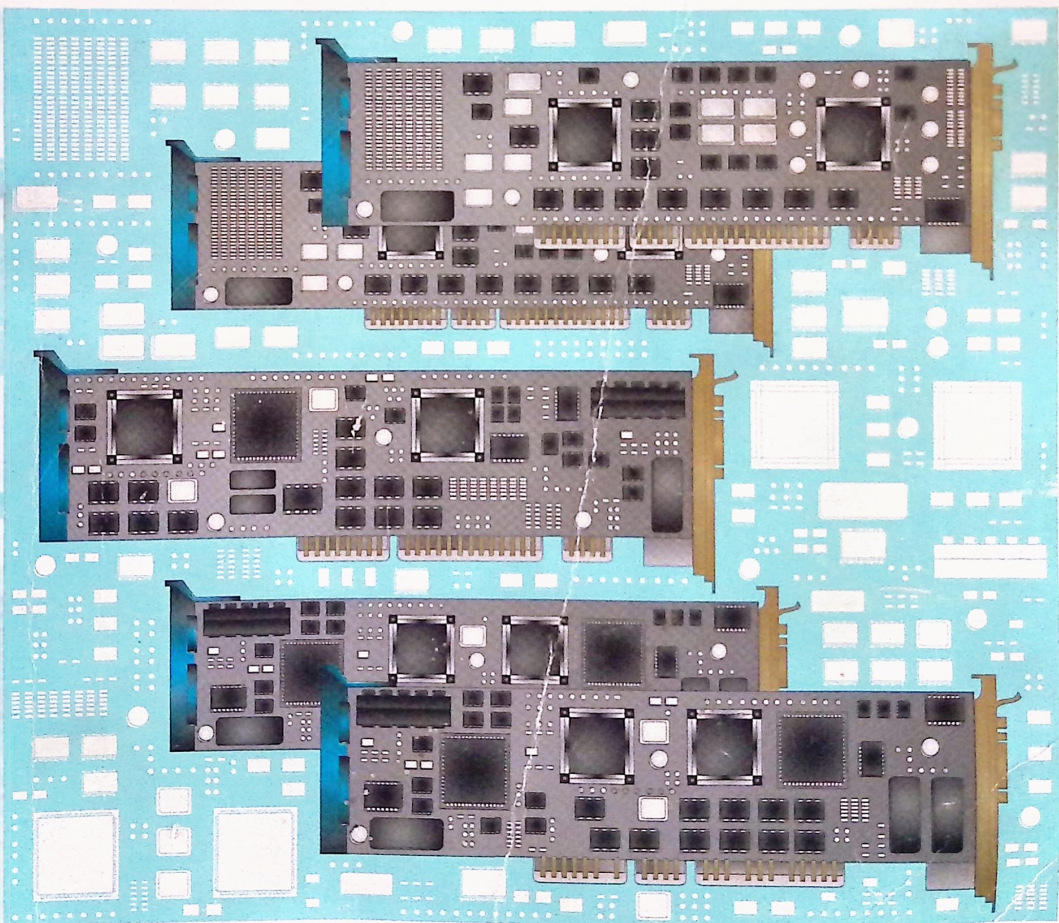
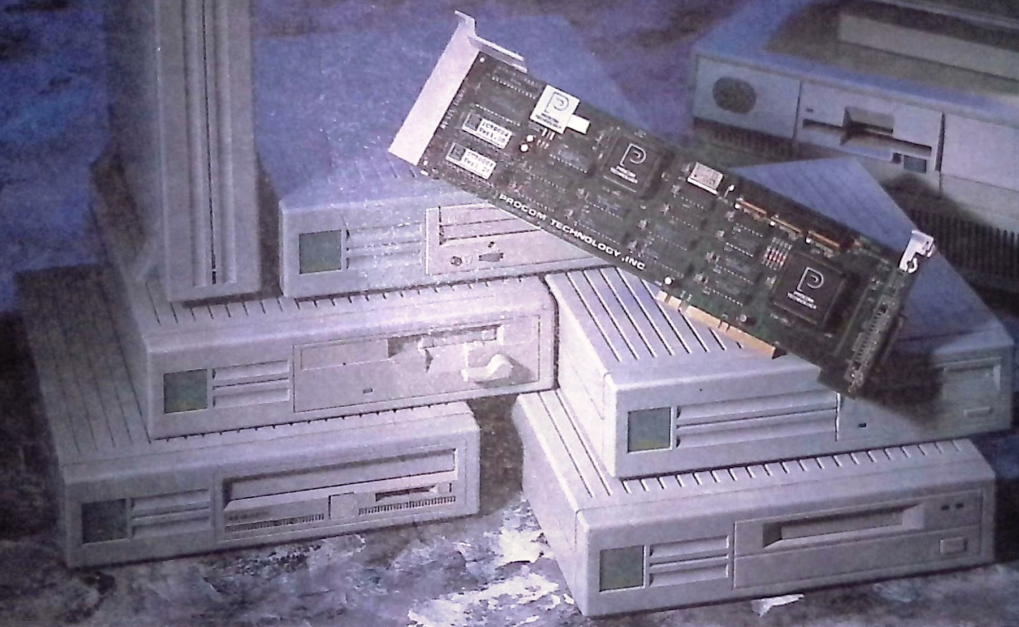


International Catalog of Micro Channel Adapter Cards

*from IBM and
Independent Option
Vendors*



YOUR PS/2® IS PROCOM COMPATIBLE



Add a Procom Technology MC Enabler SCSI Host Adapter to your IBM® Micro Channel® bus-based PS/2® computer and open the door to a whole new realm of storage options. **Expand the Capabilities of Your System**

Choose from internal or external family of fixed disk drives with capacities of up to 2 gigabytes. The Si Series of internal SCSI drives are fast and reliable, and configured for your particular PS/2 computer model. They come bundled with powerful SCSI drivers and utility software for multiple operating systems.

The MD and MTD Series of fixed externals are ideal for expanding your storage capacity beyond your system's physical limitations. And their portability help ensure no system downtime.

Our GigaTower II features two identical drives in a single enclosure — ideal for fast, transparent NetWare mirroring.

Share huge files easily with the MRD40 and MRD80 removable-media disk drives. Archive critical files on the MEOD128 3.5" optical or the MEOD650 5.25" optical. And make daily backups painless with the PMT family of streamer tape drives or MDAT2000 2GB DAT drive—both include the renowned Sytoss+ backup utility.

Get our low-cost Multimedia Station, which includes our psCD CD-ROM player, four outstanding CD-ROM titles and a pair of amplified speakers, and take advantage of today's most exciting and informative new technology.

Get the Most Out of Your Existing Equipment

Even if your PS/2 computer came with an IBM SCSI host adapter, you can use our SCSI products by installing our ISHA driver. It allows the IBM host adapter to work with most any Procom SCSI device.

For a more economical solution, look to our PIRA drives, which plug right into a Micro Channel bus slot in your Model 50, 50z and 55. Or, expand your system with one of our SIRA drives. These drives include an adapter board that allows for a second hard disk in your Model 70.

Worldwide Compatibility

Each MC Enabler includes SCSI drivers for DOS 5.0, OS/2® 1.3 and 2.0, Novell NetWare 2.2 and 3.11, SCO Unix and SCO Xenix. All external units feature self-adjusting power supplies for 90-240V operation, and can be ordered with Continental power cards. Call today for ordering information. Available through most distributors worldwide.

Procom Technology, Inc.

2181 Dupont Drive Irvine, CA 92715 USA

Tel: (800) 800-8600 or (714) 852-1000 outside the U.S.

Fax: (714) 852-1221



Disclaimer

The IBM Corporation (IBM) and Tecnicom Printing & Publishing Corporation (Tecnicom) hereby DISCLAIM ALL WARRANTIES EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

In no event will IBM and/or Tecnicom be liable to you for any damages, including any lost profits, lost savings or other incidental or consequential damages arising out of the use or inability to use any information provided through this publication even if either IBM and/or Tecnicom have been advised of the possibility of such damages, or for any claim by any other party.

This publication is based on the most recent information provided by the companies listed as the sources for the chip set and/or adapter information at the time of publication. Each company has certified that it is marketing the listed chip set and/or adapter for Micro Channel* architecture-based IBM systems.

This information is not intended to be an assertion of future action. IBM expressly reserves the right to change or withdraw current products that may or may not have the same characteristics or codes listed in this publication. Should IBM modify its products in a way that may affect the information contained in this publication, IBM assumes no obligation whatsoever to inform any user of the modification.

IBM and Tecnicom have not evaluated the listed products of other companies, and do not recommend or endorse directly product function, prerequisites, price, availability or suitability for the users' purposes.

IBM and Tecnicom are not liable for any claims or expenses resulting from unauthorized use in this publication of any names, labels, photographs, sketches, or words protected by copyright or registered trademarks, or claims or expenses arising from any misrepresentations, inaccuracies, or typographical errors in advertising copy.



International Catalog of Micro Channel Adapter Cards

*from IBM and
Independent Option
Vendors*

© Copyright 1992
International Business Machines Corporation
All rights reserved.

Ninth Edition (June 1992)

This edition, G360-2824-08, is a revision of G360-2824-07, which is now obsolete. Differences are noted in the "Summary of Changes" section of the PREFACE on pages 12-14.

Should you wish to have your expansion adapter listed in future versions of this catalog, complete the appropriate request form on page 209, and remove and return it to the address shown.

Contents

Special Notices	7
Preface	9-14
Part 1. IBM Adapters	15-41
Introduction	15-17
Listings by Category	19-41
Audio/Voice/Phone	19
Communication:	
High-Speed Connection	19
Integrated Services Digital Network (ISDN)	19
Modem	19
Multiprotocol	20
Network	20-24
SNA/SDLC/BSC	24
Terminal Emulation	24-25
X.25	25
Diskette Drive Attachment	26
Facsimile	26
Fixed Disk Attachment	26
Graphics Interface	27-31
Image Capture	31
Memory:	
16-Bit	31
32-Bit	32
Multimedia	32
Printer Attachment	33
Scanner Attachment	33
SCSI Attachment	33-34
Serial Port	34-39
Tape Drive Attachment	40
Uncategorized	40-41
Part 2. IOV Adapters	43-201
Introduction	43
Chip Sets	45-46
Adapter Listings by Category	47
Alternate General Purpose Bus Master	47
Audio/Voice/Phone	48-51
Communication:	
Integrated Services Digital Network (ISDN)	51-52
Modem	52-62
Multiprotocol	63-69
Network:	
ARCNET** LAN	70-73
Ethernet** LAN	73-82
Token Ring	82-86
Other	86-93

Terminal Emulation:	
3270	93-96
5250	97-98
RJE	99
SNA/SDLC/BSC	99-101
Other	101-103
X.25	103-106
Data Acquisition:	
Analog I/O	106
Analytic Instrumentation	107-108
Digital I/O	108-114
IEEE 488	114-116
Multifunction I/O	116-119
Development Tool	119-123
Diskette Drive Attachment	123
Facsimile	123-126
Fixed Disk Attachment	126-128
Game Port	128-129
Graphics Interface	129-144
Image Capture	144-147
Light Pen Attachment	147
Math Co-Processor	147
Memory:	
16-Bit	148-150
32-Bit	151-153
Multimedia	153-154
Multiple Bus Attachment	154
Music Interface	155
Optical Disk Attachment	155
Parallel Port	155-156
Performance	157
Printer Attachment	158-159
Scanner Attachment	159-160
SCSI Attachment	160-165
Security/Encryption	165-168
Serial Port	168-190
Serial/Parallel Port Combination	190-193
Tape Drive Attachment	193-196
Uncategorized	196-198
Late Submissions	199-201
Part 3. Developer Reference Information	203-209
Part 4. Trademark Identification of Other Companies	211-215
Part 5. Advertiser's Index	217
Part 6. Index of Developers	219-226

Special Notices

References in this publication to IBM products, programs, or services do not imply that IBM intends to make these available in all countries in which IBM operates. Any reference to an IBM product, program, or service is not intended to state or imply that only IBM's product, program or service may be used. Any functionally equivalent product, program, or service that does not infringe any of IBM's intellectual property rights or other legally protectible rights may be used instead of the IBM product, program or service. Evaluation and verification of operation in conjunction with other products, programs, or services, except those expressly designated by IBM, are the user's responsibility.

IBM may have patents or pending patent applications covering subject matter in this document. The furnishing of this document does not give you any license to these patents. You can send license inquiries, in writing, to the IBM Director of Commercial Relations, IBM Corporation, Purchase, NY 10577.

The following terms, denoted by an asterisk (*) in this publication, are trademarks of the IBM Corporation in the United States and/or other countries:

AIX	AIXwindows	AS/400
AT	Audio Visual Connection	IBM
Linkway	Micro Channel	OfficeVision
OS/2	Personal System/2	Portmaster
Presentation Manager	Proprinter	PS/2
RISC System/6000	RT	System/370
Ultimedia	XGA	XT

Terms denoted by a double asterisk (**) in this publication, are trademarks of other companies. They are presented in "Part 4. Trademark Identifications of Other Companies" on pages 211-215.

Purpose of This Catalog

This catalog presents information about expansion adapters that are being commercially marketed for IBM systems using Micro Channel* architecture by the IBM Corporation as well as by Independent Option Vendors (IOVs) around the world.

The primary purpose of Micro Channel architecture is to provide a very flexible, high-performance structure for moving instructions and data within a computer system. Micro Channel-based systems are not limited by the processor technology used to implement the system. The IBM* Personal System/2* computers, IBM RISC System/6000* family of POWERstations and POWERservers and the IBM Micro Channel* 370 Models 010, 012, 014, 110, 112 and 114 are all Micro Channel-based systems that demonstrate the power, flexibility and scope of Micro Channel architecture.

An expansion adapter is an expansion board or add-in card that plugs directly into one of the system board expansion slots of the Micro Channel bus and is marketed as a unique product. Expansion adapters for IBM Micro Channel-based systems are included in this catalog, and support for the individual system type is indicated in the information presented.

Expansion adapters participate on the Micro Channel bus as either masters or slaves.

A master is a participant that drives the address bus and data transfer control signals that cause data transfer to or from a slave. A bus master is an adapter implementation. A bus master arbitrates for use of the channel and supports data transfers with an I/O slave or a memory slave.

A slave is a participant that sends and receives data under the control of a master. There are three types of slaves: I/O slaves, memory slaves and DMA slaves.

The functional capability of one or more Micro Channel participants is incorporated into an adapter. The primary mode of operation of the adapter determines its primary participant when there is more than one participant. The adapter type is the same as its primary participant. There are four basic adapter types; an I/O slave adapter, a memory slave adapter, a DMA slave adapter, or a bus master adapter.

Statistical Information

To ensure the accuracy of the data presented, IBM requested that each IOV certify that the information included in this edition of the catalog, about his company and its adapters, is accurate. Three hundred and eighty-two vendors from twenty-two countries responded with information about 1,018 adapters for the Micro Channel bus-based IBM systems.

Organization of This Catalog

Adapter information in the catalog is presented in the following two major parts:

Part 1. IBM Adapters

This part lists information about available IBM adapters for the following IBM system families with Micro Channel* architecture:

- IBM* Personal System/2* Computers
- IBM* RISC System/6000* POWERstations and POWERservers
- IBM* Micro Channel* 370 Models 010, 012, 110, 112 and the S/370 side of the Models 014 and 114
- IBM* Micro Channel* 370 Models 014 and 114 (PS/2* Computer side of the Models 014 and 114)

Information about each adapter is presented in alphabetical order under the heading that best categorizes that adapter. Each adapter entry includes the product name, system family supported, feature code, part number (if applicable), Programmable Option Select Identifier (POS ID), bus master designation, date of availability and brief product description. The IBM Adapters - Introduction on pages 15-17 includes information on how these adapters may be ordered.

Part 2. IOV Chip Sets and Adapters

Chip sets available from IOVs for developing both slave and bus master adapters for computers with Micro Channel architecture are listed alphabetically by developer and product name in the first section. Information presented includes the developer name, address, phone number and FAX number (if submitted), product name, date of availability and product description as supplied by that developer.

Adapters available from IOVs for computers with Micro Channel architecture are presented in alphabetical order by developer and product name under the heading that best categorizes those adapters. Each entry includes information on the Micro Channel-based system supported, POS ID and bus master designation, in addition to the same information outlined under the chip set description above.

Late submissions, adapter listings received after the 3/31/92 announced deadline, are listed alphabetically by developer and product name. Category information is included as a separate line item.

For a description of how IOV information was obtained, please refer to the IOV Chip Sets and Adapters - Introduction on page 45.

The third part of this catalog entitled "Developer Reference Information" contains information to assist potential developers of expansion adapters for the Micro Channel bus in getting started. Information is provided on how to obtain the necessary specification publications, have a Programmable Option Select Identifier (POS ID) assigned, get technical assistance during the development cycle, and finally to have their expansion adapter included in the IBM publicizing programs.

Part four lists all of the trademark terms of other companies referenced by the double asterisk (**) symbol in this catalog.

Part five is an index of the advertisers who participated in this edition, with the page numbers on which their ads appear.

The last part of the catalog, part six, is an alphabetical index of all the participating IOVs whose expansion adapters are listed in this edition of the catalog with the page numbers on which such information appears.

Disclaimer for Information in This Catalog

WITH RESPECT TO THE LISTED PRODUCTS OR THE COMPLETENESS OR ACCURACY OF THE CATALOG, IBM MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. ANY AGREEMENTS OR WARRANTIES FOR IOV CHIP SETS AND ADAPTERS TAKE PLACE DIRECTLY BETWEEN THE IOV AND PROSPECTIVE USERS.

Electronic Access to Adapter Information

Bulletin Board

The adapter listings presented in this catalog are publicized on the IBM National Support Center Bulletin Board System (NSC BBS). Information in the on-line adapter databases is updated monthly.

The NSC BBS is sponsored by the IBM NDD National Support Center in Atlanta, Georgia. It is available 24 hours a day to anyone worldwide with a modem, asynchronous communications software and a switched telephone line on a toll-call basis with no access charge. (The modem should be set for 8 data bits, 1 stop bit, no parity, and standard transmission speed from 1200 to 9600 baud.)

To access the NSC BBS call 1-404-835-6600. IBM sites may dial TieLine 269-6600.

From the main command menu, type "DA" to access the database selection prompts. Adapters for Micro Channel architecture are presented in two database listings; those from the IBM Corporation are in Database 1, and adapters from IOVs are in Database 2. Within each listing the adapters are presented in alphabetic order by developer and product name under the same category structure used in this catalog.

MKTTOOLS

Adapter information is now also available internally on line to every IBM OfficeVision*/Virtual Machine (OV/VVM) software user worldwide through 2 packages on the MKTTOOLS disk. Expansion adapters are listed under the same category headings as are used in this hard copy publication. ADPTRIBM PACKAGE contains adapters available from IBM, and ADPTRIOV PACKAGE contains adapters available from IOVs.

Procedures for obtaining packages from MKTTOOLS vary depending on your OV/VM system. On many OV/VM systems the following commands automatically route the MKTTOOLS request to the nearest shadow copy of MKTTOOLS:

TOOLCAT MKTTOOLS

or

TOOLCAT MKTTOOLS GET packagename PACKAGE.

If these commands do not work on your system, please contact your internal IBM Help Desk or internal IBM End User Support Group to find out the procedure for obtaining MKTTOOLS files from your system.

Information in both these packages is updated monthly.

Style and Symbols Used in This Catalog

A standard format, consistent with the presentation style utilized in the electronic databases on the NSC BBS, and on MKTTOOLS, is used in this ninth edition of the catalog.

For ease of reference, developer information in the catalog is presented only once per page within any category. Adapter information, listed alphabetically by developer, is indented and appears with hyphenated separators between data describing each adapter from the same developer. Solid separating lines appear between different developers within a given category.

Adapter information with an availability date prior to 6/92 is printed in regular type to indicate that it is actually being marketed at the time of publication. Adapters showing an availability date of 6/92 or later have the adapter information printed in *light italic* type to indicate that they are not expected to be available until after June 1992.

Summary of Changes in This Edition

Title

The wording of the title of the 9th edition is new. This language has been chosen to better reflect the contents of the catalog in a more easily and commonly recognizable form. This title will be used for all future editions of the catalog.

Page Numbering

For easier reference, Arabic symbols rather than lower case Roman numerals are being used for page numbering throughout the catalog beginning with the "Disclaimer" page, page 1.

Contents

The table of contents is the primary locator for finding the page numbers on which adapters in a specific category appear. The interspersed sectional locator pages used in former editions have been deleted as confusing and redundant.

Publisher

The Tecnicom Printing & Publishing Corporation undertook the publishing of this 9th edition on behalf of the IBM Corporation. Since Tecnicom produced the prior eight editions for IBM, they are extremely knowledgeable about the contents of the catalog as it has matured from the slim, half-sized publication they printed for IBM in the Spring of 1988.

Because of Tecnicom's in-house advertising, graphic design, typesetting, layout, printing and binding capabilities, Tecnicom was able to offer participants expanded services — inclusion of advertising copy. As publishers they also are able to expand the distribution and promotion of the catalog.

Advertising Copy

All participants in the FREE listing in this edition of the catalog have been offered an opportunity by Tecnicom Printing & Publishing Corporation to place a fee-based advertisement of their chip sets and/or adapters and peripheral devices that attach to them for Micro Channel* architecture-based IBM systems. Several different copy sizes and prices were offered.

Distribution & Promotion

This edition is being distributed to all IBM U.S. Authorized Dealers, registered consultants, the primary editor of every major U.S. and Canadian computer magazine, and the library of every major U.S. college and university. The catalog is also being promoted at major U.S. business shows, on IBM internal and external worldwide bulletin boards, and in IBM internal and external publications.

Availability

Copies of this 9th edition are available through any IBM Branch Office by specifying IBM Form #G360-2824-08.

Copies may also be obtained directly from Tecnicom Printing & Publishing Corporation by calling The Catalog Department at 1-800-362-6134 and specifying ISBN number 0-9632894-0-3 or completing, detaching and mailing the order form in the back of the catalog.

Information Presentation

IBM adapters are no longer broken into four separate chapters based on the family of system supported. Rather they are listed alphabetically by product name under the category heading that best describes their function. Indication of the system supported for each adapter is included as a line item within the listing for each adapter.

Likewise, adapter listings are no longer broken into separate sections for slave adapters and bus master adapters but are presented together under the appropriate category heading with bus master designation included as a separate line item within each listing.

These changes are in response to requests to simplify the number of areas for lookup and to present the hard copy information in the same format as in the available on-line references.

Publication of POS IDS

The adapter information in this edition has been expanded to include the Programmable Option Select Identifier (POS ID) for each adapter. Each adapter should have a unique POS ID which can be used in the following ways:

- by software to identify a failing adapter.

The progression of isolating a failure to a slot number is via a table look-up of the slot numbers to identify the POS ID of the installed adapter. This POS ID can then be used to determine the name of the adapter and identify the appropriate vendor.

- for asset and configuration management.

Utilities can be periodically invoked by an enterprise to “walk the bus” on each system and gather the POS ID data from the installed adapters. The data collected can then be compared to existing stored configuration information to ensure that all assets can be located or to determine whether a configuration change has taken place.

These uses are in addition to the primary use of the POS ID — to identify the adapter description files, adapter diagnostic files, and other files containing information unique to each adapter.

If a POS ID is duplicated, for example, two companies produce an adapter with the same POS ID, or a company re-uses a POS ID, then use of the POS ID for the above functions is not possible. Therefore, **THE POS ID OF AN ADAPTER SHOULD ALWAYS BE UNIQUE.**

For additional information about POS IDs and how to obtain one, please refer to the information on pages 204-205 of “Part 3. Developer Reference Information”.

Part 1. IBM Adapters - Introduction

An adapter for an IBM* Micro Channel* architecture system may include hardware, microcode, software and documentation specific to that system family. While the physical hardware of an individual adapter may be common across two or more product families, differences in supporting microcode and software may prevent its use in an alternate family product. This is due to differences in system structure, function, partitioning, operating systems, configuration, initialization procedures, and processor architecture.

Feature codes for the IBM Micro Channel adapters, and in some cases adapter names, are different depending on the IBM Micro Channel system supported. Therefore, the listing of each IBM expansion adapter includes a specific line item indicating the system family it supports:

- IBM* Personal System/2* Computers
- IBM* RISC System/6000* POWERstations and POWERservers
- IBM* Micro Channel* 370 Models 010, 012, 110, 112 and the S/370 side of the Models 014 and 114
- IBM* Micro Channel* 370 Models 014 and 114 (PS/2* Computer side of the Models 014 and 114)

IBM Personal System/2 Computers

The IBM Personal System/2 computers were the first systems to utilize Micro Channel architecture. They were announced in April of 1987 along with the announcement of Micro Channel architecture.

Based on 1991 worldwide volumes, Micro Channel bus-based systems accounted for just over 63% of the total PS/2 computer volumes. Marketplace acceptance is evidenced by the growing number and variety of expansion adapter cards from IBM and Independent Option Vendors (IOVs) around the world that are currently available and in use today for the PS/2 computers with the Micro Channel bus.

IBM RISC System/6000 POWERstations and POWERservers

The IBM RISC System/6000 POWERstations and POWERservers, announced in February 1990, use an advanced second generation RISC processor developed by IBM. All models use the same Performance Optimization With Enhanced RISC (POWER) architecture.

With the high performance characteristics of the RISC System/6000 processors, it is important to provide effective I/O support and enhanced reliability. Therefore, the RISC System/6000 processors implement the performance and fault detection/isolation capabilities of the Micro Channel architecture. These include the Streaming Data Procedure which permits a doubling of the basic data transfer rate from 20 megabytes per second to up to 40 megabytes per second; data and address parity which provides for verification of correct data and address as they are transferred over the Micro Channel bus; and synchronous channel check which provides an exception signal during the same bus cycle in which an exception occurred to simplify error recovery in multitasking environments.

The RISC System/6000* family of POWERstations and POWERservers has been designed to accommodate the current PS/2* computer Type 3 card form factor (card size 3.475" x 11.5") and a larger Type 5 card form factor (card size 4.825" x 13.1"). Either size card can fit in most RISC System/6000 POWERstations and POWERservers. Limitations, if any, are documented in the appropriate Technical Reference Manual for each system.

A number of new high performance Micro Channel* architecture-based adapters have been developed for the RISC System/6000 family. In addition, the RISC System/6000 POWERstations and POWERservers support some of the IBM PS/2 computer adapters to provide an extended set of product features.

IBM Micro Channel 370 Models 010, 012, 110, 112 and the S/370 side of the Models 014 and 114

The Models 010, 012 and 014, announced in February 1990, and the Micro Channel 370 Models 110, 112 and 114, announced in September, 1990, are compact, Micro Channel bus-based entry S/370 systems. They are flexible, low-priced multi-user S/370s that can be used for distributed, stand-alone, and communication applications. Extensive remote operation and management facilities support distributed installation.

Connectivity options, including Ethernet** LAN, IBM Token-Ring Network, SNA communications up to 64K bps, programmable communications via ARTIC 8-port adapters, and PS/2 computer BiProcessing functions, make the Micro Channel 370 a highly flexible system. A range of terminals and printers may be attached as well as selected S/370 channel-attached devices.

The models utilize the IBM Micro Channel architecture in several different ways. On all six models, selected Micro Channel bus hardware adapters for the IBM PS/2 computers are supported with microcode which allows the adapters and attached devices to operate like S/370 channel-attached devices on a S/370 channel. In addition, several Micro Channel bus adapters were developed specifically for the Micro Channel 370 Models.

IBM Micro Channel 370 Models 014 and 114 (PS/2* Computer side of the Models 014 and 114)

The IBM Micro Channel 370 Models 014 and 114 have a PS/2 computer processor (Intel386** microprocessor) with its own system board, optional adapters and optional DASD under the same set of covers as the S/370 processor. The PS/2 computer processor can be ordered with selected IBM PS/2 computer Micro Channel adapters. These adapters are covered by IBM warranty and IBM maintenance contracts on the Models 014 and 114.

Other PS/2 computer Micro Channel adapters may also work on the PS/2 computer side of the Models 014 and 114. Requests to have other adapters installed by IBM and/or covered by a maintenance contract may be submitted to the local IBM NSD Branch as a special bid.

Up to four internal 320MB DASD are supported on the PS/2* computer side of the Model 014. The Model 114 supports up to six internal DASD for its PS/2 computer side.

Appropriate device driver support is provided for both the S/370 and the PS/2 computer versions of an adapter and may be obtained by specifying the appropriate feature code when ordering.

Additional Information

To obtain additional information about any of these IBM system families or their pertinent expansion adapters:

- For the IBM PS/2 computers, information may be obtained from IBM Authorized Advanced Product Dealers and IBM Marketing Representatives. Call IBM DIRECT toll free at 1-800-426-2468 for your closest IBM Dealer, or check the telephone directory for the IBM branch office nearest you. For the hearing impaired, Voice/TDD service is available. Call 1-800-426-2133 for assistance.
- For the IBM RISC System/6000* POWERstations and POWERservers, information is available from IBM Marketing Representatives.
- For IBM Micro Channel* 370 Models, information is available through IBM Marketing Representatives and IBM Authorized Industry Remarketers — Mid-Range Products.

Installation and maintenance of these adapters are covered under 9371 system contracts. Because the PS/2 computer side of the Models 014 and 114 are Micro Channel bus-based, other Micro Channel bus adapters may also work.

To have other Micro Channel bus adapters installed and maintained by IBM, a special bid may be submitted to your local IBM CSO branch office.

The availability and description of IBM products is subject to change without notice.

Part 1. IBM Adapters — Listings by Category

Audio/Voice/Phone

ADAPTER NAME: M-Audio Capture and Playback Adapter/A
SUPPORTS: PS/2* Computers with Micro Channel* Bus
FEATURE CODE: 3909
PART NUMBER: 92F3379
POS ID: 6E6C
BUS MASTER: NO
AVAILABLE: 10/91
DESCRIPTION: Provides capability to capture, digitize and playback high quality audio on standard PS/2* computers with Micro Channel* architecture. The adapter is easy to use and works with standard audio input devices including microphones, compact disk players and cassette players. Also supports a variety of audio output devices for playback including headphones, speakers and amplifiers. Performs a range of digital audio processing tasks and other functions, such as digital image compression and decompression. Audio application program interfaces (APIs) and audio device drivers are provided and include support for Microsoft™ Multimedia Windows™ Extensions. The high and low-level programming interfaces simplify authoring by developers producing multimedia applications that take advantage of the capability of this adapter.

Communication: High-Speed Connection

ADAPTER NAME: IBM* RISC System/6000* Block Multiplexer Channel Adapter
SUPPORTS: RISC System/6000* POWERstations and POWERservers
FEATURE CODE: 2755, 7, 8
POS ID: FE92
BUS MASTER: NO
AVAILABLE: 3/92
DESCRIPTION: Attaches a RISC System/6000* POWERstation or POWERserver to an ES/9000 or 3090 system unit. Attachment is via the OEMI (parallel) channel, with speeds up to 4.5 megabytes per second. The OEMI distance limit of 400 feet may be increased to 3 Kilometers by using the 3044 M2 channel extender or the 9034 Escon channel converter. TCP/IP is supported, using VM/TCP. A RISC System/6000 device driver interface is provided to support user-written channel programs.

Communication: Integrated Services Digital Network (ISDN)

ADAPTER NAME: IBM* ISDN Interface Co-Processor/2 Model 2
SUPPORTS: PS/2* Computers with Micro Channel* Bus
FEATURE CODE: 7228
PART NUMBER: 44F7228
POS ID: EFB0
BUS MASTER: NO
AVAILABLE: 6/91
DESCRIPTION: Expansion adapter that provides attachment to the Integrated Services Digital Network Basic Rate Interface (ISDN BRI) and, when operating with supporting IBM software, enables full duplex data transmission concurrently and independently on-demand over each of the two 64,000 bits per second information channels. Enables a PS/2* Model 50 or above computer ISDN connectivity not only to other similarly equipped PS/2 computers, but also to a wide range of IBM systems using either the IBM 7820 ISDN Terminal Adapter or the IBM 3174 ISDN Basic Rate Interface Adapter. The adapter comes with Network/Switch Support Code to enable attachment to the different Telephone Company's ISDN networks.

Communication: Modem

ADAPTER NAME: IBM* Asynchronous/SDLC V.32 Modem/A
SUPPORTS: PS/2* Computers with Micro Channel* Bus
FEATURE CODE: 0960
PART NUMBER: 93F0973
POS ID: DDCC
BUS MASTER: NO
AVAILABLE: 3/92
DESCRIPTION: A V.32 modem that incorporates the Multi-Protocol Adapter (MPA) asynchronous and Synchronous Data Link Control (SDLC) functions, and is provided on a full-size adapter card for the PS/2* computers with Micro Channel* architecture. It is intended for use in an IBM* 4684 Point-of-Sale (POS) Terminal and an IBM PS/2 computer, thereby providing an internal modem solution for those products. Major features include: maximum telephone line speed of 12,000 bps; maximum data throughput of 19,200 bps; 16550 asynchronous interface to Micro Channel bus; can attach to switched network, or 2 or 4 wire leased lines; for details, obtain publication GA27-3924 (technical reference).

ADAPTER NAME: IBM* Personal System/2* 300/1200/2400 Internal Modem/A
SUPPORTS: PS/2* Computers with Micro Channel* Bus
FEATURE CODE: 1755
PART NUMBER: 94X1755
POS ID: E016
BUS MASTER: NO
AVAILABLE: 5/89
DESCRIPTION: Offers high-function, internal modem support for PS/2* Model 50, 55 SX, 57 SX, 60, 65 SX, P70, 70, 80, 90 and 95 computers. It is compatible with Hayes™ modems, although some unique functions are not supported, and it provides standards compatibility via CCITT V.22 bis, Bell™ 212A, and Bell 103 full duplex operation. Most functions are also compatible with the IBM* 5853 External Modem. Functions include automatic dial and answer and the ability to direct-connect into U.S. and Canadian public or private switched network telephone lines.

Part 1. IBM Adapters — Listings by Category

Communication: Multiprotocol

ADAPTER NAME: IBM* Personal System/2* Multi-Protocol Adapter/A
SUPPORTS: PS/2* Computers with Micro Channel* Bus
FEATURE CODE: 3043
PART NUMBER: 6451114
POS ID: DEFF
BUS MASTER: NO
AVAILABLE: 1/88
DESCRIPTION: Provides a full- or half-duplex multi-protocol serial data transmission channel. Supports asynchronous, bisynchronous, HDLC, or SDLC protocols and conforms to CCITT V.25 bis communication standard. Will support modems or direct attachment at speeds of up to 19,200 bps and supports automatic protocol switching via software at setup. Supports all PS/2* Model 50, 55 SX, 60, 70 P70 and 80 computers.

ADAPTER NAME: IBM* RISC System/6000* 4-Port Multiprotocol Communications Controller
SUPPORTS: RISC System/6000* POWERstations and POWERservers
FEATURE CODE: 2700
POS ID: 8F70
BUS MASTER: YES
AVAILABLE: 6/90
DESCRIPTION: Attaches a RISC System/6000* system unit to synchronous communications networks using EIA-422A, V.35, X.21 and EIA-232D physical specifications. The controller supports SDLC and BSC protocols, prepares all inbound and outbound data, performs address searches and in general relieves the system processor of many communications tasks. It is designed to support 4 ports concurrently at data rates up to 64K bps per port with appropriate user provided software. This adapter is supplied with 512KB of RAM for data buffering. The Micro Channel* bus interface is a 16-bit data and 32-bit address bus master.

Communication: Network

ADAPTER NAME: IBM* PC Network Adapter II/A-Frequency 2
SUPPORTS: PS/2* Computers with Micro Channel* Bus
FEATURE CODE: 5647
PART NUMBER: 96X5647
POS ID: EFEF
BUS MASTER: NO
AVAILABLE: 2/88
DESCRIPTION: Provides additional RF channels for connecting to the broadband IBM* PC Network. The broadband channels used by the Frequency 2 adapter are 2' and O.

ADAPTER NAME: IBM* PC Network Adapter II/A-Frequency 3
SUPPORTS: PS/2* Computers with Micro Channel* Bus
FEATURE CODE: 5648
PART NUMBER: 96X5648
POS ID: EFEF
BUS MASTER: NO
AVAILABLE: 2/88
DESCRIPTION: Provides additional RF channels for connecting to the broadband IBM* PC Network. The broadband channels used by the Frequency 3 adapter are 3' and P.

ADAPTER NAME: IBM* PC Network Baseband Adapter/A
SUPPORTS: PS/2* Computers with Micro Channel* Bus
FEATURE CODE: 1223
PART NUMBER: 1501223
POS ID: EFEF
BUS MASTER: NO
AVAILABLE: 4/87
DESCRIPTION: The card includes a modular baseband modem for connecting to the baseband IBM* PC Network. The adapter features a 2 megabit/second transmission speed with a CSMA/CD access protocol and supports the IEEE 802.2 protocols via the IBM Local Area Network Support Program.

ADAPTER NAME: IBM* PC Network Broadband Adapter II/A
SUPPORTS: PS/2* Computers with Micro Channel* Bus
FEATURE CODE: 1222
PART NUMBER: 1501222
POS ID: EFEF
BUS MASTER: NO
AVAILABLE: 4/87
DESCRIPTION: The adapter includes a modular broadband modem for connecting to the broadband IBM* PC Network. The adapter features a 2 megabit/second transmission speed with a CSMA/CD access protocol and supports the IEEE 802.2 protocols via the IBM Local Area Network Support Program. The broadband channels used by this adapter are T14 and J.

Part 1. IBM Adapters — Listings by Category

Communication: Network (Continued)

ADAPTER NAME: IBM® Personal System/2® Adapter/A for Ethernet™ Networks
SUPPORTS: PS/2® Computers with Micro Channel® Bus
FEATURE CODE: 1091
PART NUMBER: 6451091
POS ID: EFE5
BUS MASTER: NO
AVAILABLE: 11/90

DESCRIPTION: This LAN adapter provides the ability to attach PS/2® computers with the Micro Channel® bus, to Ethernet™ networks. Supports Ethernet Version 2 and IEEE 802.3 (CSMA/CD) interfaces, and data transfers at 10Mbps via 10Base5 (thick cable), 10Base2 (thin cable). Also supported is fiber optic and 10BaseT (twisted pair) wiring schemes via the Attachment Unit Interface (AUI) connection and a user provided external transceiver. Remote Program Load (RPL) is included standard for systems requiring this capability. Banyan VINES™ and Novell™ NetWare™ operating systems support this capability. IBM intends to enhance the OS/2® LAN Server to support RPL. The feature will automatically issue a request to a loading server device any time the workstation is reset, has no disk available, or the disk program boot is disabled. OS/2 EE and IBM® DOS computer software as well as PS/2 computer related programming are supported.

ADAPTER NAME: IBM® RISC System/6000® Ethernet™ High-Performance LAN Adapter
SUPPORTS: RISC System/6000® POWERstations and POWERservers
FEATURE CODE: 2980
POS ID: BEF5
BUS MASTER: YES
AVAILABLE: 6/90

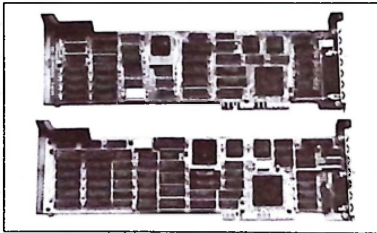
DESCRIPTION: This is a high performance bus master adapter which attaches the RISC System/6000® system unit to Ethernet™ networks. It is designed to provide connection to a 10 Megabit Carrier Sense Multiple Access/Collision Detection Ethernet network and is compatible with IEEE 802.3 and Ethernet external interfaces. The Micro Channel® bus interface is a 32-bit bus master which supports data and address parity.

Intelligent Communications Controllers

for IBM® PCs, PS/2® computers and compatibles

Eicon Technology hardware provides the platform for LAN-to-LAN connectivity for SNA and OSI environments.

Our cards support DOS, OS/2®, UNIX and Windows operating systems and are compatible with NetWare, LAN Manager, Banyan VINES or any NetBIOS-compatible LAN.



Eicon Technology hardware also functions as a platform for a wide range of SNA and OSI protocols, allowing you to create sophisticated applications with one integrated communications platform.

Built around Motorola's 68000 family of microprocessors.

1 Megabyte of on-board RAM memory.

Single HSI (High Speed Interface) port featuring V.24, V.35 and X.21 interfaces.

Supports line speeds of up to 384 Kbps.

Fully Integrated Communications.

Corporate

Headquarters

Tel. (514) 631-2592

Fax (514) 631-3092

U.S.A.

Tel. (214) 239-3270

Fax (214) 239-3304

Europe

Tel. 44 (81) 941-7122

Fax 44 (81) 941-0548

EICON
TECHNOLOGY

Connecting People to Information.™

All brand names and product names are trademarks or registered trademarks of their respective holders. IBM, PS/2 and OS/2 are registered trademarks of the IBM Corporation.

Part 1. IBM Adapters — Listings by Category

Communication: Network (Continued)

ADAPTER NAME: IBM* RISC System/6000* Fiber Distributed Data Dual Ring Upgrade Kit
SUPPORTS: RISC System/6000* POWERstations and POWERservers
FEATURE CODE: 2722
POS ID: DEF4
BUS MASTER: YES
AVAILABLE: 3/92
DESCRIPTION: Used in conjunction with the RISC System/6000* Fiber Distributed Data Single Ring Adapter, this feature changes a single-attach station to a dual-attach station. This option provides attachment to both the primary and secondary ring for high network availability and problem isolation. The dual ring upgrade can also attach to concentrator ports as a single-attached station or a dual-homing station. A dual-homing station attaches to two different concentrators with the second concentrator acting as a backup or a standby for the station in the event of a concentrator or port failure. The FDDI LAN provides the benefit of reduced sensitivity to electromagnetic interference, and the lack of electromagnetic radiance, which helps prevent eavesdropping. The Micro Channel* bus interface provides power for the card. All other control is provided through the Single Ring Adapter, Feature Code 2720.

ADAPTER NAME: IBM* RISC System/6000* Fiber Distributed Data Single Ring Adapter
SUPPORTS: RISC System/6000* POWERstations and POWERservers
FEATURE CODE: 2720
POS ID: 83F4
BUS MASTER: YES
AVAILABLE: 3/92
DESCRIPTION: The Fiber Distributed Data Interface (FDDI) is a high-speed optical network that provides high bandwidth (100Mbps), high availability, general purpose interconnection between computers and peripheral equipment. This feature allows customers to attach the workstation to a primary ring of the network via a FDDI wiring concentrator isolating the network from routine on/off activity and individual workstation failures. The feature is compatible with the ANSI X3TD Standard and ISO 9314. The Micro Channel* bus interface is a 32-bit bus master which supports data and address parity and 64-bit data streaming.

ADAPTER NAME: IBM* RISC System/6000* Token-Ring High-Performance Network Adapter
SUPPORTS: RISC SYSTEM/6000* POWERstations and POWERservers
FEATURE CODE: 2970
POS ID: 8FC8
BUS MASTER: YES
AVAILABLE: 6/90
DESCRIPTION: This adapter is designed to allow an IBM* RISC System/6000* system unit to attach to 4M bps or 16M bps Token-Ring local area networks. It is cable and network compatible with all IBM Token-Ring adapters and those for PS/2* computers. No new cables or network components are required. The Micro Channel* bus interface is a 2-byte bus master which supports streaming data mode and address and data parity.

ADAPTER NAME: IBM* S/370 Parallel Channel Adapter
SUPPORTS: PS/2* Computers with Micro Channel* Bus
FEATURE CODE: RPQ 8P1456
PART NUMBER: 12G7880
POS ID: FE92
BUS MASTER: NO
AVAILABLE: 12/91
DESCRIPTION: The Parallel Channel Adapter and its associated microcode provide connection of a Micro Channel* bus to a S/370 channel, allowing data transfers between two systems at up to 4.5MB per second. Appropriate software and microcode must be running in the S/370 and the Micro Channel bus-based system. Currently this adapter is available as a "P Listed" RPQ for PS/2* 32-bit computers — Models 70, 80, 90 and 95.

ADAPTER NAME: IBM* Token-Ring Adapter
SUPPORTS: Micro Channel* 370—010, 012, 110, 112 & 370 side of 014 & 114
FEATURE CODE: 6034
POS ID: E001
BUS MASTER: NO
AVAILABLE: 3/90
DESCRIPTION: Provides access to a high-speed 4 or 16 Mbps IBM* Token-Ring network compatible with the IEEE 802.5 standard for interconnecting information processing equipment. Ring Error Monitor support will be provided for Model 010, 012, 110, and 112. Maximum: one per Model 010 and 110, 2 per Model 012 and 112, one per Model 014 and 114. Field installation. Only one adapter can be installed per System Board. May have an impact on quantity of attached devices. The Token-Ring allows the software to configure a maximum number of 64 logical connections between the Micro Channel* 370 and other ring stations. Since the overall throughput capability is shared between the logical connections the number of links doing actual data transfer simultaneously is limited by the required data rate per individual link.

Part 1. IBM Adapters — Listings by Category

Communication: Network (Continued)

ADAPTER NAME: IBM* Token-Ring Network 16/4 Adapter/A — [0149]
SUPPORTS: PS/2* Computers with Micro Channel* Bus
FEATURE CODE: 0149
PART NUMBER: 74F9410
POS ID: E001
BUS MASTER: NO
AVAILABLE: 11/91
DESCRIPTION: Provides attachment of PS/2* computers with the Micro Channel* bus to the IBM* Token-Ring Network. This adapter offers improved performance, increased function and a new size for use in either a short or full-sized slot in a PS/2 computer. Remote Program Load is standard with the adapter.

ADAPTER NAME: IBM* Token-Ring Network 16/4 Adapter/A — [6044]
SUPPORTS: Micro Channel* 370—014 & 114
FEATURE CODE: 6044
POS ID: E001
BUS MASTER: NO
AVAILABLE: 3/90
DESCRIPTION: Provides for attachment to IBM* Token-Ring Networks operating at either 4 or 16 Mbps. Maximum: one. Field installation.

ADAPTER NAME: IBM Token-Ring Network 16/4 Busmaster Server Adapter/A
SUPPORTS: PS/2* Computers with Micro Channel* Bus
FEATURE CODE: 4041
PART NUMBER: 74F4140
POS ID: 8FC8
BUS MASTER: YES
AVAILABLE: 12/90
DESCRIPTION: Used to attach a PS/2* computer with the Micro Channel* bus, configured as a server, to an IBM* Token-Ring Network operating at either 16 million or 4 million bits per second. Provides high throughput capability while requiring less host-processor involvement than previous IBM Token-Ring adapters. This reduction in host-processor involvement is enabled through the bus master capability of the adapter which allows adapter-to-system-memory transfer of data independent of the host-processor. The server's processor is available for other tasks.

ADAPTER NAME: IBM* Token-Ring Network Adapter/A
SUPPORTS: PS/2* Computers with Micro Channel* Bus
FEATURE CODE: 4790
PART NUMBER: 69X8138
POS ID: E000
BUS MASTER: NO
AVAILABLE: 4/87
DESCRIPTION: Provides attachment of PS/2* computers with the Micro Channel* bus to the IBM* Token-Ring Network. The adapter transmits and receives at a speed of 4 million bits per second (Mbps) using protocols conforming to IEEE 802.5 and ECMA 89 standards.

ADAPTER NAME: IEEE 802.3 Local Area Network Adapter
SUPPORTS: Micro Channel* 370—010, 012, 110, 112 & 370 side of 014 & 114
FEATURE CODE: 6035
POS ID: EFF5
BUS MASTER: NO
AVAILABLE: 3/90
DESCRIPTION: Compatible with IEEE 802.3 standard or the Ethernet™ local area network. The adapter provides communication with the IBM* Micro Channel* 370 systems, other vendors' systems, and work stations compatible with IEEE 802.3 local area networks. It supports a network with a transmission speed of 10 Mbps using Carrier Sense Multiple Access with Collision Detection (CSMA/CD). Maximum: 1 per Model 010 and 110, 2 per Model 012 and 112, 1 per Model 014 and 114. Field installation. Only one adapter can be installed per System Board. May have an impact on quantity of attached devices.

ADAPTER NAME: IEEE 802.3 Local Area Network Adapter Feature
SUPPORTS: Micro Channel* 370—014 & 114
FEATURE CODE: 6045
POS ID: EFF5
BUS MASTER: NO
AVAILABLE: 3/90
DESCRIPTION: This is the Ungermann-Bass NIC Adapter 1542 for use with Ethernet™ local area networks. This feature provides a connection to a 10M Carrier Sense Multiple Access/Collision Detection (CSMA/CD) Ethernet network. The adapter attaches to the network via IEEE 802.3 AUJ cable that is connected to a CSMA/CD transceiver. The cable and transceiver are not included with the adapter. Maximum: one. Field installation.

Part 1. IBM Adapters — Listings by Category

Communication: Network (Continued)

ADAPTER NAME: Token-Ring Network 16/4 Trace and Performance Adapter/A
SUPPORTS: PS/2* Computers with Micro Channel* Bus
FEATURE CODE: 5130
PART NUMBER: 74F5130
POS ID: E001
BUS MASTER: NO
AVAILABLE: 6/90
DESCRIPTION: This multi-function feature card for the PS/2* computers with the Micro Channel* bus works with the Token-Ring Network 16/4 Trace and Performance Program to provide a real time view of the traffic on Token-Ring networks operating at 4 million bits per second (Mbps) or 16 Mbps. This combination of hardware and software has facilities to analyze trace data, measure media usage and collect ring station traffic statistics. Using this data the customer can get valuable information for use in debugging application software, capacity planning and network reconfiguration. When this adapter is not being used for 16/4 TRN Trace and Performance activities, it can be used to transmit and receive at 4 Mbps or 16 Mbps; thus not requiring the total dedication of the PS/2 computer to perform network management functions.

Communication: SNA/SDLC/BSC

ADAPTER NAME: High Performance SDLC Adapter
SUPPORTS: Micro Channel* 370—010, 012, 110, 112 & 370 side of 014 & 114
FEATURE CODE: 6027
POS ID: EFF0
BUS MASTER: NO
AVAILABLE: 3/90
DESCRIPTION: Provides one interface port for the attachment of modems or direct connection to SDLC/SNA device such as the 3174 Controller at speeds up to 64,000 bps. Physical interfaces supported by this adapter are RS-232-C/V.24, V.35, and X.21 leased and circuit switched lines. Maximum: 3 per Model 010 and 110, 8 per Model 012 and 112, 3 per Model 014 and 114. Field installation. No more than five adapters can be installed on System Board B on the Model 12. The maximum line speed per adapter is 64,000 bps.
SEE: 8-port adapters under "Serial Port" for additional SNA/SDLC/BSC adapters.

ADAPTER NAME: IBM* Personal System/2* Dual Async Adapter/A
SUPPORTS: PS/2* Computers with Micro Channel* Bus
FEATURE CODE: 1014
PART NUMBER: 6451013
POS ID: EEF1
BUS MASTER: NO
AVAILABLE: 12/88
DESCRIPTION: Provides asynchronous communications on two independent RS-232C ports. The feature is programmable and supports communications speeds from 50 to 19,200 bps. This adapter supports signal transmission across 50 feet of cable.

Communication: Terminal Emulation

ADAPTER NAME: 3270 Adapter
SUPPORTS: Micro Channel* 370—010, 012, 110, 112 & 370 side of 014 & 114
FEATURE CODE: 6120
POS ID: 8EF1
BUS MASTER: NO
AVAILABLE: 6/90
DESCRIPTION: Provides three coax ports for the attachment of 3270 terminals and printers and the IBM* 3299 Multiplexor. Using IBM 3299 multiplexors expands the number of attachments to 24. SNA and non-SNA capability is provided. Maximum: one per Model 010 and 110, two per Model 012 and 112, one per Model 014 and 114. Field installation. Only one adapter can be installed per System Board.
SEE: 8-port adapters under "Serial Port" for 3270 emulation with 3191 displays.

ADAPTER NAME: IBM* 3270 Connection — [2000]
SUPPORTS: PS/2* Computers with Micro Channel* Bus
FEATURE CODE: 2000
PART NUMBER: 74F3465
POS ID: E1FF
BUS MASTER: NO
AVAILABLE: 5/87
DESCRIPTION: Provides 3270 coaxial cable attachment to the IBM* 3174, 3274 and 3276 Control Units, 4321, 4331 or 4361 Processor Display/Printer Adapter, 4361 Workstation Adapter, and 9370 Workstation Subsystem Controller.

Part 1. IBM Adapters — Listings by Category

Communication: Terminal Emulation (Continued)

ADAPTER NAME: IBM* 3270 Connection — [2990]
SUPPORTS: RISC System/6000* POWERstations and POWERservers
FEATURE CODE: 2990
POS ID: E1FF
BUS MASTER: NO
AVAILABLE: 6/90
DESCRIPTION: Provides the support to attach a RISC System/6000* system unit to a mainframe and allows the system unit to respond like an IBM* 3278 or 3279 Display Terminal. This adapter supports coaxial cable attachment between the RISC System/6000 system unit and any of the following: IBM 3174 and 3274 Display Control Units, IBM 4331 and 4361 Integrated Display/Printer Adapter, IBM 4331 and 4361 Integrated Work/Station Adapter, and IBM 9370 Workstation Subsystem Controller.

ADAPTER NAME: IBM* System 36/38 Workstation Emulation Adapter/A
SUPPORTS: PS/2* Computers with Micro Channel* Bus
FEATURE CODE: 6279
PART NUMBER: 69X6279
POS ID: FFF8
BUS MASTER: NO
AVAILABLE: 12/87
DESCRIPTION: Provides emulation capability for twinaxial attachment of all IBM* PS/2* computers with the Micro Channel* bus to IBM AS/400*, IBM System/36 and IBM System/38.

Communication: X.25

ADAPTER NAME: IBM* X.25 Interface Co-Processor/2 [2960]
SUPPORTS: RISC System/6000* POWERstations and POWERservers
FEATURE CODE: 2960
POS ID: EFF0
BUS MASTER: NO
AVAILABLE: 6/90
DESCRIPTION: The X.25 Interface Co-Processor/2 attaches a RISC System/6000* system unit to an X.25 packet switched network. This adapter provides a single port that will accommodate one of three selectable interfaces: X.21, EIA-322-D/V.24, and V.35. The adapter's on-board software is capable of processing inbound and outbound data streams to off-load communications tasks from the system processor. The adapter supports full duplex synchronous or asynchronous protocols and is supplied with 512KB of memory.

ADAPTER NAME: IBM* X.25 Interface Co-Processor/2 [6049]
SUPPORTS: Micro Channel* 370—014 & 114
FEATURE CODE: 6049
POS ID: EFF0
BUS MASTER: NO
AVAILABLE: 3/90
DESCRIPTION: A high speed intelligent communications adapter that can provide a full duplex, synchronous or asynchronous X.21, X.21 bis V.24 (RS-232) or X.21 bis V.35 interface by means of a selectable cable option.

ADAPTER NAME: X.25/HDLC Packet Network Adapter
SUPPORTS: Micro Channel* 370—010, 012, 110, 112 & 370 side of 014 & 114
FEATURE CODE: 6029
POS ID: EFF0
BUS MASTER: NO
AVAILABLE: 3/90
DESCRIPTION: This adapter provides one interface port that is capable of supporting X.25/HDLC communication at line speeds ranging from 2,400 to 64,000 bps. Physical interfaces supported by this adapter are X.21BIS/V.24/RS-232-C, X.21BIS/V.35 and X.21. This feature provides the physical and data link layers for connecting to X.25 packet switched networks. However, the packet layer must be provided by appropriate System/370* software such as VTAM X.25 Communications Adapter Support. Maximum: one per Model 010 and 110, two per Model 012 and 112, one per Model 014 and 114. Field installation. Only one adapter can be installed per System Board. Maximum line speed on Model 010, 110, 012 and 112 is 64,000 bps. Maximum line speed on Model 014 and 114 is 19,200 bps.

Part 1. IBM Adapters — Listings by Category

Diskette Drive Attachment

ADAPTER NAME: IBM* Personal System/2* 5.25-Inch Diskette Adapter/A
SUPPORTS: PS/2* Computers with Micro Channel* Bus
FEATURE CODE: 1007
PART NUMBER: 6451007
POS ID: DFFA
BUS MASTER: NO
AVAILABLE: 11/88
DESCRIPTION: An adapter card that attaches either of the external 5.25 inch diskette drives (4869-001 for 360KB or 4869-002 for 1.2MB) to the PS/2* Model 50, 50Z, 55 SX, 57 SX, 60, 65 SX, 70, P70, 80, 90 or 95 computers, or the internal diskette drive feature (6451006) to the PS/2* Model 60, 65 SX, or 80 computers.

ADAPTER NAME: IBM* Personal System/2* 5.25-Inch External Diskette Drive Adapter/A
SUPPORTS: PS/2* Computers with Micro Channel* Bus
FEATURE CODE: 8760
PART NUMBER: 6450245
POS ID: NONE
BUS MASTER: NO
AVAILABLE: 5/87
DESCRIPTION: This feature allows the IBM* 4869-001 5.25-inch External Diskette Drive (360KB) to be connected to the PS/2* Model 50, 50Z, 60, 70, or 80 (Model 041, 071, 111, 311 only) computers. The feature consists of an adapter card and an internal cable assembly.

Facsimile

ADAPTER NAME: IBM* Personal System/2* FaxConcentrator Adapter/A
SUPPORTS: PS/2* Computers with Micro Channel* Bus
FEATURE CODE: 2530
PART NUMBER: 94X2530
POS ID: EFE2
BUS MASTER: NO
AVAILABLE: 1/91
DESCRIPTION: High function microprocessor based FAX adapter that can provide voice prompting, telephone tone detection, and optical mark recognition functions when used with a suitable application program. Features include real-time processing of tasks such as compression (Image to Group 3), decompression, and format conversions (Group 3 to Group 4) within the adapter, as opposed to doing these tasks with software in the PS/2* computer's main processor. Can communicate with Group 3 facsimile devices over the public switched telephone network for the purpose of routing FAX data. Supports the IBM* Facsimile Support/400 program offering for the PS/2* computers, although it can be used with suitably developed programs for other PS/2 computer applications. This FAX card is available worldwide in more countries than any other FAX card.

Fixed Disk Attachment

ADAPTER NAME: High-Performance Disk Drive Subsystem Adapter
SUPPORTS: RISC System/6000* POWERstations and POWERservers
FEATURE CODE: 6210
POS ID: 8F78
BUS MASTER: YES
AVAILABLE: 10/91
DESCRIPTION: This adapter enables up to four 9333 Model 010 or Model 500 High-Performance Disk Drive Subsystems to be attached to IBM* RISC System/6000* POWERstation and POWERserver 340, 350 and 500 series and POWERserver 930 and 950 systems. The adapter fetches SCSI commands by DMA from a linked list of mailboxes, packetises and forwards them to the 9333 Disk Drive Subsystem controllers over the downstream serial links. The Micro Channel* bus interface is a 4 byte (32-bit) bus master supporting data and address parity and streaming data mode. The DMA operates with a 100 ns streaming cycle with a 40MB/second peak transfer rate.

ADAPTER NAME: High-Performance Disk Drive Subsystem Adapter - 80MB/second
SUPPORTS: RISC System/6000* POWERstations and POWERservers
FEATURE CODE: 6211
POS ID: 8F78
BUS MASTER: YES
AVAILABLE: 5/92
DESCRIPTION: This adapter enables up to 4 9333 Model 010 or Model 500 High-Performance Disk Drive Subsystems to be attached to the RISC System/6000* POWERserver 970 system. The adapter fetches SCSI commands by DMA from a linked list of mailboxes, packetises and forwards them to the 9333 Disk Drive Subsystem controllers over the downstream serial links. The Micro Channel* bus interface is an 8-byte (64-bit) bus master supporting data and address parity and streaming data mode. The DMA operates with a 100 ns streaming cycle with an 80 MB/second peak transfer rate.

Part 1. IBM Adapters — Listings by Category

Graphics Interface

ADAPTER NAME: 5080 Graphics Adapter

SUPPORTS: Micro Channel* 370—010, 012, 110, 112 & 370 side of 014 & 114

FEATURE CODE: 7010

POS ID: 8787

BUS MASTER: YES

AVAILABLE 3/90

DESCRIPTION: Used to attach 5080 Graphics System Workstations. Up to four 5085 Model 2A or 5086 Graphics Processors may be attached. Maximum: one per Model 010 and 110, two per Model 012 and 112, one per Model 014 and 114. Field installation. Only one adapter can be installed per System Board.

ADAPTER NAME: IBM* PS/2* Image Adapter/A 1MB

SUPPORTS: PS/2* Computers with Micro Channel* Bus

FEATURE CODE: 0072

PART NUMBER: 06G8215

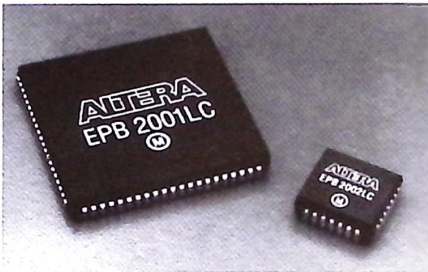
POS ID: 8DF0

BUS MASTER: NO

AVAILABLE 8/90

DESCRIPTION: This is the entry offering in a family of upgradable display adapters designed for image processing and general purpose applications requiring high resolution screen support. Supports all PS/2* computers with Micro Channel* architecture except the PS/2* Model P/770 386 computer. Upgrade path to 2MB and 3MB provided for applications requiring additional memory for improved performance or increased grayscale capability. All monochrome and color monitors for PS/2 computers are supported including the 8506 at resolutions up to 864 x 1200 with 256 levels of grayscale, the 8508 at up to 1600 x 1200 with 16 levels of grayscale, and the 6091-019 at up to 1280 x 1024 with 256 colors. Drivers are available for OS/2* Presentation Manager* 1.2, DOS Adapter Interface, Microsoft™ Windows™/286 Version 2.1, AIX* PS/2 Operating System Version 1.2, AIX PS/2 X-Windows Version 1.2, AIXwindows* Environment for PS/2 and AutoCAD™ software.

For your next Micro Channel® bus adapter design, turn to Altera — *the logic experts*



Altera's EPB2001 and EPB2002A combine dedicated Micro Channel bus interface functions with programmable logic.

- ◆ Compatible with Micro Channel bus A.C. and D.C. specifications
- ◆ Integrates POS registers
- ◆ On-chip EPROM implements card ID
- ◆ 8 programmable chip-select outputs
- ◆ Full bus-arbitration support
- ◆ Easy-to-use design-entry software

Altera's Erasable Programmable Logic Devices (EPLDs) have solved thousands of logic design problems over the past years ◆ Now Altera has focused its PLD expertise on adapter card designs for the IBM® Micro Channel bus. ◆ The result: Interface devices for the Micro Channel bus that combine dedicated bus-control functions with on-chip EPROM programmability ◆ So you get a custom interface design without the delays of ASICs ◆ The next time you have an adapter card to design, turn to Altera for the fastest and most versatile interface solution ◆

Call Altera today for more information
and free samples!

(800) 800-EPLD Ext.2189

ALTERA

IBM and Micro Channel are registered trademarks of the IBM Corporation.

Part 1. IBM Adapters — Listings by Category

Graphics Interface (Continued)

ADAPTER NAME: IBM* PS/2* Image Adapter/A 3MB
SUPPORTS: PS/2* Computers with Micro Channel* Bus
FEATURE CODE: 0073
PART NUMBER: 06G8216
POS ID: 8DF0
BUS MASTER: NO
AVAILABLE: 8/90
DESCRIPTION: This image processing adapter has all the attributes of the IBM* PS/2* Image Adapter/A 1MB plus 2MB of additional memory. It can be upgraded to the IBM* PS/2* Image Adapter/A 3MB 6091 by adding the attachment cable for the IBM 6091-019 Color Display.

ADAPTER NAME: IBM* PS/2* Image Adapter/A 3MB 6091
SUPPORTS: PS/2* Computers with Micro Channel* Bus
FEATURE CODE: 0074
PART NUMBER: 06G8217
POS ID: 8DF0
BUS MASTER: NO
AVAILABLE: 8/90
DESCRIPTION: This adapter provides, in addition to the IBM* PS/2* Image Adapter/A 3MB, an attachment cable for the IBM 6091-019 Color Display.

ADAPTER NAME: IBM* PS/2* Japanese Display Adapter
SUPPORTS: PS/2* Computers with Micro Channel* Bus
FEATURE CODE: 5117
PART NUMBER: 07G1450
POS ID: EFPE
BUS MASTER: NO
AVAILABLE: 2/92
DESCRIPTION: A high-resolution adapter (1024 x 768). When combined with the IBM* 8515 Color Display, the adapter enables the PS/2* Model 56 SLC (055 and 059 and 56 SX (043 and 045) computers to display Kanji, Katakana and Hiragana. The PS/2* Japanese Keyboard Type 2 (PN 07G1451, Feature Code 5118) is a 106-key Japanese keyboard that enables the PS/2 Model 56 SLC and 56 SX computers to input Kanji, Katakana and Hiragana. When combined with the OS/2* Extended Edition Version J1.3 Japanese Operating System, these options enable PS/55 computer application software compatibility. The IBM PS/55 computer system is available only in selected Asia Pacific countries.

ADAPTER NAME: IBM* PS/2* XGA* Display Adapter/A
SUPPORTS: PS/2* Computers with Micro Channel* Bus
FEATURE CODE: 5887
PART NUMBER: 75X5887
POS ID: 8FDB
BUS MASTER: YES
AVAILABLE: 10/90
DESCRIPTION: High-performance 32-bit bus master adapter based on Extended Graphics Array (XGA*), a new video subsystem for the IBM* PS/2* computer family of Micro Channel* bus-based products. Designed to be compatible with existing Video Graphics Array (VGA) software applications while offering many new advanced video features. The video subsystem is an evolution of VGA and provides the user with enhanced resolution, color content and hardware function. XGA design has been optimized for use by window managers and other Graphical User Interfaces. Standard on PS/2 Model 90 and 95 computers and available as an option for selected PS/2 computers with the Micro Channel bus. Supports 14 inch IBM PS/2 Color Display 8515 and its high resolution 1024 x 768 capability, 16 inch IBM PS/2 Color Display 8514, and other PS/2 monochrome and color displays including 8503, 8504, 8507, 8512, 8513, 8516, 8518 and 8604 depending on resolution and application.

ADAPTER NAME: IBM* RISC System/6000* 5085 Attachment Adapter
SUPPORTS: RISC System/6000* POWERstations and POWERservers
FEATURE CODE: 2802
POS ID: 8787
BUS MASTER: YES
AVAILABLE: 6/90
DESCRIPTION: Provides two functions for the IBM* RISC System/6000* system unit. This adapter provides a direct connection to the IBM 5085 Graphics Processor so that the 5085 can utilize the RISC System/6000 based applications. The adapter also provides a switching capability that allows the 5085 to bypass the RISC System/6000 and utilize the applications that reside on the System/370* mainframe. The Micro Channel* bus interface is a 16-bit data 24-bit address bus master which supports data and address parity.

Part 1. IBM Adapters — Listings by Category

Graphics Interface (Continued)

ADAPTER NAME: IBM* RISC System/6000* 5086 Attachment Adapter
SUPPORTS: RISC System/6000* POWERstations and POWERservers
FEATURE CODE: 2801
POS ID: 8787
BUS MASTER: YES
AVAILABLE: 6/90

DESCRIPTION: Provides two functions for the IBM* RISC System/6000* system unit. This adapter provides a direct connection to the IBM 5086 Graphics Processor so that the 5086 can utilize the RISC System/6000 based applications. The adapter also provides a switching capability that allows the 5086 to bypass the RISC System/6000 and utilize the applications that reside on the System/370* mainframe. The Micro Channel* bus interface is a 16-bit data 24-bit address bus master which supports data and address parity.

ADAPTER NAME: IBM* RISC System/6000* Color Graphics Display Adapter
SUPPORTS: RISC System/6000* POWERstations and POWERservers
FEATURE CODE: 2770
POS ID: 8EE4
BUS MASTER: YES
AVAILABLE: 6/90

DESCRIPTION: Provides support for 16-inch, 19-inch, and 23-inch analog non-interlaced, 1280 x 1024 60Hz color graphic displays on the IBM* RISC System/6000* system unit. Two hundred and fifty-six concurrent colors may be displayed from a palette of 16.7 million. This adapter occupies one slot on the Micro Channel* bus and is the larger (type 5) form factor card. The Micro Channel bus interface is a 32-bit bus master which supports streaming data and address parity.

ADAPTER NAME: IBM* RISC System/6000* Graphics Input Device Adapter
SUPPORTS: RISC System/6000* POWERstations and POWERservers
FEATURE CODE: 2810
POS ID: EDD5
BUS MASTER: NO
AVAILABLE: 6/90

DESCRIPTION: Provides attachment of the IBM* 6094 Model 010 Dials and the IBM 6094 Model 020 Lighted Program Function Keyboard to the IBM RISC System/6000. This two-port card provides control lines as well as DC power to the attached devices. The Micro Channel* bus interface is an 8-bit I/O slave with data and address parity.

ADAPTER NAME: IBM* RISC System/6000* Grayscale Graphics Display Adapter
SUPPORTS: RISC System/6000* POWERstations and POWERservers
FEATURE CODE: 2760
POS ID: 8EE5
BUS MASTER: YES
AVAILABLE: 6/90

DESCRIPTION: Provides support for the IBM* 8508 19-inch monochrome, analog non-interlaced 1280 x 1024 67Hz graphic display on the IBM RISC System/6000* system unit. Sixteen concurrent shades of gray may be displayed from a palette of 256 shades of gray. This adapter occupies one card slot on the Micro Channel* bus and is the larger (type 5) form factor card. The Micro Channel bus interface is a 32-bit bus master which supports streaming data and address parity.

ADAPTER NAME: IBM* RISC System/6000* High Performance 24-bit 3D Color Graphics Processor
SUPPORTS: RISC System/6000* POWERstations and POWERservers
FEATURE CODE: 2781
POS ID: 8EE6
BUS MASTER: YES
AVAILABLE: 6/90

DESCRIPTION: This processor has the same features as the IBM* RISC System/6000* High Performance 8-bit Color Graphics Processor (Feature Code 2780) with the addition of the 24-bit Color Graphics Frame Buffer Upgrade (RISC System/6000 Feature Code #2783) as a standard feature. The 24-bit Frame Buffer card is the larger (type 5) form factor. One optional feature is available. The 24-bit Z-Buffer Solid Rendering Option (RISC System/6000 Feature Code #2782) provides for hidden line and hidden surface removal and enables smooth surface rendering. The Micro Channel* bus interface is a 32-bit bus master which supports data and address parity.

ADAPTER NAME: IBM* RISC System/6000* High Performance 8-Bit 3D Color Graphics Processor
SUPPORTS: RISC System/6000* POWERstations and POWERservers
FEATURE CODE: 2780
POS ID: 8EE6
BUS MASTER: YES
AVAILABLE: 6/90

DESCRIPTION: Provides support for 16-, 19- and 23-inch analog non-interlaced, 1280 x 1024 60Hz color graphic displays. May display 256 concurrent colors from a palette of 16.7 million. Characteristics include: 8-bit pixels, 2 overlay planes, 2 window control planes, support of a variety of graphics functions: lighting, shading, clipping, pan, zoom, anti-aliased lines, arbitrary shaped windows, and so on. Requires 2 adjacent slots on the Micro Channel* bus. Optional features: the 24-bit Z-Buffer Solid Rendering Option (RISC System/6000* Feature Code #2782) for hidden line/surface removal and smooth surface rendering, and the 24-bit Color Graphics Frame Buffer (Type 5 card size - RISC System/6000 Feature Code #2783) for additional overlay planes, 2 additional window control planes, and 24-bit "true color". These options plug onto the Graphics Processor. The Micro Channel bus interface is a 32-bit bus master with address and data parity.

Part 1. IBM Adapters — Listings by Category

Graphics Interface (Continued)

- ADAPTER NAME:** IBM® RISC System/6000® POWER G13 8-Bit Graphics Subsystem
SUPPORTS: RISC System/6000® POWERstations and POWERservers
FEATURE CODE: 2777
POS ID: 8EE3
BUS MASTER: YES
AVAILABLE: 2/92
DESCRIPTION: The POWER G13 8-bit feature provides 2-D graphics capability. The feature provides support for 16, 19, and 23 inch 60 Hz non-interlaced analog monitors. The G13 supports 256 colors per pixel out of a palette of 16 million colors. Functions provided are single frame buffer, 2 overlay planes, 4 window ID planes, 1 global, and 1 microcode plane mask. The G13 is a 32-bit bus master and supports streaming data, address and data parity. The feature requires one slot and is packaged on a type 3 card with a 1 inch vertical extension. There is also a daughter card attached to the type 3 card. This daughter card is not optional and does not require an additional slot.
-
- ADAPTER NAME:** IBM® RISC System/6000® POWER G14 24-Bit Graphics Subsystem
SUPPORTS: RISC System/6000® POWERstations and POWERservers
FEATURE CODE: 2796
POS ID: 8EE3
BUS MASTER: YES
AVAILABLE: 6/92
DESCRIPTION: The POWER G14 24-bit feature provides 3-D graphics capability. Also, it supports 16.7 million colors per pixel. This Graphics System has the same features as the IBM® RISC System/6000® POWER G14x 24-Bit Graphics Subsystem (Feature Code #2791) except it has 2 on-board processors. The G14 24-bit feature is packaged on 3 type 5 cards and requires 3 slots. The POWER G14 Performance Upgrade is a field installable feature (#2794) that boosts the performance of the POWER G14 24-bit feature. When this feature is installed, the performance level is equivalent to that of POWER G14x (#2790 or #2791). This feature is packaged on a single type 5 card and requires no slot.
-
- ADAPTER NAME:** IBM® RISC System/6000® POWER G14 8-Bit Graphics Subsystem
SUPPORTS: RISC System/6000® POWERstations and POWERservers
FEATURE CODE: 2795
POS ID: 8EE3
BUS MASTER: YES
AVAILABLE: 6/92
DESCRIPTION: The POWER G14 8-bit feature provides 3-D graphics capability. Also, it supports 256 colors per pixel. This Graphics System has the same features as the IBM® RISC System/6000® POWER G14x 8-Bit Graphics Subsystem (Feature Code #2790) except it has 2 on-board processors. The G14 8-bit feature is packaged on 2 type 5 cards and requires 2 slots. The POWER G14 8-bit to 24-bit Field Upgrade Option (Feature Code #2792) provides true color at 16.7 million colors. This feature is packaged on a single type 5 card and requires one slot. The POWER G14 Performance Upgrade is a field installable feature (#2794) that boosts the performance of the POWER G14 8-bit feature. When this feature is installed, the performance level is equivalent to that of POWER G14x (#2790 or #2791). This feature is packaged on a single type 5 card and requires no slot.
-
- ADAPTER NAME:** IBM® RISC System/6000® POWER G14x 24-Bit Graphics Subsystem
SUPPORTS: RISC System/6000® POWERstations and POWERservers
FEATURE CODE: 2791
POS ID: 8EE3
BUS MASTER: YES
AVAILABLE: 6/92
DESCRIPTION: The POWER G14x 24-bit feature provides 3-D graphics capability. Also, it supports 16.7 million colors per pixel. This Graphics System has the same features as the IBM® RISC System/6000® POWER G14x 8-Bit Graphics Subsystem (Feature Code #2790) with the addition of the POWER G14 8-bit to 24-bit upgrade (Feature Code #2792) as a standard feature. It has 24-bit double buffered support. The G14x 24-bit feature is packaged on 4 type 5 cards and requires 3 slots.
-
- ADAPTER NAME:** IBM® RISC System/6000® POWER G14x 8-Bit Graphics Subsystems
SUPPORTS: RISC System/6000® POWERstations and POWERservers
FEATURE CODE: 2790
POS ID: 8EE3
BUS MASTER: YES
AVAILABLE: 6/92
DESCRIPTION: The POWER G14x 8-bit feature provides 3-D graphics capability. It supports 256 colors per pixel from a palette of 16.7 million colors. Custom IBM technology and 6 on-board processors combine to provide the functions. Some characteristics include: 2 overlay planes, 4 window ID planes, 1 global masking, 1 microcode plane and 2-D drawing primitives. Functions also supported are: double buffering, 3-D solid surface modeling, 3-D wireframes, hidden line and hidden surface removal (24-bit Z-Buffer), 5 hardware color maps (256 x (8,8,8)), advanced graphics primitives, 6-plane clipping and 3 axis transformation, integer and floating-point coordinates. The G14x 8-bit feature is a 32-bit bus master that supports streaming data data mode, address and data parity; packaged on 3 type 5 cards, it requires 2 slots. The POWER G14 8-bit to 24-bit field upgrade option (Feature Code #2792) provides true color at 16.7 million colors and requires a single slot.

Part 1. IBM Adapters — Listings by Category

Graphics Interface (Continued)

ADAPTER NAME: IBM* RISC System/6000* System/370* Host Interface Adapter

SUPPORTS: RISC System/6000* POWERstations and POWERservers

FEATURE CODE: 2800

POS ID: 8787

BUS MASTER: YES

AVAILABLE 6/90

DESCRIPTION: This adapter is designed to work as either a high speed connection to the System/370* mainframe for high speed file transfer or in conjunction with either the 5086 or the 5085 Attachment Adapter. It provides high speed file transfer between the RISC System/6000* system unit and the System/370 through either the IBM* 6098-001 Channel Controller, or the IBM 6098-01R Remote Controller. The Micro Channel* bus interface is a 16-bit data 24-bit address bus master which supports data and address parity.

Image Capture

ADAPTER NAME: Video Capture Adapter/A for the IBM* Personal System/2* (NTSC)

SUPPORTS: PS/2* Computers with Micro Channel* Bus

FEATURE CODE: 2785

PART NUMBER: 92F3380

POS ID: 704E

BUS MASTER: NO

AVAILABLE 10/91

DESCRIPTION: Provides capability to capture, display and digitize high quality video images for use in presentations and applications with PS/2* computers with Micro Channel* architecture. Supported video signals for input and output are NTSC, Y/C (S-video), and RGB. Intended for use with Audio Visual Connection* (AVC) licensed program. Accepts video input signals through multi-pin connection on adapter. On-board processor converts analog signals to digital format that can be manipulated, compressed and stored by software for later use. Sophisticated, detailed image processing techniques employed in AVC Image Editor Components enable users to alter characteristics of digitized image. Output connectors, for attachment to monitors, allow viewing of live or captured images. Video application program interface (API) is provided which simplifies writing of applications for the card.

ADAPTER NAME: Video Capture Adapter/A for the IBM* Personal System/2* (PAL)

SUPPORTS: PS/2* Computers with Micro Channel* Bus

FEATURE CODE: 7193

PART NUMBER: 92F3382

POS ID: 70CE

BUS MASTER: NO

AVAILABLE 10/91

DESCRIPTION: Has the same capability as the NTSC supported Video Capture Adapter/A for PAL video signals.

Memory: 16-Bit

ADAPTER NAME: IBM* Personal System/2* 1-8MB 286 Memory Expansion Option

SUPPORTS: PS/2* Computers with Micro Channel* Bus

FEATURE CODE: 8285

PART NUMBER: 6450685

POS ID: F7F7

BUS MASTER: NO

AVAILABLE 11/90

DESCRIPTION: With this adapter IBM enhances its family of memory expansion products for the PS/2* computers. This adapter provides 1MB of memory expansion with Lotus*/Intel*/Microsoft* Expanded Memory Specification (LIM EMS) Version 4.0 support for all PS/2 Model 50, 50Z, 55 SX, 60 and 65 SX computers. It is functionally equivalent to IBM's 2-8MB 80286 Memory Expansion Option (#8286, 6450609), but with 1MB of standard 85ns memory. It is expandable in increments of 1MB or 2MB up to a maximum of 8MB by using existing Single In-Line Memory Modules (SIMMs), the 1MB Memory Module Kit-85ns (#5212, 6450603) or the 2MB Memory Module Kit-85ns (#5213, 6450604). It can be used with OS/2* SE 1.2 and 1.3, or OS/2* EE 1.2 and 1.3 as extended memory, or it can be used as expanded memory. An expanded memory device driver compatible with LIM EMS Version 4.0 is included.

ADAPTER NAME: IBM* Personal System/2* 2-8MB 80286 Memory Expansion Option

SUPPORTS: PS/2* Computers with Micro Channel* Bus

FEATURE CODE: 8286

PART NUMBER: 6450609

POS ID: F7F7

BUS MASTER: NO

AVAILABLE 4/89

DESCRIPTION: A new memory adapter expandable up to 8MB for all models of the PS/2* computer Models 50, 50Z, 55 SX, 60 and 65 SX. This adapter provides memory expansion up to 8MB by using existing memory kits: 1MB Memory Module Kit — 85ns (PN 6450603) and 2MB Memory Module Kit — 85ns (6450604). This memory expansion option can be used with OS/2* computer software as extended memory, or as expanded memory. An expanded memory device driver compatible with LIM EMS Version 4.0 is included.

Part 1. IBM Adapters — Listings by Category

Memory: 32-Bit

ADAPTER NAME: IBM® PS/2® Enhanced 80386 Memory Expansion Adapter 2MB Kit
SUPPORTS: PS/2® Computers with Micro Channel® Bus
FEATURE CODE: 9856
PART NUMBER: 87F9856
POS ID: FDDE
BUS MASTER: NO
AVAILABLE: 8/91
DESCRIPTION: This 2MB Kit contains a 32-bit full length adapter card with 2MB of memory installed. It can be installed in any open 32-bit expansion slot of the PS/2® Model 70 or 80 computer and in the full-sized expansion slot of the PS/2 Model P70 computer. This 2MB Kit is expandable up to 14MB with the installation of up to three additional 1MB, 2MB, and/or 4MB Memory Module Kits.

ADAPTER NAME: IBM® PS/2® Enhanced 80386 Memory Expansion Adapter 4MB Kit
SUPPORTS: PS/2® Computers with Micro Channel® Bus
FEATURE CODE: 9860
PART NUMBER: 87F9860
POS ID: FDDE
BUS MASTER: NO
AVAILABLE: 8/91
DESCRIPTION: This 4MB Kit contains a 32-bit full length adapter card with 4MB of memory installed. It can be installed in any open 32-bit expansion slot of the IBM® PS/2® Model 70 or 80 computer and in the full sized expansion slot of the PS/2 Model P70 computer. This 4MB Kit is expandable up to 14MB with the installation of up to three additional 1MB, 2MB, and/or 4MB Memory Module Kits.

ADAPTER NAME: IBM® PS/2® Enhanced 80386 Memory Expansion Option without Memory
SUPPORTS: Micro Channel® 370—014 & 114
FEATURE CODE: 8005
POS ID: FDDF
BUS MASTER: NO
AVAILABLE: 3/90
DESCRIPTION: This card is required for greater than 4MB of PS/2® computer memory on the Model 014 and 114. The card contains no memory. 2MB and 4MB modules may be installed on the card. Up to four modules may be installed. Both 2MB and 4MB modules may be used but no more than three 4MB modules should be installed. Requires an available 32-bit slot. Maximum: one. Field installation.

Multimedia

ADAPTER NAME: Enhanced M-Motion Video Adapter/A for the IBM® Personal System/2®
SUPPORTS: PS/2® Computers with Micro Channel® Bus
FEATURE CODE: 1991
PART NUMBER: 95F1091
POS ID: 80B3
BUS MASTER: NO
AVAILABLE: 4/91
DESCRIPTION: A display adapter for PS/2® computers with Micro Channel® bus to display full motion, interactive color video and VGA graphics and text on a standard PS/2 color display. It also provides full line audio input/output capabilities with limited digital record and playback. Composite Sync (CS) output is available to synchronize up to three compatible video input sources at the same time. Replaces the original M-Motion Video Adapter/A (Feature Code 3467, Part Number 34F3037).

ADAPTER NAME: IBM® Personal System/2® ActionMedia II™ Display Adapter/A 2MB
SUPPORTS: PS/2® Computers with Micro Channel® Bus
FEATURE CODE: 9732
PART NUMBER: 69F9732
POS ID: EFDC
BUS MASTER: NO
AVAILABLE: 1/92
DESCRIPTION: This ActionMedia II™ multimedia adapter along with the Capture Option (69F9734, #9734) are part of the UltimaMedia™ product family from IBM. They allow the full range of still natural images, motion video, and quality audio information to be incorporated into new and exciting Personal System/2® computer multimedia applications. The adapter provides for the replay of DVI Technology™ applications, and, with the addition of the Capture Option, live sound and motion video can also be used as input to such applications. The adapter is supplied with device drivers and programming libraries which support a new ActionMedia II AVK (Audio Video Kernel) programming interface. AVK Version 1.0 will be provided for use with OS/2® computer software. AVK will run with OS/2 and Windows™ computer software.

Part 1. IBM Adapters — Listings by Category

Printer Attachment

ADAPTER NAME: High Speed Printer Adapter
SUPPORTS: Micro Channel* 370—010, 012, 110, 112 & 370 side of 014 & 114
FEATURE CODE: 7040
POS ID: E014
BUS MASTER: NO
AVAILABLE: 6/90
DESCRIPTION: Provides for the attachment of one high speed S/370 channel-attached printer. The feature includes an adapter card, a 3 meter (10 feet) attachment cable, and Bus and Tag channel terminators. Supported printers include: the IBM* 3825, 3835, 3827 and 3090 page printers, the IBM 3828 MICR printer, the IBM 4248 and the IBM 6262 Model 014 and Model 022 Impact Line Printer. The IBM 4248 is supported in both 4248 and 3211 mode. The IBM 3800 Model 3 is also a supported printer, but only in VSE environments. When used with selected RPQs, this adapter may support other S/370 channel devices. For example, RPQ S02157 allows connection to the IBM 3088 for channel-to-channel attachment; RPQ S02082 allows the attachment of a single 3420 tape drive. Prerequisite: An available I/O slot. Maximum: 4 on the Models 112 and 012 and 2 on the Models 110, 010, 114 and 014. Field installation: Yes.

Scanner Attachment

ADAPTER NAME: IBM* 3119 PageScanner Adapter/A
SUPPORTS: PS/2* Computers with Micro Channel* Bus
FEATURE CODE: 5442
PART NUMBER: 94X2415
POS ID: E04F
BUS MASTER: NO
AVAILABLE: 8/88
DESCRIPTION: Provides a unique interface for attaching the 3119 PageScanner to the PS/2* Model 50, 55 SX, 60, 65 SX, 70, P70 and 80 computers. The 3119 Adapter/A has the function of Digital halftone, Partial page scanning, Gray darkness control, Gray contrast control and Resolution conversion (1 x 1 to 600 x 600 pels per inch by 1 pel).

SCSI Attachment

ADAPTER NAME: DASD Adapter
SUPPORTS: Micro Channel* 370—012 & 112
FEATURE CODE: 4050
POS ID: 8EFF
BUS MASTER: YES
AVAILABLE: 3/90
DESCRIPTION: Provides the capability on a Model 12 and 112 to attach some or all of the optional internal drives to System Board B. The additional adapter is used to balance DASD activity across 2 system boards and contains a second 512KB file cache, both of which can reduce service time. The maximum of 6 internal DASD drives is the same with or without this adapter on Model 012. Twelve internal drives are supported on Model 112. This feature uses one I/O slot on the second system board. Maximum: one for the Model 012 and 112. Field installation.

ADAPTER NAME: External Storage Enclosure Adapter
SUPPORTS: Micro Channel* 370—010, 012, 110, 112 & 370 side of 014 & 114
FEATURE CODE: 4057
POS ID: 8EFF
BUS MASTER: YES
AVAILABLE: 7/91
DESCRIPTION: This adapter allows expansion of DASD capacity beyond the maximum number of DASD that may be installed internally in Micro Channel* 370 systems. Each External DASD Storage Adapter can support one External Enclosure for SCSI Devices (3511-003). Each enclosure can have up to 7 320MB DASD. Maximum: 1 per Models 010, 110, 014 or 114; 2 per Models 012 or 112. Prerequisite: RPQ S02066 is required to attach each 3511-003. Feature #1002 or #9012 is required on the Micro Channel 370. Field installation: Yes. Limitation: The only device supported by the Micro Channel 370 on the 3511-003 is the 320MB DASD, Feature #1108. No other SCSI devices may be installed in an External Storage Enclosure when it is connected to a Model 010, 110, 012, 112, or the S/370 side of the Model 114 or 014. DASD are powered on and off independently. The External Storage Enclosure must be powered up prior to powering on the Micro Channel 370.

ADAPTER NAME: IBM* Personal System/2* Micro Channel* SCSI Adapter
SUPPORTS: PS/2* Computers with Micro Channel* Bus
FEATURE CODE: 1005
PART NUMBER: 6451109
POS ID: 8EFE
BUS MASTER: YES
AVAILABLE: 3/90
DESCRIPTION: A 16-bit bus master adapter that provides expandability for all PS/2* computers with the Micro Channel* bus. The adapter provides connection for multiple internal and/or external SCSI devices and has a 6.6MB per second Micro Channel bus burst transfer rate. The adapter card may be installed in a 16- or 32-bit card slot and provides the ability to connect SCSI high performance fixed disk drives, scanners, printers, CD-ROM drives, and other SCSI peripherals.

Part 1. IBM Adapters — Listings by Category

SCSI Attachment (Continued)

ADAPTER NAME: IBM* PS/2* Micro Channel* SCSI Adapter with Cache
SUPPORTS: PS/2* Computers with Micro Channel* Bus
FEATURE CODE: 1132
PART NUMBER: 6451133
POS ID: 83FF
BUS MASTER: YES
AVAILABLE 3/92
DESCRIPTION: A 32-bit bus master adapter that provides expandability for all PS/2* computers with the Micro Channel* bus. This adapter can be installed in either a 16- or 32-bit card slot, has a 16.6MB burst transfer rate, 512KB cache buffer, and adheres to the Small Computer System Interface (SCSI) that supports connection for multiple internal and/or external SCSI devices. These include high-performance fixed disk drives, scanners, CD-ROM drives, and other SCSI peripherals.

ADAPTER NAME: IBM* RISC System/6000* SCSI High-Performance Internal/External I/O Controller
SUPPORTS: RISC System/6000* POWERstations and POWERservers
FEATURE CODE: 2835
POS ID: 8D77
BUS MASTER: YES
AVAILABLE 6/90
DESCRIPTION: Provides high performance attachment of single-ended internal or external SCSI disk drives, CD-ROM, and tape drives for the IBM* RISC System/6000* system unit. The controller supports SCSI parity, acts as a SCSI initiator, and accepts multiple commands per device. The Micro Channel* bus interface is a 4- byte (32-bit) bus master which supports data and address parity and streaming data mode.

ADAPTER NAME: SCSI Adapter (DASD Adapter)
SUPPORTS: Micro Channel* 370—014 & 114
FEATURE CODE: 4050
POS ID: 8EFF
BUS MASTER: YES
AVAILABLE 3/90
DESCRIPTION: The DASD Adapter allows some or all of the four optional DASD drives to be attached to the PS/2* computer side. Requires an available 32-bit slot. Maximum: one. Field installation. Only DASD Drives (#4045) should be installed in the Model 014 and 114 for this adapter.

Serial Port

ADAPTER NAME: 4-Port Selectable Synchronous Communications Adapter
SUPPORTS: Micro Channel* 370—010, 012, 110, 112 & 370 side of 014 & 114
FEATURE CODE: 6254
POS ID: 8F70
BUS MASTER: NO
AVAILABLE 3/92
DESCRIPTION: This adapter supports 4 synchronous communications lines. The lines may be any combination of BSC and SDLC lines. ASYNC is not supported. The first 2 ports support V.35 lines up to 64 Kbps each. All 4 ports support RS-232 at 19.2 Kbps. The 1st port can also support the X.21 interface up to 64 Kbps. Field installation: Yes. Prerequisite: either feature code #9003 or #1003. Feature #9003 is shipped standard on all Micro Channel* 370 systems after 11/91. For systems shipped or installed prior to 11/91, feature #1003 should be ordered. Limitations: This adapter does not support connection to V.35 devices without modem or a modem eliminator; refer to feature #6027 with cable feature #6033. Maximum: 3 per Model 010, 110, 014 and 114; 10 per Model 012 and 112.

ADAPTER NAME: 8 Port RS-232-C (1MB) Adapter
SUPPORTS: Micro Channel* 370—010, 012, 110, 112 & 370 side of 014 & 114
FEATURE CODE: 7022
POS ID: EFF0
BUS MASTER: NO
AVAILABLE 3/90
DESCRIPTION: Provides eight EIA RS-232-C (CCITT V.24) serial I/O ports. An 8-port cable and connector is included. The adapter has a 1MB memory. Maximum: 3 per Model 010 and 110, 10 per Model 012 and 112, 3 per Model 014 and 114. Field installation. Intended for customer programming.

Part 1. IBM Adapters — Listings by Category

Serial Port (Continued)

ADAPTER NAME: 8-Port RS-232-C Adapter (512KB)

SUPPORTS: Micro Channel* 370—010, 012, 110, 112 & 370 side of 014 & 114

FEATURE CODE: 6022

POS ID: EFF0

BUS MASTER: NO

AVAILABLE 3/90

DESCRIPTION: Provides 8 EIA RS-232-C (CCITT V.24) serial I/O ports. An 8-port cable and connector is included. All 8 ports may be used for asynchronous communications. The first 2 ports may also be used for synchronous communications. Devices may be up to 15.2 meters (50 feet) away without a modem. For greater distances, a modem may be used. Each port is capable of line speeds of up to 19,200 bps. The maximum number of lines and maximum data rates supported by 1 adapter are dependent upon line speeds selected and the mix of protocols. This adapter may be used with System/370* communications, can be programmed to support special protocols or applications, and supports 3270 emulation for 3151 displays. Maximum: 3 per Model 010, 110, 014 and 114; 10 per Model 012 and 112. Field installation. Maximum line speed for all ports per adapter varies by usage. Ports 0 and 1, if used for synchronous communication, can both be SDLC or both be BSC but not one of each.

ADAPTER NAME: 8 Port RS-232-C/RS-422-A (1MB) Adapter

SUPPORTS: Micro Channel* 370—010, 012, 110, 112 & 370 side of 014 & 114

FEATURE CODE: 7024

POS ID: EFF0

BUS MASTER: NO

AVAILABLE 3/90

DESCRIPTION: Provides four EIA RS-232-C (CCITT V.24) serial I/O ports and four RS-422-A (CCITT V.11) serial I/O ports. An 8-port cable and connector is included. The adapter has a 1MB memory. Maximum: three per Model 010 and 110, ten per Model 012 and 112, three per Model 014 and 114. Field installation. Intended for customer programming.

ADAPTER NAME: 8-Port RS-232-C/RS-422-A Adapter (512KB)

SUPPORTS: Micro Channel* 370—010, 012, 110, 112 & 370 side of 014 & 114

FEATURE CODE: 6024

POS ID: EFF0

BUS MASTER: NO

AVAILABLE 3/90

DESCRIPTION: Provides four EIA RS-232-C (CCITT V.24) serial I/O ports and four RS-422-A (CCITT V.11) serial I/O ports. An 8-port cable and connector is included. All eight ports may be used for asynchronous communications. The first two RS-232-C ports may also be used for synchronous (SDLC, BSC) communications. Each port is capable of line speeds of up to 19,200 bps. The maximum number of lines and maximum data rates supported by one adapter are dependent upon line speeds selected and the mix of protocols. This adapter may be used with S/370 communications. It can also be programmed to support special protocols or applications. This adapter also supports 3270 terminal emulation for 3151 displays. Maximum: 3 per Model 010 and 110, 10 per Model 012 and 112, 3 per Model 014 and 114. Field installation. The maximum line speed for all ports per adapter varies by usage. Ports 0 and 1, if used for synchronous communication, must operate with either SDLC or BSC but not both.

ADAPTER NAME: 8 Port RS-422-A (1MB) Adapter

SUPPORTS: Micro Channel* 370—010, 012, 110, 112 & 370 side of 014 & 114

FEATURE CODE: 7026

POS ID: EFF0

BUS MASTER: NO

AVAILABLE 3/90

DESCRIPTION: Provides eight RS-422-A serial I/O ports. An 8 port cable and connector is included. The adapter has a 1MB memory. Maximum: three per Model 010 and 110, ten per Model 012 and 112, three per Model 014 and 114. Field installation. Intended for customer programming.

ADAPTER NAME: 8-Port RS-422-A Adapter (512KB)

SUPPORTS: Micro Channel* 370—010, 012, 110, 112 & 370 side of 014 & 114

FEATURE CODE: 6026

POS ID: EFF0

BUS MASTER: NO

AVAILABLE 3/90

DESCRIPTION: Provides eight RS-422-A serial I/O ports. An 8-port cable and connector is included. All eight ports in each adapter are capable of asynchronous communications. Devices can be attached up to 1,219 meters (4000 feet) away. No modem is required. Each port is capable of line speeds of up to 19,200 bps. The maximum number of lines and maximum data rates supported by the adapter are dependent upon line speeds selected and the mix of protocols. This adapter may be used with S/370 communications. This adapter supports 3270 emulation for 3151 terminals and printer emulation for selected printers. It can also be programmed to support special protocols or applications. Maximum: 3 per Model 010 and 110, 10 per Model 012 and 112, 3 per Model 014 and 114. Field installation. The maximum line speed for all ports per adapter varies by usage.

Part 1. IBM Adapters — Listings by Category

Serial Port (Continued)

ADAPTER NAME: 8-Port Synchronous Communications Adapter
SUPPORTS: Micro Channel* 370—010, 012, 110, 112 & 370 side of 014 & 114
FEATURE CODE: 6352
POS ID: 8F70
BUS MASTER: NO
AVAILABLE: 3/92
DESCRIPTION: This adapter can support eight synchronous communication lines. They may be any combination of BSC and SDLC lines. ASYNC is not supported. The physical interface is RS-232. Each of the eight communication lines can be up to 19.2 Kbps. Field installation: Yes. Prerequisite: Either feature #9003 of #1003 is required. Feature Code #9003 is shipped standard on all Micro Channel* 370 systems after 11/91, for systems shipped or installed prior to 11/91, feature #1003 should be ordered. Maximum: 3 per Model 010, 110, 014 and 114; 6 per Model 012 and 112.

ADAPTER NAME: Dual Async Adapter
SUPPORTS: Micro Channel* 370—010, 012, 110, 112 & 370 side of 014 & 114
FEATURE CODE: 6011
POS ID: EEFF
BUS MASTER: NO
AVAILABLE: 3/90
DESCRIPTION: Provides two serial asynchronous communication ports for attachment of modems and other peripheral devices, such as the IBM* 3151 Model 310 and 410. Maximum: one per Model 010 and 110, two per Model 012 and 112, one per Model 014 and 114. Field installation. Only one adapter can be installed per System Board. The maximum line speed is 9600 bps for each port.

ADAPTER NAME: Eight Port RS-232-C Interface Board (1MB)
SUPPORTS: Micro Channel* 370—014 & 114
FEATURE CODE: 7021
POS ID: EFFF
BUS MASTER: NO
AVAILABLE: 3/90
DESCRIPTION: Provides eight EIA RS-232-C/CCITT V.24 serial I/O ports. The first two ports can support asynchronous, bit synchronous, and character synchronous protocol hardware. Either of the first two ports can support 19.2K bps full duplex ASYNC protocols and 38.4K bps full duplex HDLC/SDLC protocols. Asynchronous protocol hardware is supported on the remaining six ports. Included in this feature are both the interface board and the IBM* Realtime Interface Co-Processor Multiport/2 adapter with 1MB of memory. Maximum: four. Field installation. Synchronous protocols are only supported on the first two ports.

ADAPTER NAME: Eight Port RS-232-C Interface Board (512KB)
SUPPORTS: Micro Channel* 370—014 & 114
FEATURE CODE: 6021
POS ID: EFFF
BUS MASTER: NO
AVAILABLE: 3/90
DESCRIPTION: Provides eight EIA RS-232-C/CCITT V.24 serial I/O ports. The first two ports can support asynchronous, bit synchronous, and character synchronous protocol hardware. Either of the first two ports can support 19.2K bps full duplex ASYNC protocols and 38.4K bps full duplex HDLC/SDLC protocols. Asynchronous protocol hardware is supported on the remaining 6 ports. Included in this feature are both the interface board and the IBM* Real-Time Interface Co-Processor Multiport/2 adapter with 512KB of memory. Maximum: four. Field installation. Synchronous protocols are only supported on the first two ports.

ADAPTER NAME: Eight Port RS-422-A Interface Board
SUPPORTS: Micro Channel* 370—014 & 114
FEATURE CODE: 7025
POS ID: EFFF
BUS MASTER: NO
AVAILABLE: 3/90
DESCRIPTION: Provides eight EIA RS-422-A serial ports. Asynchronous hardware support is provided on all eight ports. The first port can also support bit synchronous and character synchronous protocols. The first port can operate at 64K bps full duplex. Line speeds in excess of 64K bps can be achieved with appropriate adapter resident communications programs. Included in this feature are both the interface board and the IBM* Realtime Interface Co-Processor Multiport/2 adapter with 1MB of memory. Maximum: four. Field Installation. Synchronous protocols are supported by only one port.

Part 1. IBM Adapters — Listings by Category

Serial Port (Continued)

ADAPTER NAME: Eight Port RS-422-A Interface Board (512KB)

SUPPORTS: Micro Channel* 370—014 & 114

FEATURE CODE: 6025

POS ID: EFF0

BUS MASTER: NO

AVAILABLE 3/90

DESCRIPTION: Provides eight EIA RS-422-A serial ports. Asynchronous hardware support is provided on all eight ports. The first port can also support bit synchronous and character synchronous protocols. The first port can operate at 64K bps full duplex. Line speeds in excess of 64K bps can be achieved with appropriate adapter resident communications programs. Included in this feature are both the interface board and the IBM* Realtime Interface Co-Processor Multiport/2 adapter with 512KB of memory. Synchronous protocols are supported by only one port. Maximum: four. Field installation.

ADAPTER NAME: IBM* Personal System/2* Dual Async Adapter

SUPPORTS: Micro Channel* 370—014 & 114

FEATURE CODE: 6010

POS ID: EFFF

BUS MASTER: NO

AVAILABLE 3/90

DESCRIPTION: Provides asynchronous communication on two RS-232-C ports. Supports speeds from 50 to 19,200 bps. Signal transmission is supported across 50 feet of cable. Maximum: three. Field installation. Total system load will limit the practical number of ports and the speed of each port.

ADAPTER NAME: IBM* Realtime Interface Co-Processor Multiport/2 and Related Features

SUPPORTS: PS/2* Computers with Micro Channel* Bus

FEATURE CODE: 6263

PART NUMBER: 09F1897

POS ID: EFF0

BUS MASTER: NO

AVAILABLE 3/88

DESCRIPTION: A versatile, programmable, intelligent, 80186-based co-processor that provides up to 8 serial input/output ports through various separately ordered interface boards (RS-232 and/or RS-422). Asynchronous protocol hardware support is provided on all ports with bit synchronous and character synchronous protocol support available on up to 6 ports. Communication data rates up to 64,000 bps full duplex can be achieved on one port or all 8 ports may be operated concurrently at up to 9,600 bps full duplex. The Co-Processor provides a realtime multitasking environment for supporting user applications and is supplied with 512KB of dual-ported memory.

ADAPTER NAME: IBM* Realtime Interface Co-Processor Multiport/2 with 1MB Memory and Related Features

SUPPORTS: PS/2* Computers with Micro Channel* Bus

FEATURE CODE: 6247

PART NUMBER: 16F1820

POS ID: EFF0

BUS MASTER: NO

AVAILABLE 10/88

DESCRIPTION: Provides the same function as the IBM* Realtime Interface Co-Processor Multiport/2 plus increased memory capacity of 1MB.

ADAPTER NAME: IBM* Realtime Interface Co-Processor Portmaster* Adapter/A and Related Features

SUPPORTS: PS/2* Computers with Micro Channel* Bus

FEATURE CODE: 6360

PART NUMBER: 53F2601

POS ID: 8F70

BUS MASTER: YES

AVAILABLE 12/89

DESCRIPTION: A Micro Channel* bus master co-processor that complements and extends the capabilities of the current family of IBM* Realtime Interface Co-Processor adapters. Bus master extensions include capabilities and services to address adapter-to-system and adapter-to-adapter data transfers using the bus master capability of the Micro Channel architecture. Performance enhancements supporting full-duplex data rates of up to 64K bps for each of eight ports running concurrently or up to 2.048M bps for a single port can be achieved with the adapter. The one-slot adapter features a 12.5MHz Intel™ 80C186 microprocessor and 512KB of on-board storage. Separately ordered interface boards for the different electrical interfaces include RS-232 (FC 6362, Part #53F2610), RS-422 (FC 6363, Part #53F2613, Selectable Interfaces (FC 6365, Part #53F2616), V.35 (FC 1210, Part #72F0163) and X.21 (available only in Europe and Asia).

Part 1. IBM Adapters — Listings by Category

Serial Port (Continued)

ADAPTER NAME: IBM* Realtime Interface Co-Processor Portmaster* Adapter/A with 1MB Memory and Related Features
SUPPORTS: PS/2* Computers with Micro Channel* Bus
FEATURE CODE: 6364
PART NUMBER: 53F2604
POS ID: 8F70
BUS MASTER: YES
AVAILABLE: 12/89
DESCRIPTION: Provides the same function as the IBM* Realtime Interface Co-Processor Portmaster* Adapter/A plus increased memory capacity of 1MB.

ADAPTER NAME: IBM* Realtime Interface Co-Processor Portmaster* Adapter/A with 2MB Memory and Related Features
SUPPORTS: PS/2* Computers with Micro Channel* Bus
FEATURE CODE: 6368
PART NUMBER: 53F2607
POS ID: 8F70
BUS MASTER: YES
AVAILABLE: 12/89
DESCRIPTION: Provides the same function as the IBM* Realtime Interface Co-Processor Portmaster* Adapter/A plus increased memory capacity of 2MB.

ADAPTER NAME: IBM* RISC System/6000* 16-Port Async Adapter - EIA-232
SUPPORTS: RISC System/6000* POWERstations and POWERservers
FEATURE CODE: 2955
POS ID: EDD6
BUS MASTER: NO
AVAILABLE: 6/90
DESCRIPTION: Provides support for attaching up to 16 EIA-232-D asynchronous serial devices, such as terminals, or printers, to a RISC System/6000* system unit. Data rates up to 38.4K bps are supported on each port. It supports cabling up to 61m (200 feet). Sixteen-byte buffering is provided on transmit and receive. The Micro Channel* bus interface is an 8/16-bit I/O slave which supports data and address parity.

ADAPTER NAME: IBM* RISC System/6000* 16-Port Async Adapter - EIA-422A
SUPPORTS: RISC System/6000* POWERstations and POWERservers
FEATURE CODE: 2957
POS ID: EDD3
BUS MASTER: NO
AVAILABLE: 6/90
DESCRIPTION: Provides support for attaching up to 16 EIA-422A asynchronous serial devices, such as terminals, or printers, to a RISC System/6000* system unit. Data rates up to 38.4K bps are supported on each port. It supports cabling up to 1200m (4,000 feet). Sixteen-byte buffering is provided on transmit and receive. The Micro Channel* bus interface is an 8/16-bit I/O slave which supports data and address parity.

ADAPTER NAME: IBM* RISC System/6000* 64-Port Async Controller
SUPPORTS: RISC System/6000* POWERstations and POWERservers
FEATURE CODE: 6400
POS ID: 61FD
BUS MASTER: NO
AVAILABLE: 6/90
DESCRIPTION: Provides support for attaching up to 64 EIA-232-D asynchronous serial devices, such as terminals, or printers, from a single I/O slot in a RISC System/6000* system unit. The controller has connectors to attach up to 4 external 16-Port Async Concentrators (RISC System/6000 Feature Code #6401). A concentrator provides 16 connections for EIA-232 asynchronous devices. Although application dependent, data rates up to 38.4K bps are supported on each port. Cabling distances of up to 762m (2,500 feet) between controller and concentrator are supported. EIA-232 cabling of up to 61m (200 feet) between concentrator and device is supported. The Micro Channel* bus interface is an 8/16-bit memory slave.

ADAPTER NAME: IBM* RISC System/6000* 8-Port Async Adapter - EIA-232
SUPPORTS: RISC System/6000* POWERstations and POWERservers
FEATURE CODE: 2930
POS ID: EDD0
BUS MASTER: NO
AVAILABLE: 6/90
DESCRIPTION: Provides support for attaching up to 8 EIA-232-D asynchronous serial devices, such as terminals, modems or printers, to a RISC System/6000* system unit. Data rates up to 38.4K bps are supported on each port. Sixteen byte buffering is provided on transmit and receive. Full modem control lines are provided. The Micro Channel* bus interface is an 8/16-bit I/O slave which supports data and address parity.

Part 1. IBM Adapters — Listings by Category

Serial Port (Continued)

- ADAPTER NAME:** IBM* RISC System/6000* 8-Port Async Adapter - EIA-422A
SUPPORTS: RISC System/6000* POWERstations and POWERservers
FEATURE CODE: 2940
POS ID: EDD1
BUS MASTER: NO
AVAILABLE: 6/90
DESCRIPTION: Provides support for attaching up to 8 EIA-422A asynchronous serial devices, such as terminals, or printers, to a RISC System/6000* system unit. Data rates up to 38.4K bps are supported on each port. This adapter supports cabling up to 1220m (4,000 feet). Sixteen-byte buffering is provided on transmit and receive. The Micro Channel* bus interface is an 8/16-bit I/O slave which supports data and address parity.
-
- ADAPTER NAME:** IBM* RISC System/6000* 8-Port Async Adapter - MIL-STD-188
SUPPORTS: RISC System/6000* POWERstations and POWERservers
FEATURE CODE: 2950
POS ID: EDD2
BUS MASTER: NO
AVAILABLE: 6/90
DESCRIPTION: Provides support for attaching up to 8 MIL-STD-188 asynchronous serial devices, such as terminals, or printers, to a RISC System/6000* system unit. It meets the requirements of MIL-STD 188-114 for unbalanced voltage digital interface. It supports cabling up to 30M (100 feet) at 38K bps and 61m (200 feet) at 19.2K bps. Sixteen-byte buffering is provided on transmit and receive. The Micro Channel* bus interface is an 8/16-bit I/O slave which supports data and address parity.
-
- ADAPTER NAME:** IBM* X.25 Interface Co-Processor/2 and Related Features
SUPPORTS: PS/2* Computers with Micro Channel* Bus
FEATURE CODE: 6401
PART NUMBER: 16F1858
POS ID: EFF0
BUS MASTER: NO
AVAILABLE: 12/88
DESCRIPTION: A programmable, intelligent 80186-based co-processor that provides a powerful and flexible interface for applications requiring high speed, full duplex, synchronous or asynchronous communications through a single serial I/O port (X.21, V.35, or X.21bis/V.24). The Co-Processor provides a realtime multitasking environment for supporting user applications and is supplied with 512KB of dual-ported memory.
-
- ADAPTER NAME:** RS-232-C/RS-422-A Interface Board (1MB)
SUPPORTS: Micro Channel* 370—014 & 114
FEATURE CODE: 7023
POS ID: EFF0
BUS MASTER: NO
AVAILABLE: 3/90
DESCRIPTION: Provides four EIA RS-232-C/CCITT V.24 serial I/O ports (ports 0 through 3) and four EIA RS-422-A serial I/O ports (ports 4 through 7). Asynchronous protocol hardware is supported on all eight ports. Bit synchronous and character synchronous protocol hardware can be supported on the first two ports. Either of the first two ports can support 19.2K bps full duplex ASYNC protocols and 38.4K bps full duplex HDLC/SDLC protocols. Included in this feature are both the interface board and the IBM* Realtime Interface Co-Processor Multiport/2 adapter with 1MB of memory. Maximum: four. Field installation. Synchronous protocols are only supported on the first two ports.
-
- ADAPTER NAME:** RS-232-C/RS-422-A Interface Board (512KB)
SUPPORTS: Micro Channel* 370—014 & 114
FEATURE CODE: 6023
POS ID: EFF0
BUS MASTER: NO
AVAILABLE: 3/90
DESCRIPTION: Provides four EIA RS-232-C/CCITT V.24 serial I/O ports (ports 0 through 3) and four EIA RS-422-A serial I/O ports (ports 4 through 7). Asynchronous protocol hardware is supported on all eight ports. Bit synchronous and character synchronous protocol hardware can be supported on the first two ports. Either of the first two ports can support 19.2K bps full duplex async protocols and 38.4 K bps full duplex HDLC/SDLC protocols. Included in this feature are both the interface board and the IBM* Realtime Interface Co-Processor Multiport/2 adapter with 512KB of memory. Maximum: four. Field installation. Synchronous protocols are only supported on the first two ports.

Part 1. IBM Adapters — Listings by Category

Tape Drive Attachment

ADAPTER NAME: Half-Inch Tape Unit Adapter
SUPPORTS: Micro Channel* 370—010, 012, 110, 112 & 370 side of 014 & 114
FEATURE CODE: 4051
POS ID: 8EFF
BUS MASTER: YES
AVAILABLE: 3/90
DESCRIPTION: Provides attach of one IBM* 9348 Model 12 Magnetic Tape Unit. This feature includes the System Unit adapter and a 5 meter (16.4 feet) attachment cable and is used to attach the IBM 9348 Model 12 reel type magnetic tape unit mounted in a stand alone enclosure. It has a data storage capacity of up to 40 million bytes of data at 1600 bpi and up to 140 million bytes of data at 6250 bpi. It autoloads and autothreads reels of industry standard one half-inch magnetic tape and can be used for data interchange with other systems with one half-inch reel type magnetic tape units. This feature uses one I/O slot. No prerequisite. Maximum: one per Model 010 and 110, two per Model 012 and 112, one per Model 014 and 114. Field installation. Only one adapter can be installed per system board.
SEE: High Speed Printer Adapter for S/370 channel-attached tape drives. (Selected cartridge tape drives are supported on the standard DASD/Tape Adapter Included In all Micro Channel 370 systems.)

ADAPTER NAME: IBM* Personal System/2* 6157 Tape Drive Adapter
SUPPORTS: PS/2* Computers with Micro Channel* Bus
FEATURE CODE: 4160
PART NUMBER: 92X1458
POS ID: DFBF
BUS MASTER: NO
AVAILABLE: 9/87
DESCRIPTION: Provides QIC-02 attachment (5MB/min burst data rate) of the IBM* 6157 Streaming Tape Drives, both Model 001 and 002, to PS/2* computers with the Micro Channel* bus (except Model 57 SX). When used with SYTOS PLUS™ FILE BACKUP UTILITIES, for IBM DOS and OS/2* computer software files can be compressed up to 70% (50% average) effectively doubling the drive's capabilities. The full Presentation Manager* programs support unattended backup requirements for IBM OS/2 Local Area Network (LAN) Server Version 1.2 and the IBM Personal Computer LAN Program Version 1.3, including some OS/2 files that are always open, such as OS2SYS.INI and OS2.INI configuration files.

Uncategorized

ADAPTER NAME: Data Exchange Adapter
SUPPORTS: Micro Channel* 370—014 & 114
FEATURE CODE: 4014
POS ID: EFE6
BUS MASTER: NO
AVAILABLE: 6/90
DESCRIPTION: Provides a direct, hardware connection between the System/370* processor and the PS/2* processor in a Model 014 and 114. This high speed connection is logically divided into two concurrent communication paths. Each path is a full duplex path that may be used independently. Using this feature, customers may develop applications which benefit from the ability to directly exchange data between PS/2 and System/370 programs. The Data Exchange Adapter uses a shared storage buffer (RAM memory) to provide a memory-mapped window for communications between the adapter and application programs. The first 32-bit slot must be available on the PS/2 side. Maximum: one. Field installation. Support is not available for all operating systems.
SEE: High Speed Printer Adapter (Feature Code 9040) for direct attachment of selected S/370 channel devices to the S/370 processor.

ADAPTER NAME: IBM* PS/2* S/370 Channel Emulator/A Adapter
SUPPORTS: Micro Channel* 370—014 & 114
FEATURE CODE: 7041
POS ID: E014
BUS MASTER: NO
AVAILABLE: 3/90
DESCRIPTION: This adapter card and cable for the PS/2* computer emulate the operation of an IBM* System/370* channel. S/370 channel Bus (P/N 2282675) and Tag (P/N 2282676) are included. When coupled with the appropriate software, the adapter supports attachment of channel devices. Diagnostics are provided with the adapter. The "IBM S/370 Channel Emulator Technical Reference" (S544-3499) provides the programming interface. Remote PrintManager Version 3.0 provides software support for supported printers for DOS 3.3 or later release. Field installation. The feature may not work with devices with stringent turnaround timing requirements.

Part 1. IBM Adapters — Listings by Category

Uncategorized (Continued)

ADAPTER NAME: IBM* S/370 Channel Emulator/A
SUPPORTS: PS/2* Computers with Micro Channel* Bus
FEATURE CODE: 3205
PART NUMBER: 1674899
POS ID: E014
BUS MASTER: NO
AVAILABLE: 11/89

DESCRIPTION: This card for the PS/2* Model 50, 55 SX, 60, 65 SX, 70, P70, 80, 90 and 95 computers, emulates the operation of a System/370* channel. It may be used with the Remote PrintManager software to channel attach IBM 3820, 3825, 3827, or 3835 Page Printers. The new S/370 Channel Emulator Technical Reference provides information about the programming interface which is needed to develop appropriate software to channel attach other System/370 devices.

ADAPTER NAME: IBM* Second Store Loop Adapter/A
SUPPORTS: PS/2* Computers with Micro Channel* Bus
FEATURE CODE: 6701
PART NUMBER: 83X7575
POS ID: EFCF
BUS MASTER: NO
AVAILABLE: 3/90

DESCRIPTION: The Second Store Loop Adapter/A is physically the same as the adapter provided as part of the IBM* Store Controller Kit. This option monitors another store loop's activity and, with the 4680 Operating System, takes control of the monitored loop if it detects a lack of store controller activity.

ADAPTER NAME: IBM* Store Controller Kit
SUPPORTS: PS/2* Computers with Micro Channel* Bus
FEATURE CODE: 6500
PART NUMBER: 83X8187
POS ID: EFCF
BUS MASTER: NO
AVAILABLE: 3/90

DESCRIPTION: The IBM* Store Controller Kit allows the PS/2* Model 55 SX, 57 SX, 60, 65 SX, 70, 80, 90 XP, and 95 XP computers with the IBM 4680 Operating System Version 2 (5601-192), 3 (5621-074) or 4 (5696-039) to become a store controller for the IBM 4680 Store System. The kit consists of a Store Loop Adapter/A in conjunction with the 4680 Operating System will control a store loop to which can be attached up to 64 IBM 4683 Model 001, A01, P11, P21 or P41 Point of Sale Terminals. Each 4683 Model 001, A01, P11, P21 or P41 may have a 4683 Model 002 attached for a total of 128 terminals per store loop. The operational speed of the loop is 38,400 bits per second. The adapter contains two 2,000 character battery protected buffers to insure that data is correctly written to the disk before the buffer is released for the next operation.

Part 2. IOV Adapters — Introduction

The material in this section of the catalog is based on information provided to IBM by authorized representatives of each of the Independent Option Vendors (IOVs) referenced. Each IOV has stated that it is marketing or intends to market the listed products for IBM computers with Micro Channel* architecture.

All IOVs who participated with us in the last edition of the Catalog were offered the opportunity to certify that the information on file about their chip sets and expansion adapters was complete and accurate. Such information certified prior to the 3/31/92 publication deadline appears in chapters 1 through 3. Qualified information received after the 3/31/92 deadline is listed in "Late Submissions." All other information has been purged.

There are other developers whose chip sets and adapters are not included in the catalog, some by choice, some by lack of awareness, and some by oversight. Additionally, developers who have disregarded information provided them concerning the proper use of Programmable Option Select Identifiers (POS IDs) on their adapters, and in the Adapter Description File (ADF) on the option diskette accompanying such adapters, have disqualified their adapters from inclusion in this publication.

To enroll an expansion adapter in a future version of this catalog, a developer may complete, remove and return the appropriate request form on page 209.

National Software Testing Laboratories, Inc. (NSTL) has independently developed procedures to test hardware adapters that attach to the Micro Channel bus for compatibility with currently available systems, adapters and end-user software applications. NSTL offers this testing and certification program to developers of expansion adapters for the IBM PS/2* Computers with the Micro Channel bus. Those expansion adapters that have been successfully tested by NSTL and have received the formal NSTL Certification have this certification information included in the adapter description. For additional information about his program, call NSTL directly at 1-215-941-9600, or send a FAX to 1-215-941-9952.

IBM has not evaluated the listed products and makes no comments or judgements about their functions, quality, performance, etc. Users should contact the developer directly to verify product function, system supported, prerequisites, price, suitability and availability for the user's purposes.

Part 2. IOV Adapters — IOV Chip Sets

There are several chip sets available from various vendors that implement the Micro Channel* bus interface and provide bus master or Slave function. Chip sets can reduce product development cycle time and costs. They use higher levels of integration which can save adapter card space and can increase product reliability.

COMPANY: ACC Microelectronics Corporation
ADDRESS: 3295 Scott Boulevard
Suite 400
Santa Clara, CA 95054
U.S.A.
PHONE: 1-408-980-0622
FAX: 1-408-980-0626

CHIP SET: ACC 5810 Interface Chip
AVAILABLE: 8/88
DESCRIPTION: The ACC 5810 allows designers to build Micro Channel* bus-compatible adapters in a short time and in a small real estate. It supports I/O slave, memory slave and DMA slave adapters with interrupt sharing. The flexible, predefined POS configuration simplifies the logic required for a Micro Channel bus adapter.

COMPANY: Advanced Microcomputer Systems, Inc.
ADDRESS: 1321 NW 65th Place
Fort Lauderdale, FL 33309
U.S.A.
PHONE: 1-305-975-9515 / 1-800-972-3733
FAX: 1-305-975-9698

CHIP SET: MCPAL
AVAILABLE: 1/90
DESCRIPTION: Adaptor chip set for the Micro Channel* bus. It provides complete interface to the Micro Channel bus. This chip set does not have a pre-assigned Programmable Option Select (POS) ID for inclusion in the user's Adapter Description File (ADF). The user must obtain a POS ID from IBM.

COMPANY: Altera Corporation
ADDRESS: 2610 Orchard Parkway
San Jose, CA 95134
U.S.A.
PHONE: 1-408-984-2800 / 1-800-800-3753
FAX: 1-408-435-1394

CHIP SET: EPB2001/2002 Programmable Interface for IBM* Micro Channel* Bus
AVAILABLE: 6/90
DESCRIPTION: The EPB2001 and EPB2002 form a programmable interface chip set for the Micro Channel* bus including bus arbitration, POS registers, and adapter control signals.

COMPANY: Capital Equipment Corp.
ADDRESS: 76 Blanchard Road
Burlington, MA 01803
U.S.A.
PHONE: 1-617-273-1818 / 1-800-234-4232
FAX: 1-617-273-9057

CHIP SET: 88C01
AVAILABLE: 6/88
DESCRIPTION: A complete Micro Channel* bus interface on a chip. Includes over 20 user programmable features such as memory and I/O timing and decoding. Supports single and burst mode DMA, user defined POS bits, 8 POS registers and four independent chip selects. 84-pin CMOS PLCC package.

COMPANY: NCR Corporation
ADDRESS: 1635 Aeropiazza Drive
Colorado Springs, CO 80916
U.S.A.
PHONE: 1-719-596-5795
FAX: 1-719-597-8225

CHIP SET: MC Bus Interface Chip 86C01
AVAILABLE: 6/88
DESCRIPTION: VLSI chip implementing Micro Channel* bus POS registers and support logic to connect most peripheral chips.

CHIP SET: MC Bus Master DMA Chip 86C05A
AVAILABLE: 9/89
DESCRIPTION: The NCR** 86C05 bus master VLSI chip is a high performance (20MB/second) buffered 32-bit wide DMA chip which supports a BIOS, a local microprocessor, and DMA operations with most peripheral chips.

COMPANY: PLX Technology
ADDRESS: 625 Clyde Avenue
Mountain View, CA 94043
U.S.A.
PHONE: 1-415-960-0448 / 1-800-759-3735
FAX: 1-415-960-0479

CHIP SET: MC 9000
AVAILABLE: 1/91
DESCRIPTION: Single chip, 128-pin, complete bus master interface for Intel** bus mode compatible processors. ID and BIOS PROM support. Streaming data rate to 40M byte/second.

CHIP SET: MC 9010
AVAILABLE: 1/91
DESCRIPTION: Single chip, 128-pin, complete bus master interface for National Semiconductor DP83932 Ethernet** LAN controller. BIOS and ID PROM support. Streaming data rate to 40M bytes/second.

Part 2. IOV Adapters — IOV Chip Sets

COMPANY: PLX Technology
ADDRESS: 625 Clyde Avenue
Mountain View, CA 94043
U.S.A.
PHONE: 1-415-960-0448 / 1-800-759-3735
FAX: 1-415-960-0479

CHIP SET: MC 9020
AVAILABLE: 1/91
DESCRIPTION: Single chip, 128-pin, complete bus master interface for Intel™ 82596 Ethernet™ LAN controller. BIOS and IO PROM support. Streaming data rate to 40M byte/second.

COMPANY: SGS-Thomson Microelectronics
ADDRESS: 1310 Electronics Drive
Carrollton, TX 75006
U.S.A.
PHONE: 1-214-466-7024
FAX: 1-214-466-7445&

CHIP SET: IMS G200, IMS G191
AVAILABLE: 4/92
DESCRIPTION: The new XGA* chip set, designed by IBM, delivered by SGS Thomson, delivers the XGA graphics standard for the Micro Channel* bus, providing hardware performance assistance for windowing environments such as OS/2* Presentation Manager* at resolutions up to 1024 x 768 with 256 colors or 640 x 480 with 65,536 colors. The chip set provides 1024 x 768 non-interlaced support at refresh rates up to 75Hz.

COMPANY: Western Digital Corporation
ADDRESS: 8105 Irvine Center Drive
Irvine, CA 92718
U.S.A.
PHONE: 1-714-932-6413
FAX: 1-714-932-6498

CHIP SET: WD6400SX
AVAILABLE: 5/88
DESCRIPTION: The WD6400SX is a four-device core logic chip set used to build a Micro Channel* bus-compatible 80386SX-based system board. The WD6400SX operates at up to 25MHz and features the Extended Setup Facility (ESF™) for adding function to the system board.

CHIP SET: WD6400SX/LP
AVAILABLE: 5/88
DESCRIPTION: The WD6400SX/LP is a four-device core logic chip set used to build a Micro Channel* bus-compatible 80386SX-based system board. The WD6400SX/LP operates at up to 25MHz and offers power management features necessary in laptop and notebook designs.

CHIP SET: WD6500
AVAILABLE: 5/88
DESCRIPTION: The WD6500 is a five-device core logic chip set used to build a Micro Channel* bus-compatible 80386- or 80486-based system board. The WD6500 operates at up to 33MHz and features the Extended Setup Facility (ESF™) for adding function to the system board.

Part 2. IOV Adapters — Listings by Category

Alternate General Purpose Bus Master

COMPANY: Aox Incorporated
ADDRESS: 486 Totten Pond Road
Waltham, MA 02154
U.S.A.
PHONE: 1-617-890-4402 / 1-800-232-1269
FAX: 1-617-890-8445

ADAPTER NAME: MicroMASTER™ 386
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 706F; 006E on enhanced version
BUS MASTER: YES
AVAILABLE: 7/89
DESCRIPTION: 80386-based processor upgrade bus master for IBM* PS/2* Model 50, 50Z, 55 SX, 60, 70 and 80 computers. Available in 20, 25 and 33 MHz versions. Supports 80387 numeric co-processor and up to 16MB of 32-bit memory on card. Provides processor & memory upgrade capability for all Micro Channel* bus based PS/2 computer models.

ADAPTER NAME: MicroMASTER™ 486
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 006F
BUS MASTER: YES
AVAILABLE: 7/90
DESCRIPTION: 486 25MHz- and 33MHz-based bus master processor upgrade board for IBM* PS/2* computers. Supports up to 16MB of 32-bit memory on board. Provides processor and memory upgradability for all Micro Channel* bus based PS/2 computers.

COMPANY: Arco Electronics Inc.
ADDRESS: 5830 Sheridan Street
Hollywood, FL 33021
U.S.A.
PHONE: 1-305-961-1665
FAX: 1-305-964-1984

ADAPTER NAME: AC-2060D
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6A59
BUS MASTER: YES
AVAILABLE: 6/90
DESCRIPTION: The AC-2060D is a high speed, intelligent ESDI Winchester disk drive adapter. The AC-2060D may be installed with four ESDI hard disk drives for duplexing, mirroring and fault-tolerant operation. The AC-2060D is designed to easily connect an external disk drive to the Micro Channel* bus system.

COMPANY: National Instruments Corp.
ADDRESS: 6504 Bridge Point Parkway
Austin, TX 78730-5039
U.S.A.
PHONE: 1-512-794-0100 / 1-800-433-3488
FAX: 1-512-794-8411

ADAPTER NAME: MC-MXI
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 00FF
BUS MASTER: YES
AVAILABLE: 6/90
DESCRIPTION: The MC-MXI interface is a plug-in circuit board that gives an IBM* PS/2* computer direct and full control over a VXibus mainframe or a VMEbus backplane using the standard MXibus cable technology. Separate interface kits are available for DOS, OS/2*, and AIX* computer software environments.

COMPANY: Seattle Telecom & Data Inc.
ADDRESS: 2735 152nd Avenue NE
Redmond, WA 98052
U.S.A.
PHONE: 1-206-883-8440
FAX: 1-206-881-7391

ADAPTER NAME: PSX 386 Multi Master
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 003A
BUS MASTER: YES
AVAILABLE: 6/91
DESCRIPTION: 386SX 20MHz bus master Windows™ software accelerator for IBM* PS/2* Model 50, 55 SC and 60 computers. Bus master upgrade card supports 80387 and up to 16MB of RAM on board. Specialized graphics hardware improves Windows operations 10-30 times. SCSI port option supports up to 7 devices.

COMPANY: YARC Systems Corporation
ADDRESS: 975 Business Center Circle
Newburg Park, CA 91320
U.S.A.
PHONE: 1-805-499-9444
FAX: 1-805-499-4048

ADAPTER NAME: micro785 + **
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 0038
BUS MASTER: YES
AVAILABLE: 8/89
DESCRIPTION: The YARC Systems Micro 785 + is an advanced architecture coprocessor featuring a Motorola MC68020. It operates at 25MHz, 30MHz, 33MHz and 40MHz and offers up to 5 VAX™ MIPS of power to the professional user. The system supports FORTRAN, C and Pascal compilers and applications, e.g., MIRA from Oklahoma Seismic.

Part 2. IOV Adapters — Listings by Category

Audio/Voice/Phone

COMPANY: Advanced Microcomputer Systems, Inc. **ADAPTER NAME:** INFOFAX
ADDRESS: 1321 NW 65th Place **SUPPORTS:** PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
Fort Lauderdale, FL 33309 **POS ID:** 602D
U.S.A. **BUS MASTER:** YES
PHONE: 1-305-975-9515 / 1-800-972-3733 **AVAILABLE:** 1/90
FAX: 1-305-975-9698 **DESCRIPTION:** Voice, modem and FAX capability. The card can record, store and play voice messages.

COMPANY: Aicom Corporation **ADAPTER NAME:** Accent-MC
ADDRESS: 1590 Oakland Road **SUPPORTS:** PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
Suite B112 **POS ID:** 6152
San Jose, CA 95131 **BUS MASTER:** NO
U.S.A. **AVAILABLE:** 6/90
PHONE: 1-408-453-8251 **DESCRIPTION:** Accent-MC is a self-sufficient, single board microcomputer, text-to-speech converter that can be plugged directly into IBM® PS/2® computers with the Micro Channel® bus. All functions are performed through the Micro Channel bus, therefore, no DIP switch settings are necessary. The speech output comes directly from the PS/2® computer system speaker if an external speaker or headphone is not connected.
FAX: 1-408-453-8255

COMPANY: Antex Electronics Corp. **ADAPTER NAME:** Digital Audio Playback Adapter
ADDRESS: 16100 South Figueroa Street **SUPPORTS:** PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
Gardena, CA 90248 **POS ID:** 61A2
U.S.A. **BUS MASTER:** YES
PHONE: 1-310-532-3092 / 1-800-338-4231 **AVAILABLE:** 12/90
FAX: 1-310-532-8509 **DESCRIPTION:** The Antex VP800 Series of digital audio adapters allows direct from disk playback under background DOS or OS/2® computer software of high quality audio files compressed under ADPCM. Samples rates are factory set at 8, 10, 12 or 16 kHz. Outputs are standard 1/4 inch RCA line level and 8 ohm 1/4 inch stereo headphone.

ADAPTER NAME: SDS 2239 - Digital Audio Record/Playback Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 61A3
BUS MASTER: YES
AVAILABLE: 4/92
DESCRIPTION: DSP-based direct-to-disk record and playback card featuring selectable compression formats (DVI, CD-ROM XA, ADPCM) and 32-bit 1 wait state RAM for generation of high quality text-to-speech and speech recognition.

ADAPTER NAME: VP883 - Digital Audio Playback Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 61A4
BUS MASTER: YES
AVAILABLE: 2/92
DESCRIPTION: High quality speech and music playback in background mode direct-from-disk. Features s:1 ADPCM compression, 10-bit resolution, 60 dB dynamic range and 16 KHz sample rate. On board RAM buffers allow up to 16 seconds of data storage.

COMPANY: Artisoft, Inc. **ADAPTER NAME:** Sounding Board™ Adapter
ADDRESS: 691 East River Road **SUPPORTS:** PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
Tucson, AZ 85704 **POS ID:** 50C1
U.S.A. **BUS MASTER:** NO
PHONE: 1-602-293-6363 / 1-800-846-9726 **AVAILABLE:** 12/90
FAX: 1-602-293-8065 **DESCRIPTION:** The Sounding Board™ business voice and sound adapter lets you record and play high quality voice on disk. Supported by a variety of DOS, Windows™ 3.1, Multimedia Audio and OLE software products, which allow voice, messaging, annotation, multimedia narration and more. Hand set included.

Part 2. IOV Adapters — Listings by Category

Audio/Voice/Phone (Continued)

-
- | | |
|---|---|
| COMPANY: Audio Precision, Inc.
ADDRESS: P.O. Box 2209
Beaverton, OR 97075-3070
U.S.A.
PHONE: 1-503-627-0832 / 1-800-231-7350
FAX: 1-503-641-8906 | ADAPTER NAME: System One Audio Test System
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6064
BUS MASTER: NO
AVAILABLE: 1/88
DESCRIPTION: Comprehensive audio test and measurement system for distortion, noise, level, phase, frequency, spectrum analysis, waveform display and integration and analysis of digital audio signals. |
|---|---|
-
- | | |
|--|--|
| COMPANY: Auditek Oy
ADDRESS: P.O. Box 361
20101 Turku
FINLAND
PHONE: 358-21-363-900
FAX: 358-21-363-440 | ADAPTER NAME: Voiccard 2000
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 69EB
BUS MASTER: NO
AVAILABLE: 2/91
DESCRIPTION: A high quality audio record/playback card. Easily controlled by voiccard software utilities, practically any programming language or authoring system. The current bandwidth is 0 to 9500Hz. The flexibility of the Voiccard 2000 makes it an ideal tool for audio-enhanced computer programs, e.g. in education, marketing demonstrations and public address systems. |
|--|--|
-
- | | |
|---|--|
| COMPANY: Creative Labs, Inc.
ADDRESS: 1901 McCarthy Boulevard
Milpitas, CA 95035
U.S.A.
PHONE: 1-408-428-6600 / 1-800-544-6146
FAX: 1-408-428-6611 | ADAPTER NAME: Sound Blaster™ MCV
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5084
BUS MASTER: NO
AVAILABLE: 3/91
DESCRIPTION: The Sound Blaster MCV is an all-in-one sound card for PS/2* computers with the Micro Channel™ bus. It has 11-voice FM music synthesizer, 8-bit voice output (DAC) and voice input (ADC), a MIDI port and a joystick port. Supported by the largest library of software. |
|---|--|
-
- | | |
|--|---|
| COMPANY: Dialogic Corporation
ADDRESS: 300 Littleton Road
Parsippany, NJ 07054
U.S.A.
PHONE: 1-201-334-8450
FAX: 1-201-334-1257 | ADAPTER NAME: D/81-MC, LSI/80-MC, VR/81-MC
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - YES
POS ID: 630A-VR/81-MC; 613A-D/81-MC
BUS MASTER: NO
AVAILABLE: 10/90
DESCRIPTION: D/81-MC 8-channel voice communication system. LSI/80-MC 8-channel loop start telephony interface. VR/81-MC 8-channel speaker independent voice recognition system. |
|--|---|
-
- | | |
|---|---|
| COMPANY: InterVoice, Inc.
ADDRESS: 17811 Waterview Parkway
Dallas, TX 75252
U.S.A.
PHONE: 1-214-497-8862
FAX: 1-214-497-8905 | ADAPTER NAME: Analog Interface Card
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 62DA
BUS MASTER: NO
AVAILABLE: 11/90
DESCRIPTION: 6-line analog telephone line interface. Loop start interface with ring detect and loop current detect. Connects to InterVoice VocalCard™/Digital adapter for the IBM® Micro Channel* bus to provide Voice Systems solutions. |
|---|---|
-
- | |
|--|
| ADAPTER NAME: Shared Resource Card
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 62DF
BUS MASTER: NO
AVAILABLE: 11/90
DESCRIPTION: Shared Resource Adaptor for InterVoice product line. Software configurable to provide either speaker independent voice recognition, 212A or V.22 modem, hearing impaired modem or FAX. |
|--|
-
- Part 2. IOV Adapters 49

Part 2. IOV Adapters — Listings by Category

Audio/Voice/Phone (Continued)

COMPANY: InterVoice, Inc.
ADDRESS: 17811 Waterview Parkway
Dallas, TX 75252
U.S.A.
PHONE: 1-214-497-8862
FAX: 1-214-497-8905

ADAPTER NAME: VocalCard™/Digital
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 62DB
BUS MASTER: NO
AVAILABLE: 9/90
DESCRIPTION: 24-line T1 telephone line interface for voice messaging / voice response systems. Systems expandable from 6 lines to hundreds of lines. Voice compression / expansion, DTMF/MF recognition, call progress tone detection performed by 50MHz digital signal processor. Supports the Micro Channel* bus interface, residing in either a 16-bit or a 32-bit slot.

COMPANY: Natural MicroSystems Corporation
ADDRESS: Eight Erie Drive
Natick, MA 01760
U.S.A.
PHONE: 1-508-650-1300 / 1-800-533-6120
FAX: 1-508-650-1352

ADAPTER NAME: VBX™ 100/MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6FBF
BUS MASTER: NO
AVAILABLE: 5/88
DESCRIPTION: 1-line Digital Signal Processor (DSP)-based phone call processing adapter. Can be used with other VBX adapters and advanced VBX software tools to build high-performance, single- or multi-line voice processing systems. Includes phone line and local phone set connections, COM port emulation hardware and other features for workstation-based applications. VBX software includes advanced development tools and more.

ADAPTER NAME: VBX™ 200/MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6FBF
BUS MASTER: NO
AVAILABLE: 5/90
DESCRIPTION: 2-line phone call processing adapter for use with other VBX adapters and advanced VBX application development software to build high-performance multi-line voice processing systems. Includes a separate Digital Signal Processor (DSP) per line to provide voice record / playback with programmable compression / expansion, DTMF, MF, call progress monitoring and related call processing functions.

ADAPTER NAME: Watson/VIS Combo 2400
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6FBF
BUS MASTER: NO
AVAILABLE: 5/88
DESCRIPTION: Automatic telephone answering, multi-user voice mail, 300-2400 baud Hayes™ compatible modem, telemarketing, automatic telephone attendant, and an easy to use command language to help users customize voice applications.

COMPANY: Online Products Corporation
ADDRESS: 20251 Century Boulevard
Germantown, MD 20874
U.S.A.
PHONE: 1-301-428-3700 / 1-800-922-9204
FAX: 1-301-428-2903

ADAPTER NAME: DSA-1640
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 503D
BUS MASTER: NO
AVAILABLE: 11/90
DESCRIPTION: The DSA-1640 records and plays back in stereo m-LAW PCM, ADPCM and 16-bit linear PCM with software selectable data rate of 4, 6, 8, 12, 16, 18.9 and 37.9 KHz. Features include: software controlled record boost, AGC, dual input channels for mixing and playback speed can be varied by -50% to +75% in 5% increments.

ADAPTER NAME: DSA-340 Digital Audio Record/Playback Card
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5023
BUS MASTER: NO
AVAILABLE: 9/88
DESCRIPTION: Digital audio recording and playback card with software selectable sampling rates and 2KB FIFO. DMA and interrupt capabilities. In playback can dynamically change data rates for audio sequences recorded at different rates.

Part 2. IOV Adapters — Listings by Category

Audio/Voice/Phone (Continued)

COMPANY: Teldat, S.A.
ADDRESS: Parque Tecnológico de Madrid
26760 Tres Cantos
Madrid
SPAIN
PHONE: 34-1-807-65-65
FAX: 34-1-807-65-66

ADAPTER NAME: Card VTX Teldat
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 805E
BUS MASTER: NO
AVAILABLE: 12/90
DESCRIPTION: VTX Teldat card emulates a Videotex terminal under CEPT norm with Microsoft™ DOS operating system-based software which is able to visualize the pages in VGA or monochrome displays. VTX enables manual or automatic dialing by tones or pulses, directly from keyboard or from the stored numbers in a note-pad. The modem is a V.23 up to 1200 bps with 75 bps secondary channel.

Communication: Integrated Services Digital Network (ISDN)

COMPANY: AVM GmbH
ADDRESS: Vollastrasse 5
1000 Berlin 65
FEDERAL REPUBLIC OF GERMANY
PHONE: 49-(0)30-467-07-0
FAX: 49-(0)30-467-07-299

ADAPTER NAME: AVM ISDN-Controller B1 for IBM* Micro Channel* Architecture
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 61C7
BUS MASTER: NO
AVAILABLE: 3/91
DESCRIPTION: ISDN plug-in board for Micro Channel* bus-based PCs to connect the PC with the ISDN. Handles 2 B-channels (2 x 64 kbits/second) and the necessary protocols to access all ISDN services. Main components: Basic Rate Interface (SO), Transputer 10 MIPS, 1MB RAM.

COMPANY: Fujitsu Networks Industry, Inc.
ADDRESS: Soundview Plaza
1266 Main Street
Stamford, CT 06902
U.S.A.
PHONE: 1-203-326-2700 / 1-800-446-4736
FAX: 1-203-326-2701

ADAPTER NAME: I3-ISDN Information Integrator
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 0821
BUS MASTER: YES
AVAILABLE: 7/90
DESCRIPTION: I3 is an ISDN upgrade package. It comprises an adapter for the Micro Channel* bus, ISDN telephone and application software including ISDN Telephone Manager, Phonebook, Switch Interfaces, V.120 and Voice/Data API. Supports X.25, SNA, 3270 and async data on D and B channels up to 64Kbps.

COMPANY: LASAT A/S
ADDRESS: Svenstrup Skolevej 27
DK-9230 Svenstrup
DENMARK
PHONE: 45-98-38-28-22
FAX: 45-98-38-27-22

ADAPTER NAME: LASAT PS12
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 629A
BUS MASTER: NO
AVAILABLE: 4/92
DESCRIPTION: An ISDN basic rate adapter, conforming to ETSI standards. It supports 2 data channels or 1 data and 1 voice channel. The Micro Channel* architecture interface can be configured as a serial COM port (AT* bus) or as a common ISDN API-compatible device.

COMPANY: mbp Kommunikationssysteme GmbH
ADDRESS: Semerleichstrasse 47-49
4600 Dortmund
FEDERAL REPUBLIC OF GERMANY
PHONE: 49-231-944-1470
FAX: 49-231-41-41-78

ADAPTER NAME: SOLIS MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5863
BUS MASTER: NO
AVAILABLE: 8/91
DESCRIPTION: Multi-purpose ISDN adapter with applications for LAN to LAN bridging, fast file transfer, modem emulation, NetBIOS emulation, telephone management and on-board analogue gateway to reach FAX machines worldwide.

COMPANY: NCP engineering GmbH
ADDRESS: Dombühler Strasse 2
W-8500 Nurnberg 60
FEDERAL REPUBLIC OF GERMANY
PHONE: 49-0911-99-68-0
FAX: 49-0911-6-31-21-72

ADAPTER NAME: NCP 3270 ISDN/2
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6211
BUS MASTER: NO
AVAILABLE: 10/91
DESCRIPTION: The processor board NCP 3270 ISDN/2 provides for high-performance attachment of PS/2* computers and compatibles to the IBM* mainframe via ISDN. Soft-loading via microcode; supports SO and UPo interface; optional is FAX G3 and G4, telephone and modem functions.

Part 2. IOV Adapters — Listings by Category

Communication: Integrated Services Digital Network (ISDN) (Continued)

COMPANY: NCR Corporation
ADDRESS: Network Products Division
2700 Snelling Avenue North
St. Paul, MN 55113
U.S.A.
PHONE: 1-612-638-7685 / 1-800-225-5627
FAX: 1-612-638-7531

ADAPTER NAME: NCR StarWAN™ ISDN Data Terminal Adapter/MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6449
BUS MASTER: NO
AVAILABLE: 10/91
DESCRIPTION: The StarWAN™ ISDN DTA/MC permits a PS/2* with Micro Channel* bus to access the ISDN Basic Rate Interface (BRI or 2B + D) for data. Supports AT&T, Northern Telecom, NEC and Ericsson S/T interfaces. Supports X.25, X.3, X.28, X.29, V.110 and V.120 data protocols. Emulates standard PC COM port enabling the on-board software to support the Hayes™ "AT" command set at rates up to 38.4Kbps.

ADAPTER NAME: NCR StarWAN™ ISDN Personal Computer Terminal Adapter/MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6442
BUS MASTER: NO
AVAILABLE: 10/91
DESCRIPTION: The StarWAN™ ISDN PCTA/MC permits a PS/2* computer with the Micro Channel* bus to access the ISDN Basic Rate Interface (BRI or 2B + D) for voice and data. Supports all the data capabilities of the NCR DTA/MC plus support for placing and receiving voice calls over ISDN with their Voice/Data Manager (VDM) application.

COMPANY: OXUS Research S.A.
ADDRESS: 17-19 rue Jeanne Braconnier
92366 Meudon la Foret, Cedex
FRANCE
PHONE: 33-1-46-31-07-07
FAX: 33-1-46-31-66-11

ADAPTER NAME: OXUS PS/S0
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6138
BUS MASTER: NO
AVAILABLE: 6/91
DESCRIPTION: ISDN board for voice and data applications. 16-bit processor, 512KB RAM, 2 independent B channels at 64K bps, 1 D channel at 16K bps. X.25, V120 and LAPB are executed on board. Comes with OFT multi-channel file server and client, OPM, an ISDN telephone for Windows™ 3 software. Optional handset. Compatible with IBM* point-of-sale terminals.

COMPANY: SYNAPTEL
ADDRESS: 13, avenue Morane Saulnier
Le Mermoz
78140 Velizy
FRANCE
PHONE: 33-1-30-67-1700
FAX: 33-1-34-65-3913

ADAPTER NAME: SYNERIS/PS
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 6F90
BUS MASTER: NO
AVAILABLE: 5/91
DESCRIPTION: ISDN Basic Rate Access (S0) intelligent adapter. Supports X.25 in both B channels and the D channel. Accessible through a COM2 to COM4 serial port for PAD applications. Also provides an RS-232C connector for X.25, SDLC and BSC communications through an external modem.

Communication: Modem

COMPANY: Advanced Microcomputer Systems, Inc.
ADDRESS: 1321 NW 65th Place
Fort Lauderdale, FL 33309
U.S.A.
PHONE: 1-305-975-9515 / 1-800-972-3733
FAX: 1-305-975-9698

ADAPTER NAME: XPRESS 12
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 602D
BUS MASTER: NO
AVAILABLE: 12/87
DESCRIPTION: 1200 baud internal modem. Asynchronous and synchronous V.22 bis.

ADAPTER NAME: XPRESS 24
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 602D
BUS MASTER: NO
AVAILABLE: 12/87
DESCRIPTION: 2400 baud internal modem.

ADAPTER NAME: XPress 96
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 602D
BUS MASTER: YES
AVAILABLE: 1/90
DESCRIPTION: V32 compatible 9600 baud modem with MNP™ 5 error correction and compression combined with 9600 baud FAX.

Part 2. IOV Adapters — Listings by Category

Communication: Modem (Continued)

COMPANY: B. V. Neways R&D ADDRESS: Duivendijk 1 5672 AD Nuunen THE NETHERLANDS PHONE: 31-40-83-83-05 FAX: 31-40-83-68-05	ADAPTER NAME: M6050 V.21, V.22 and V.22 bis Modem SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6BC3 BUS MASTER: NO AVAILABLE: 4/89 DESCRIPTION: Internal modem for all PS/2* computers with Micro Channel* bus. Compatible with CCITT, Bell™, Hayes™ "AT" protocols. 300 to 2400 baud. Connects to system speaker through Micro Channel bus audio channel.
COMPANY: Cardinal Technologies, Inc. ADDRESS: 1827 Freedom Road Lancaster, PA 17601 U.S.A. PHONE: 1-717-293-3000 / 1-800-722-0094 FAX: 1-717-293-3055	ADAPTER NAME: MC2450 - 2400 Baud Modem SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO POS ID: 61E1 BUS MASTER: NO AVAILABLE: 6/90 DESCRIPTION: 2400 bps asynchronous modem. 100% compatible with Hayes™ "AT" command set. Includes FLASHlink™ software for ease of use and MNP™ levels 4 and 5 emulation. MNP is the data compression and error correction protocol developed by Microcom Corporation.
	ADAPTER NAME: MC2450MNP - 2400 Baud Modem with MNP™ SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO POS ID: 61E1 BUS MASTER: NO AVAILABLE: 6/90 DESCRIPTION: 2400 bps asynchronous modem with built-in MNP™ levels 1 to 5. 100% compatible with Hayes™ "AT" command set. MNP level 5 can deliver 2 to 1 data compression for throughput rates in excess of 4800 bps.
COMPANY: Dataflex Design Ltd. ADDRESS: 10-12 Lombard Road South Wimbledon London SW19 3TZ UNITED KINGDOM PHONE: 44-81-543-6417 FAX: 44-81-543-7029	ADAPTER NAME: Rapier V32 Modem SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6B80 BUS MASTER: NO AVAILABLE: 2/91 DESCRIPTION: Supports enhanced "AT" command set, MNP™ 5 line speeds, V.21, V.22, V.22 bis, V.23, and V.32. Enhanced modems offer built-in 8530 synchronous adapter and IBM HDLC and SDLC adapter-compatible interface.
COMPANY: Digicom s.p.a. ADDRESS: Via A. Volta 39 Cardano al Campo (VA) 21010 ITALY PHONE: 39-(0)3-31-263-122 FAX: 39-(0)3-31-26-37-33	ADAPTER NAME: SNM 12 PS Modem SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6AC2 BUS MASTER: NO AVAILABLE: 2/88 DESCRIPTION: Internal synchronous/asynchronous 1200/300 bps full-duplex modem conforming to CCITT V.22 and V.21, autocalling to CCITT V.25 BIS and Hayes™ modems, error correction to MNP™ class 4 compression to MNP class 5.
	ADAPTER NAME: SNM 16 Modem SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6AC3 BUS MASTER: NO AVAILABLE: 9/88 DESCRIPTION: Internal synchronous/asynchronous 2400/1200/300 bps full-duplex modem conforming to CCITT V.22 BIS, V.22 and V.21, autocalling to CCITT V.25 BIS and Hayes™ modems, error correction to MNP™ class 4, compression to MNP class 5.
COMPANY: Dr. Neuhaus Mikroelektronik GmbH ADDRESS: Haldenstieg 3 D-2000 Hamburg 61 FEDERAL REPUBLIC OF GERMANY PHONE: 49-40-55304-222 FAX: 49-40-55304-180	ADAPTER NAME: FURY™ 2400 PS / MNP™ SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6BD0 BUS MASTER: NO AVAILABLE: 11/89 DESCRIPTION: Modem adapter. Transfer rate 300 to 2400 bps (V.21, V.22, V.22 bis). MNP™ Class 5 (error free protocol and data compression). "AT" command set. Supports COM2 to COM8. PPT approved for Germany.

Part 2. IOV Adapters — Listings by Category

Communication: Modem (Continued)

COMPANY: Eicon Technology Corporation ADDRESS: 2196 32nd Avenue (Lachine) Montreal, Quebec H8T 3H7 CANADA PHONE: 1-514-631-2592 FAX: 1-514-631-3092	ADAPTER NAME: EiconCard IMC/MC™ SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO POS ID: 6E6E BUS MASTER: NO AVAILABLE: 1/91 DESCRIPTION: An intelligent communications adapter featuring a 68000 microprocessor, 1MB of on-board memory and a V.32 modem. Provides support for up to 254 concurrent sessions over SDLC or X.25. Options include V.22 bis and V.32 bis modems.
COMPANY: E-Tech Research, Inc. ADDRESS: 3525 Ryder Street Santa Clara, CA 95051 U.S.A. PHONE: 1-408-730-1388 FAX: 1-408-730-2488	ADAPTER NAME: Bullet Modem Model #PS2400M SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 7222 BUS MASTER: NO AVAILABLE: 10/90 DESCRIPTION: 2400 baud V.22bis modem with MNP™ 5 data compression, effective throughput error free at 4800 bps.
	ADAPTER NAME: Bullet Modem Model #PS9696M SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 7226 BUS MASTER: NO AVAILABLE: 10/90 DESCRIPTION: 9600 baud V.32 modem with MNP™ 5 data compression, with 19.2K bps throughput.
COMPANY: Interex Data AB ADDRESS: Rissneleden 45 S-17244 Sundbyberg SWEDEN PHONE: 46-8-628-2828 FAX: 46-8-628-6414	ADAPTER NAME: IX22 Data/Fax Modem for IBM* Micro Channel* Architecture SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6A4E BUS MASTER: NO AVAILABLE: 2/92 DESCRIPTION: 9600 bps send and receive FAX, 2400 - 1200 - 300 - 75 bps data modem. MNP™ 2-5, MNP 10, V.42, V.42 bis error correction and data compression. "AT" and V.25 bis command sets, secure access with dial-back and remote configuration. Approved in several European countries. FAX software included. LAN FAX software available.
COMPANY: La Commande Electronique ADDRESS: P.O. Box 62 27120 Douains FRANCE PHONE: 33-32-64-63-62 FAX: 33-32-64-63-63	ADAPTER NAME: LCE-123 S SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6B74 BUS MASTER: YES AVAILABLE: 6/88 DESCRIPTION: Asynchronous modem board with CCITT V21, V22, V23 modes for the PS/2* Model 50, 60 and 80 computers. Compatible with Bell™ 212A, Bell 103 and Hayes protocols.
	ADAPTER NAME: LCE-124 S2 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6B74 BUS MASTER: YES AVAILABLE: 5/91 DESCRIPTION: Asynchronous modem board with CCITT V21, V22, V22 bis, V23 modes for the PS/2* Model 50, 60 and 80 computers. Compatible with Bell™ 212A, Bell 103 and Hayes™ protocols.
	ADAPTER NAME: LCE 125S SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6B74 BUS MASTER: YES AVAILABLE: 3/91 DESCRIPTION: Synchronous / asynchronous modem board with CCITT V21, V22, V22 bis, V23 modes, MNP™ 4-5 and V42/V42 bis for error correction and compression and Bell™ 212A, Bell 103 and Hayes™ protocol compatible.

Part 2. IOV Adapters — Listings by Category

Communication: Modem (Continued)

COMPANY: La Commande Electronique
ADDRESS: P.O. Box 62
27120 Douains
FRANCE
PHONE: 33-32-64-63-62
FAX: 33-32-64-63-63

ADAPTER NAME: LCE-TEL 2 S
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6B74
BUS MASTER: YES
AVAILABLE: 10/89
DESCRIPTION: Asynchronous modem board with CCITT V23 mode for the PS/2* Model 50, 60 and 80 computers. Compatible with Hayes™ protocols.

COMPANY: LASAT A/S
ADDRESS: Svenstrup Skolevej 27
DK-9230 Svenstrup
DENMARK
PHONE: 45-98-38-28-22
FAX: 45-98-38-27-22

ADAPTER NAME: LASAT PSM24
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6B7E
BUS MASTER: NO
AVAILABLE: 6/88
DESCRIPTION: Internal 2400 bit per second asynchronous full-size modem adapter for all IBM* PS/2* computers. LASAT PSM24 complies with the CCITT V.22 bis, V.22, V.21 and Bell™ 103/212A standards. Compatible with "AT" and V.25 bis command sets. Configurable as COM1 through COM10.

ADAPTER NAME: LASAT PSM24P
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6B7E
BUS MASTER: NO
AVAILABLE: 2/89
DESCRIPTION: Internal 2400 bit per second asynchronous half-size modem adapter for all IBM* PS/2* computers, including the P70 and P75 models. LASAT PSM24P complies with the CCITT V.22 bis, V.22, V.21 and Bell™ 103/212A standards. Compatible with "AT" and V.25 bis command sets. Configurable as COM1 through COM10.

ADAPTER NAME: LASAT PSM24Plus
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6B7E
BUS MASTER: NO
AVAILABLE: 3/89
DESCRIPTION: Internal 2400 bit per second asynchronous full-size modem adapter with MNP™ 1-5 for all IBM* PS/2* computers. LASAT PSM24Plus complies with the CCITT V.22 bis, V.22, V.21 and Bell™ 103/212A standards. Compatible with "AT" and V.25 bis command sets. Configurable as COM1 through COM10.

ADAPTER NAME: LASAT PSM24Prestige
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 61E8
BUS MASTER: NO
AVAILABLE: 7/91
DESCRIPTION: Internal 2400 bit per second asynchronous / synchronous full-size modem adapter with V.42/V.42 bis and MNP™ 1-5 for all IBM* PS/2* computers. LASAT PSM24Prestige complies with the CCITT V.22 bis, V.22, V.23, V.21 and Bell™ 103/212A standards. Features on-board multi-protocol interface.

ADAPTER NAME: LASAT PSM96Plus
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 61E8
BUS MASTER: NO
AVAILABLE: 7/91
DESCRIPTION: Internal 9600 bit per second asynchronous full-size modem adapter with V.42/V.42 bis and MNP™ 1-5 for all IBM* PS/2* computers. LASAT PSM96Plus complies with the CCITT V.32 bis, V.22 bis, V.22, V.23, V.21 and Bell™ 103/212A standards. Features MultiCom facilities, i.e. remote modem management.

Part 2. IOV Adapters — Listings by Category

Communication: Modem (Continued)

COMPANY: LASAT A/S ADDRESS: Svenstrup Skolevej 27 DK-9230 Svenstrup DENMARK PHONE: 45-98-38-28-22 FAX: 45-98-38-27-22	ADAPTER NAME: LASAT PSM96Prestige SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 61E8 BUS MASTER: NO AVAILABLE: 7/91 DESCRIPTION: Internal 9600 bit per second asynchronous / synchronous full-size modem adapter with V.42/V.42 bis and MNP™ 1-5 for all IBM® PS/2* computers. LASAT PSM96Prestige complies with the CCITT V.32, V.22, V.22, V.23, V.21 and Bell™ 103/212A standards. Features on-board multi-protocol facilities.
COMPANY: LONGSHINE ELECTRONIC CO. ADDRESS: 6F, 245, Sec. 3, Roosevelt Road Taipei TAIWAN, Republic of China PHONE: 886-2-363-4958 FAX: 886-2-362-6810	ADAPTER NAME: Shine Modem Card (LCS-8824B/II) SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 65F3 BUS MASTER: NO AVAILABLE: 4/89 DESCRIPTION: A 2400 bps smart modem card. It is compatible with Hayes™ asynchronous modem and V.22/22 bis, Bell™ 103/212A, 300/1200/2400 standard. It works effectively with Smartcom™, Bitcom, ProComm™, Crosstalk™, PCTalk, Freeway and LS-Talk software.
COMPANY: MicroGate Corporation ADDRESS: 9501 Capital of Texas Highway Suite 105 Austin, TX 78759 U.S.A. PHONE: 1-512-345-7791 / 1-800-444-1982 FAX: 1-512-343-9046	ADAPTER NAME: MG144 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 7202 BUS MASTER: NO AVAILABLE: 2/92 DESCRIPTION: 14,400 bps V.32bis/V.42bis modem adapter with Group 3 send/receive FAX and SDLC options. V.42bis boosts throughput to 57,600 bps. SDLC option is compatible with IBM® Personal System/2* Multi-Protocol Adapter/A and runs IBM SDLC software, including Personal Communications/3270, AS/400* PC support, and OS/2* Extended Services Communications Manager computer software.
	ADAPTER NAME: MG96 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 7202 BUS MASTER: NO AVAILABLE: 2/92 DESCRIPTION: 9600 bps V.32/V.42bis modem adapter with Group 3 send/receive FAX and SDLC options. V.42bis boosts throughput to 38,400 bps. SDLC option is compatible with IBM® Personal System/2* Multi-Protocol Adapter/A and runs IBM SDLC software, including Personal Communications/3270, AS/400* PC support, and OS/2* Extended Services Communications Manager computer software.
	ADAPTER NAME: SV32 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 7400 BUS MASTER: NO AVAILABLE: 11/89 DESCRIPTION: Integrated SDLC adapter and 9600 bps V.32 modem. Compatible with the IBM® Multi-Protocol Adapter/A for SDLC communications. Fits in the short slot of PS/2* model P70 and P75 computers. Runs IBM SNA connectivity software, including Personal Communications/3270, AS/400* PC support, and OS/2* EE Communications Manager computer software.
	ADAPTER NAME: SyncLink™ 2400/2 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 7300 BUS MASTER: NO AVAILABLE: 3/88 DESCRIPTION: 2400 bps Bell™ 201-compatible synchronous modem card with auto-dial, auto-answer. Supported by MicroGate™ synchronous communications software for 2780/3780 BSC and 3270 BSC/SNA terminal emulation.

Five Great Communications Adapters for IBM® PS/2® Computers

MG144 V.32bis/V.42bis Modem Adapter

- 14,400 bps sync/async
- V.42/V.42bis, throughput to 57,600 bps; also MNP[®]2-5
- SDLC option features compatibility with IBM Multiprotocol Adapter/A; runs standard IBM SDLC software (OS/2[®] Communications Manager, DOS)
- Fax option supports send/receive fax, includes software

MG96 V.32/V.42bis Modem Adapter

- 9600 bps sync/async
- V.42/V.42bis, throughput to 38,400 bps; also MNP[®]2-5
- SDLC option features compatibility with IBM Multiprotocol Adapter/A; runs standard IBM SDLC software (OS/2[®] Communications Manager, DOS)
- Fax option supports send/receive fax, includes software

SV32 SDLC V.32 Modem Adapter

- SDLC adapter with 9600 bps V.32 modem
- Compatible with IBM Multiprotocol Adapter/A; runs standard IBM SDLC software (OS/2, DOS)
- Turbo model compatible with IBM Model 7855 V.32 modem for 12,000 bps SDLC
- Fits in short slot of PS/2 Models P70, P75 computers

Unified Serial Adapter

- SDLC/async adapter with SDLC autodial port
- Compatible with IBM Multiprotocol Adapter/A; runs standard IBM SDLC software (OS/2, DOS)
- Connects to external modem or DSU/CSU via RS232
- Speeds to 57,600 bps

SyncLink[®] Modem Card

- 4800/2400 bps synchronous modem (BSC, SDLC)
- Compatible with Bell[®] 208-201
- 2780/3780/3270 BSC emulation software available
- BSC Services software for OS/2 (BSC2) available

For more information on these and other quality MicroGate[®] communications products, call toll-free (800) 444-1982; outside the U.S. call (512) 345-7791. Products shown are also available in AT[®]-bus versions.

Featuring
Rockwell
Modem Technology

MICROGATE[®]



MicroGate and SyncLink are trademarks of MicroGate Corp.; IBM, AT, PS/2, OS/2 and Micro Channel are trademarks of IBM Corp.; other trademarks are the property of their respective owners.

Part 2. IOV Adapters — Listings by Category

Communication: Modem (Continued)

COMPANY: MicroGate Corporation ADDRESS: 9501 Capital of Texas Highway Suite 105 Austin, TX 78759 U.S.A. PHONE: 1-512-345-7791 / 1-800-444-1982 FAX: 1-512-343-9046	ADAPTER NAME: SyncLink™ 4824/2 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 7300 BUS MASTER: NO AVAILABLE: 4/88 DESCRIPTION: 4800/2400 bps Bell™ 208-201-compatible synchronous modem card with auto-dial, auto-answer. Supported by MicroGate™ communications software for 2780/3780 BSC and 3270 BSC/SNA terminal emulation.
COMPANY: Multi-Tech Systems, Inc. ADDRESS: 2205 Woodale Drive Mounds View, MN 55112 U.S.A. PHONE: 1-612-785-3500 / 1-800-328-9717 FAX: 1-612-785-9874	ADAPTER NAME: Multimodem 224E55 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 601C BUS MASTER: NO AVAILABLE: 5/88 DESCRIPTION: 2400/1200/300 bps internal modem card for IBM* PS/2* Model 50, 60 and 80 computers. Includes a choice of ProComm™ or MultiEXPRESS™ software. Has V.42 error correction, MNP™ 5 data compression, and speed conversion.
	ADAPTER NAME: Multimodem 224ES7B SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 601C BUS MASTER: YES AVAILABLE: 3/91 DESCRIPTION: 2400/1200/300 bps; CCITT/Bell™ standard protocol with V.42 bis/MNP™ 5 data compression; V.42 error correction for PS/2* Model 50, 60 and 80 computers. Includes a choice of ProComm™ or MultiEXPRESS™ software.
COMPANY: OLITEC ADDRESS: BP 592 54009 Nancy Cedex FRANCE PHONE: 33-83-21-95-15 FAX: 33-83-29-00-57	ADAPTER NAME: OLITEC PS 2400 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6A57 BUS MASTER: NO AVAILABLE: 1/90 DESCRIPTION: Plug in modem card compatible with the Micro Channel* bus. Compatible with CCITT V21, V22, V22 bis, V23, V25 and Bell™ 103, 212A standards. Supports MNP™ 4, V42 error correction and MNP 5, V42 bis data compression, full "AT" command set and extended command set. Autodial, autoanswer. Data terminal rate from 300 to 19200 bps. Non-volatile storage of 2 profiles, 2 call sequences, and much more.
	ADAPTER NAME: OLITEC PS V32 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6A57 BUS MASTER: NO AVAILABLE: 3/91 DESCRIPTION: Plug-in modem card for Micro Channel* bus. Compatible with CCITT V21, V22, V22bis, V23, V32, V25 and Bell™ 103, 212A standards. Supports MNP™ 4; V42 error correction and MNP 5, V42bis data compression, full "AT" command set and extended command set. Autodial, autoanswer. Data terminal rate from 75 to 38400 bps. Non-volatile storage of 3 profiles, 4 call sequences, and much more.
	ADAPTER NAME: OLITEC PS V32bis SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6A57 BUS MASTER: NO AVAILABLE: 3/91 DESCRIPTION: Plug-in modem card for Micro Channel* bus. Compatible with CCITT V21, V22, V22bis, V23, V32, V32bis, V25 and Bell™ 103, 212A standards. Supports MNP™ 4; V42 error correction and MNP 5, V42bis data compression, full "AT" command set and extended command set. Autodial, autoanswer. Data terminal rate from 75 to 38400 bps. Non-volatile storage of 3 profiles, 4 call sequences, and much more.

Part 2. IOV Adapters — Listings by Category

Communication: Modem (Continued)

COMPANY: Polytechnic South West Satellite Centre ADDRESS: Drake Circus Plymouth, Devon PL4 8AA UNITED KINGDOM PHONE: 44-(0)752-232-500 FAX: 44-(0)752-233-159	ADAPTER NAME: Satellite Data Sub-Carrier Modem SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 50EC BUS MASTER: NO AVAILABLE: 12/91 DESCRIPTION: A low cost 100KB/second satellite data modem utilising a 7.2MHz data sub-carrier on a satellite TV channel (NTSC, PAL, SECAM). Interfaces to a standard satellite TV receiver. Software included receives and displays DOS files.
COMPANY: Practical Peripherals, Inc. ADDRESS: 31245 La Baya Drive Westlake Village, CA 91362 U.S.A. PHONE: 1-818-706-0333 / 1-800-442-4774 FAX: 1-818-706-2474	ADAPTER NAME: Practical Modem 2400 for IBM* PS/2* Computers SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6FCB BUS MASTER: NO AVAILABLE: 2/89 DESCRIPTION: A 2400 bps modem fully 100% compatible with Hayes™ modem for the Micro Channel* bus. It is manufactured in the U.S.A. and comes with a lifetime warranty. ProComm™ software included.
COMPANY: Psion-Dacom Plc ADDRESS: Dacom House, Presley Way Crownhill Milton Keynes MK8 0EF UNITED KINGDOM PHONE: 44-(0)908-261-686 FAX: 44-(0)908-261-688	ADAPTER NAME: Unity Gold 2+ SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6AE7 BUS MASTER: NO AVAILABLE: 1/90 DESCRIPTION: 2400/1200/300bps Hayes™-compatible Quad standard internal modem with MNP™ 5 and V42 as standard protocol. CCITT V22bis, V22, V23 and V21 supported. Send FAX facility as option. Full BAPT approval in U.K.
COMPANY: Pultek Corp. ADDRESS: 2-22-18 Katsubo Zushi-C Kanagawa JAPAN 249 PHONE: 81-45-661-3550 FAX: 81-45-661-3551	ADAPTER NAME: G3 FAX Board SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 8061 BUS MASTER: NO AVAILABLE: 3/90 DESCRIPTION: 4800 bps G3 FAX; MH, MR, MMR compression and expansion processor; 64KB line buffer; on-board local CPU; supports DMA; OS/2* computer software driver included.
COMPANY: R.P.T. Intergroups International Ltd. ADDRESS: 9F, No. 50 Ming Chuan Road Hsin Tien Taipei TAIWAN, Republic of China PHONE: 886-2-918-3006 FAX: 886-2-918-3096	ADAPTER NAME: TM-2400M SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6280 BUS MASTER: NO AVAILABLE: 9/88 DESCRIPTION: Add-on modem compatible with Hayes™, Bell™ 103/212A, CCITT V.21/V.22/V.22 bis modem standards.
COMPANY: SYNAPTEL ADDRESS: 13, avenue Morane Saulnier 78140 Velizy FRANCE PHONE: 33-1-30-67-17-00 FAX: 33-1-34-65-39-13	ADAPTER NAME: SYNMOD Compact/PS SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO POS ID: 584D BUS MASTER: NO AVAILABLE: 4/92 DESCRIPTION: Async / SDLC / HDLC / BSC adapter with modem. Conforms to V29, V27ter, V26bis, V22bis, V22, V23 and V21. Autodial, autoanswer. Also features an RS232C output for connection to X.25 networks or leased-line modems.
	ADAPTER NAME: SYNMOD/PS SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO POS ID: 584C BUS MASTER: NO AVAILABLE: 1/90 DESCRIPTION: HDLC, SDLC, BSC, async (COM2 to COM4) adapter. Compatible with IBM* Personal System/2* Multi-Protocol Adapter/A. Includes an autodial, autoanswer modem conforming to V27ter, V26bis, V23, V22, and V21. Also features an RS232C output for connection to X.25 networks or leased-line modems.

Part 2. IOV Adapters — Listings by Category

Communication: Modem (Continued)

COMPANY: Sysnet S.P.A.
ADDRESS: Via Berbera 49
I 20162 Milano
ITALY
PHONE: 39-2-647-3021
FAX: 39-2-643-7637

ADAPTER NAME: Modem Fonico R.C. Sysnet SMF-22
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6ACF
BUS MASTER: NO
AVAILABLE: 12/89
DESCRIPTION: V.21 and V.22 300/1200 dial-up modem for asynchronous and synchronous data featuring "AT" command set, error correction and compression, MNP™ compatible levels 2, 3, 4, and 5. External V.24 synchronous interface for synchronous emulation.

COMPANY: TELEWARE S.r.l.
ADDRESS: Via Zuccarini n.13
Ancona 60020
ITALY
PHONE: 39-071-286-6656
FAX: 39-071-286-6417

ADAPTER NAME: SY123/C
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6A27
BUS MASTER: NO
AVAILABLE: 12/88
DESCRIPTION: Synchronous/asynchronous 300-1200 bit/second full duplex, 1200 bit/second half duplex, 1200-75/75-1200 bit/second modem conforming to CCITT V21/V22/V23, Bell™ 103, Bell 212A protocols. Autocalling and autoanswering compatible with CCITT V25 BIS and Hayes™ command set. Error Correction and compression conforming to MNP™ 4/5. Approved for use in Italy by I.S.P.T.

ADAPTER NAME: SY132B
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6A27
BUS MASTER: NO
AVAILABLE: 4/90
DESCRIPTION: Synchronous/asynchronous 300-1200-2400 bit/second full duplex, 1200 bit/second half duplex, 1200-75/75-1200 bit/second conforming to CCITT V21/V22/V23/V22BIS, Bell™ 103, Bell 212A protocols. Autocalling and autoanswering compatible with V25BIS and Hayes™ command set. Error correction and compression conforming to MNP™ 4/5. Approved for use in Italy by I.S.P.T.

ADAPTER NAME: SY132BF
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6A27
BUS MASTER: NO
AVAILABLE: 6/90
DESCRIPTION: Data/FAX modem synchronous/asynchronous 300-1200-2400 bps full duplex, 1200 bps half duplex, 1200-75/75-1200 bps conforming to CCITT V21/V22/V23/V22BIS, Bell™ 103, Bell 212A protocols. Synchronous half duplex conforming to CCITT V29, V27TER, T30, T4 and T3. Compatible with Group 3 facsimile. Error correction and compression conforming to MNP™ 4/5. Approved for use in Italy by I.S.P.T.

ADAPTER NAME: SY22BS
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6A27
BUS MASTER: NO
AVAILABLE: 6/90
DESCRIPTION: Synchronous / asynchronous 300-1200-2400 bps full duplex, conforming to CCITT V21/V22/V22 bis, Bell™ 103 Bell 212A protocols. Autocalling and autoanswering compatible with CCITT V25 bis and Hayes™ command set. Error correction and compression conforming to MNP™ 4/5 protocols. Approved for use in Italy by I.S.P.T.

COMPANY: Telindus Distribution S.A.
ADDRESS: rue de Coquelet, 134
B-5000 Namur
BELGIUM
PHONE: 32-81-23-11-10
FAX: 32-81-22-40-00

ADAPTER NAME: PCTEX™-4 MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6B5E
BUS MASTER: NO
AVAILABLE: 6/88
DESCRIPTION: V.24/V.23/V.22/V.22 bis modem, async and sync, MNP™ 5 support. BSC, 3270 X.25 software without additional hardware. Modem sharing on LAN and Videotex emulation available.

Part 2. IOV Adapters — Listings by Category

Communication: Modem (Continued)

COMPANY: Telindus Distribution S.A.
ADDRESS: rue de Coquelet, 134
B-5000 Namur
BELGIUM
PHONE: 32-81-23-11-10
FAX: 32-81-22-40-00

ADAPTER NAME: Quintet-MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6A73
BUS MASTER: NO
AVAILABLE: 10/90
DESCRIPTION: V32bis/V32/V22bis/V22/V23/V21 modem, async and sync. MNP™ 5 and V42bis support. BSC, 3270, 5250, X.25 software without additional hardware. FAX transmission capabilities (V29, V27ter, EIA Class II command set).

COMPANY: UDS Motorola
ADDRESS: 5000 Bradford Drive
Huntsville, AL 35805-1953
U.S.A.
PHONE: 1-205-430-8000
FAX: 1-205-726-0617

ADAPTER NAME: Fastalk™ 2/1200
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6DE4
BUS MASTER: NO
AVAILABLE: 9/88
DESCRIPTION: Plug-in modem card compatible with Micro Channel* bus products; 1200 and 0-300 bps; compatible with Bell™ 212 and 103 modems.

ADAPTER NAME: Fastalk™ 2/2400
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6DE3
BUS MASTER: NO
AVAILABLE: 9/88
DESCRIPTION: Plug-in modem card compatible with Micro Channel* bus products; 2400, 1200 and 0-300 bps; compatible with CCITT V.22 bis and Bell™ 212 and 103 modems.

ADAPTER NAME: Fastalk™ 2/2400/5
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6DE3
BUS MASTER: NO
AVAILABLE: 2/89
DESCRIPTION: Plug-in modem card compatible with Micro Channel* bus products; 2400, 1200 and 0-300 bps; compatible with CCITT V.22 bis and Bell™ 212 and 103 modems. Supports error correction and data compression compatible with MNP™ service class 3, 4 and 5.

ADAPTER NAME: Fastalk™ V.32/42b
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6DD4
BUS MASTER: NO
AVAILABLE: 11/90
DESCRIPTION: Internal V.32 modem, 9600, 2400, 1200 and 300 bps for asynchronous communications using V.42 error correction and V.42 bis data-compression allowing data rates up to 38,400 bps.

ADAPTER NAME: Sync-Up™ 2/201
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6DD6
BUS MASTER: NO
AVAILABLE: 10/88
DESCRIPTION: Single card emulator and modem providing autodialing communication with a mainframe, System/36, System/38 and AS/400* minicomputer over dial-up lines; synchronous operation at 2400 bps and compatible with Bell™ 201 modem.

ADAPTER NAME: Sync-Up™ 2/201/212
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6DE6
BUS MASTER: NO
AVAILABLE: 10/88
DESCRIPTION: Single card emulator and modem providing autodialing communication with a mainframe, System/36, System/38 and AS/400* minicomputer over dial-up lines; synchronous operation at 2400 bps, compatible with Bell™ 201 modem, asynchronous at 0-1200 bps, 212A.

Part 2. IOV Adapters — Listings by Category

Communication: Modem (Continued)

COMPANY: UDS Motorola
ADDRESS: 5000 Bradford Drive
Huntsville, AL 35805-1953
U.S.A.
PHONE: 1-205-430-8000
FAX: 1-205-726-0617

ADAPTER NAME: Sync-Up™ 2/208/201
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6DE7
BUS MASTER: NO
AVAILABLE: 12/88
DESCRIPTION: Single card emulator and modem providing autodialing communication with a mainframe, System/36, System/38 and AS/400™ minicomputer over dial-up lines; synchronous operation at 4800 and 2400 bps, compatible with Bell™ 208 and 201 modems.

ADAPTER NAME: Sync-Up™ 2/V22 bis
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6DE5
BUS MASTER: NO
AVAILABLE: 9/88
DESCRIPTION: Single card emulator and modem providing autodialing communication with a mainframe, System/36, System/38 and AS/400™ minicomputer over dial-up lines; CCITT compatibility for 2400, 1200 and 0-300 bps.

ADAPTER NAME: Sync-Up™ 2/V.32/42bis
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6DE2
BUS MASTER: NO
AVAILABLE: 11/88
DESCRIPTION: Single card emulator and modem providing autodialing communication with a mainframe or System/36 or System/38 minicomputer over dial-up lines; 9600 bps V.32 and 2400, 1200, and 0-300 bps. V.22 bis compatibility. Asynchronous communications using V.42 error correction and V.42 bis data compression allowing data rates up to 38,400 bps.

COMPANY: Ven-Tel Inc.
ADDRESS: 2121 Zanker Road
San Jose, CA 95131-2177
U.S.A.
PHONE: 1-408-436-7400 / 1-800-538-5121
FAX: 1-408-436-7451

ADAPTER NAME: 24/2E Internal Modem
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 1185
BUS MASTER: NO
AVAILABLE: 6/88
DESCRIPTION: Internal 2400 bps modem with MNP™ service levels and X.PC error correction, MNP-5 compression, "AT" dialer, 5-year warranty. Two products available: MCM-24E/NS without software and MCM-24E that includes Crosstalk™ XVI communications software.

ADAPTER NAME: 24/2 Internal Modem
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 1185
BUS MASTER: NO
AVAILABLE: 11/87
DESCRIPTION: Internal 2400 bps modem, "AT" dialer, 5-year warranty. Two products available: MCM-24/NS without software and MCM-24 that includes Crosstalk™ XVI communications software.

COMPANY: XYNOX Technology AB
ADDRESS: Stenhuggarv. 1
S-132 38 Saltsjo-Boo
SWEDEN
PHONE: 46-(0)8-747-20-30
FAX: 46-(0)8-747-09-35

ADAPTER NAME: V3270
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6A13
BUS MASTER: NO
AVAILABLE: 11/90
DESCRIPTION: V.32bis/V.32/V.27ter/V.22bis dial-up synchronous modem. Half size board. Fits in PS/2™ Model P70 computer also. With integrated full featured 3270 SDLC/SNA multi-session terminal and printer emulation plus file transfer software. Full APL-2 support. IBM™ EEHLAPI compatible. Also available in V.26bis/V.27ter/201C/208B version.

Part 2. IOV Adapters — Listings by Category

Communication: Multiprotocol

COMPANY: Au-Systems Communication AB
ADDRESS: Box 44
S-121 21 Johanneshov
SWEDEN
PHONE: 46-(0)8-726-7500
FAX: 46-(0)8-912-995

ADAPTER NAME: MUNIN/2
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 6B19
BUS MASTER: NO
AVAILABLE: 10/89
DESCRIPTION: Independent 80188-16 with up to 10 MB parity DRAM, 2 4Mbits/second USARTs, 256KB NVRAM, RTClock, duplex 2MBytes/second FIFO, expansion bus. V24, HDLC, X.25 FIFO drivers for DOS or UNIX™ operating systems. Multitasking operating system available for PC or card. Card applications can be developed in the PC.

COMPANY: ComTech International, Inc.
ADDRESS: P.O. Box 722
98 Wintonbury Avenue
Bloomfield, CT 06002
U.S.A.
PHONE: 1-203-286-8440
FAX: 1-203-286-8218

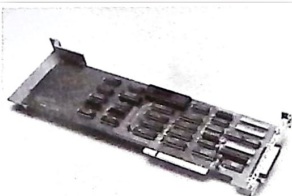
ADAPTER NAME: Channel/2™
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6487
BUS MASTER: YES
AVAILABLE: 9/89
DESCRIPTION: Intelligent gateway for NetBIOS LANs with 2 channels. Supports up to 384 concurrent sessions over SDLC and / or X.25 communication line speeds of up to 64K bps on separate channels. LIM EMS 4.0 support for workstations.

ADAPTER NAME: Channel/2 Plus™
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 0056
BUS MASTER: YES
AVAILABLE: 6/90
DESCRIPTION: 80286-based advanced gateway multi-plexer for NetBIOS LANs with 2 independent communication channels — high-speed channel with RS-422 interface supports up to 2MB/second; low-speed channel with RS-232 interface supports up to 64KB/second. The hardware conducts all the SSCP-PU sessions with the host and appears as a multiple PU Cluster Controller. Supports up to 16 PU addresses and multiple host communications concurrently.

COMPANY: Digital Communications Associates, Inc.
ADDRESS: 1000 Alderman Drive
Alpharetta, GA 30202-4199
U.S.A.
PHONE: 1-404-442-4000 / 1-800-241-4762
FAX: 1-404-442-4399

ADAPTER NAME: DCA™ Intelligent Synchronous Communications Adapter (ISCA)
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6E7C
BUS MASTER: NO
AVAILABLE: 1/89
DESCRIPTION: DCA™ ISCA™ uses SDLC or X.25 to connect stand-alone PCs and LAN PCs to SNA networks. ISCA's on-board microprocessor and memory free the PC processor for other tasks. Compatible with DCA/Microsoft™ Select™ Comm Workstation and Comm Server (SDLC/X.25), and DCA IRMALAN™ (SDLC) and IRMALAN for NetWare™ (SDLC) software.

GMM Sync/2™ Dual Port RS232



- Standard full-slot card.
- Low-cost, High performance.
- 25 Pin D-Sub connector
- Two Sync/Async ports.
- Programmable data rates to 19.2Kbps
- Uses 8530 SCC chip
- DTE / DCE jumper configurable (built-in NULL modem).
- Upwardly compatible with PC bus version (GMM Sync)

Extremely Competitive Pricing
Evaluation Units Available
Call For Additional Information

18092 Sky Park South Unit E
Irvine, CA 92714

TEL: (714) 752-9447
FAX: (714) 752-7335

GMM 
GMM Research Corporation

Part 2. IOV Adapters — Listings by Category

Communication: Multiprotocol (Continued)

COMPANY: Eicon Technology Corporation
ADDRESS: 2196 32nd Avenue (Lachine)
Montreal, Quebec H8T 3H7
CANADA
PHONE: 1-514-631-2592
FAX: 1-514-631-3092

ADAPTER NAME: EiconCard™ 1MB
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 6E6E
BUS MASTER: NO
AVAILABLE: 9/90
DESCRIPTION: An intelligent communications adapter that features: MC68008 CPU at 10MHz, 1MB of RAM, V.24/RS-232 interface, line speeds up to 64Kbps, 40 to 50 packets per second, X.25/SDLC/frame relay, 3270/5250/APPC, ASCII emulations.

ADAPTER NAME: EiconCard HSI/MC™ 1MB
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 6E6E
BUS MASTER: NO
AVAILABLE: 9/90
DESCRIPTION: An intelligent communications adapter featuring an MC68000 CPU at 16MHz and 1MB of RAM, with one V.24/V.35/V.11 interface. Up to 220 pps in 128 byte packets, 384K bps line speed on V.35 with an external clock or up to 180K bps full duplex sustained.

ADAPTER NAME: Multi-Port Network Adapter/MC™ 2MB
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 6E6E
BUS MASTER: NO
AVAILABLE: 9/90
DESCRIPTION: An intelligent communications adapter featuring an MC68000 CPU at 16MHz and 2MB of RAM plus 2-, 3- or 4-port synchronous serial interface depending on configuration. Throughput up to 200 pps total in 128 byte packets, up to 256K bps full duplex sustained.

COMPANY: Frontier Technologies Corporation
ADDRESS: 10201 North Port Washington Road
Mequon, WI 53092
U.S.A.
PHONE: 1-414-241-4555
FAX: 1-414-241-7084

ADAPTER NAME: AdCom2-1
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 605E
BUS MASTER: NO
AVAILABLE: 2/88
DESCRIPTION: An intelligent communication controller with an on-board 80188 CPU. Supports multiple protocols including Async, Sync, Bisync, HDLC/SDLC, and X.25. This single board meets the bus requirements and form factors of the IBM* PS/2* computers with the Micro Channel* bus architecture. Frontier provides software for X.25 (either network interface or API) which is downloaded to the AdCom2-1.

COMPANY: GE Fanuc Automation, North America, Inc.
ADDRESS: P.O. Box 8106
Charlottesville, VA 22906
U.S.A.
PHONE: 1-804-978-5327 / 1-800-432-2621
FAX: 1-804-978-5102

ADAPTER NAME: (IC640WM1920) GE Fanuc Series 90 Work Station Interface
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5047
BUS MASTER: NO
AVAILABLE: 7/89
DESCRIPTION: The WS9A1 is a GE Fanuc Series 90 Work Station Interface. This adapter provides communications between an IBM* PS/2* computer and a GE Fanuc Series 90 programmable logic controller.

ADAPTER NAME: IC647WM1620 GE Fanuc Series 6 Work Station Interface
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: NONE (for industrial system)
BUS MASTER: NO
AVAILABLE: 9/89
DESCRIPTION: The WS6A1 is a GE Fanuc Series 6 Work Station interface. This adapter provides communications between an IBM* PS/2* computer and a Series 6 Programmable Logic Controller.

COMPANY: GMM Research Corporation
ADDRESS: 18092 Sky Park South
Suite D-E
Irving, CA 92714
U.S.A.
PHONE: 1-714-752-9447
FAX: 1-714-752-7335

ADAPTER NAME: GMM™ Sync/2**
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 61B0
BUS MASTER: NO
AVAILABLE: 6/89
DESCRIPTION: A low cost, dual channel, synchronous and asynchronous serial communications card for the IBM* PS/2* computers with the Micro Channel* bus.

Part 2. IOV Adapters — Listings by Category

Communication: Multiprotocol (Continued)

COMPANY: Goerlitz Computerbau GmbH
ADDRESS: P.O. Box 852
Trierer Strasse 59
D-5400 Koblenz
FEDERAL REPUBLIC OF GERMANY
PHONE: 49-261-2044
FAX: 49-261-27500

ADAPTER NAME: GTX-TC for IBM* PS/2* Computers
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6FAB
BUS MASTER: NO
AVAILABLE: 2/91
DESCRIPTION: Intelligent serial I/O adapter with downloadable multiprotocol operating system designed for telemetry networks, V.24 and X.21 interface, ZZF approval (Germany) A 012 390 B.

COMPANY: INCAA Datacom B.V.
ADDRESS: P.O. Box 211
7300 AE Apeldoorn
THE NETHERLANDS
PHONE: 31-055-551-262
FAX: 31-055-558-381

ADAPTER NAME: CCP-PS-V-6930
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 68EE
BUS MASTER: NO
AVAILABLE: 7/91
DESCRIPTION: QLLC/SNA and SDLC/SNA 3270 adaptor with 3278 and 3287 emulations (LU1, 2 and 3). Two concurrent sessions are supported enabling printer pass through. No PC processor and memory claim due to on-board processor. Additional software allows fully flexible keyboard configuration.

ADAPTER NAME: CCP-PS-V-6950
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 68EE
BUS MASTER: NO
AVAILABLE: 7/91
DESCRIPTION: SDLC/SNA and QLLC/SNA adapter with 3278/3287 emulation (LU1, 2 and 3) and file transfer based on 3770. Two concurrent sessions for SDLC, QLLC mode; each allow printer pass through. No PS/2* computer processor and memory claim due to on-board intelligent processor. Additional software allows fully flexible keyboard configuration.

COMPANY: Inometer AB
ADDRESS: Turebergsvaegen 5
S-19147 Sollentuna
SWEDEN
PHONE: 46-8-359-235
FAX: 46-8-929-870

ADAPTER NAME: PCX.21 /A Multi-protocol Communication Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 68FD
BUS MASTER: NO
AVAILABLE: 11/88
DESCRIPTION: Intelligent serial I/O co-processor communication card with X.21/X.27 and V.24/V.28 interfaces. Uses Intel™ 8274 MPSC, 8088 CPU, 24KB RAM and Inometer 82CX21A X.21 processor. Polled mode data control.

ADAPTER NAME: PCX.21 /N/A Multi-protocol Communication Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 684D
BUS MASTER: NO
AVAILABLE: 11/88
DESCRIPTION: Serial I/O communication card with X.21/X.27 and V.24/V.28 interfaces. Uses Intel™ 8274 MPSC and Inometer 82CX21A X.21 processor for full X.21 number selection. Polled or interrupt data control.

ADAPTER NAME: PCX.21 /P/A Multi-protocol Communication Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 6A65
BUS MASTER: NO
AVAILABLE: 7/90
DESCRIPTION: Serial I/O communication card with X.21/X.27 and V.24/V.28 interfaces. Uses AMD 85C30 SCC and Inometer 82CX21A X.21 processor for full X.21 number selection. Polled or interrupt data control.

COMPANY: INTER-IBEX AG
ADDRESS: Ueberlandstrasse 105
8600 Duebendorf
SWITZERLAND
PHONE: 41-1-821-66-08
FAX: 41-1-821-66-16

ADAPTER NAME: ibex™ ISC-Intelligent Serial Communication Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 69F9
BUS MASTER: NO
AVAILABLE: 5/91
DESCRIPTION: An intelligent communication controller with an 80186 CPU and 512KB RAM. Supports all async, sync and HDLC protocols. One port with RS-232, one port with RS-232, RS-422 or iHSS (Nixdorf).

Part 2. IOV Adapters — Listings by Category

Communication: Multiprotocol (Continued)

COMPANY: MicroGate Corporation ADDRESS: 9501 Capital of Texas Highway Suite 105 Austin, TX 78759 U.S.A. PHONE: 1-512-345-7791 / 1-800-444-1982 FAX: 1-512-343-9046	ADAPTER NAME: Unified Serial Adapter SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 7201 BUS MASTER: NO AVAILABLE: 3/91 DESCRIPTION: Half-size SDLC adapter with async auto-dial port. Cables to external sync/async modem, DSU/CSU, or other DCE via RS232. Supports line speeds to 57,600 bps. Compatible with IBM* Personal System/2* Multi-Protocol Adapter/A for SDLC communications. Runs IBM SDLC software, including Personal Communications/3270, AS/400* PC support, OS/2* Extended Services Communication Manager, and IBM LAN to LAN Wide Area Network Program computer software.
COMPANY: Micro-Matic Research n.v. ADDRESS: Ambachtenlaas 21 B5 B-3001 Heverlee BELGIUM PHONE: 32-16-22-60-42 FAX: 32-16-22-06-97	ADAPTER NAME: VTD Adapter SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 688D BUS MASTER: NO AVAILABLE: 6/87 DESCRIPTION: Expansion adapter for IBM* PS/2* computers with Micro Channel* architecture. Marketed with appropriate software as VTD/5 Multiprotocol Board for communication with BULL* mainframes and stand-alone operation and as VTD/X Gateway for communication with BULL environment in 71077800 terminal emulation.
COMPANY: Millennium Engineering, Inc. ADDRESS: 516 Cameo Terrace Chesapeake, VA 23320 U.S.A. PHONE: 1-804-548-8362	ADAPTER NAME: EON-1M Card SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - YES POS ID: 6299 BUS MASTER: NO AVAILABLE: 3/92 DESCRIPTION: Intelligent wide area network adapter with 16MHz 186 CPU, 1MB dual-ported RAM, single DUSCC channel with DMA support. RS-232 / V.35 and DTE / DCE operation automatically configured via cable selection. Handles character and bit oriented protocols up to 384Kbps.
COMPANY: NCR Corporation ADDRESS: Network Products Division 24700 Snelling Avenue North St. Paul, MN 55113 U.S.A. PHONE: 1-612-638-7685 / 1-800-225-5627 FAX: 1-612-638-7531	ADAPTER NAME: NCR StarWAN* Interface Adapter for IBM* Micro Channel* Architecture SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 0230 BUS MASTER: YES AVAILABLE: 3/92 DESCRIPTION: The NCR StarWAN Interface Adapter for the IBM* Micro Channel* architecture supports standard protocols (synchronous, SDLC and HDLC, bisynchronous and asynchronous) simultaneously. It provides three line interfaces with support for line speeds up to 38.4K bps FDX on each RS232 I/F and up to 1.544M bps on each V.35 I/F.
	ADAPTER NAME: NCR StarWAN* Multi-Protocol Communication Adapter/MC SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 704F BUS MASTER: NO AVAILABLE: 2/91 DESCRIPTION: The 16-bit multi-protocol adapter supports HDLC/SDLC, EBCDIC bisynch and asynch protocols at speeds from 1200 bps to 19.2K bps. Adapter uses an NCR micro-processor and provides 16K EPROM for protocol support and self-test. Adapter comes with built-in self-test and loop back test.
COMPANY: Newport Systems Solutions, Inc. ADDRESS: 4019 Westerly Place Suite 103 Newport Beach, CA 92660 U.S.A. PHONE: 1-714-752-1511 / 1-800-368-6533 FAX: 1-714-752-8389	ADAPTER NAME: Wide Area Network Interface Co-Processor (WNIC) SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 616A BUS MASTER: NO AVAILABLE: 3/90 DESCRIPTION: High performance, modular, multi-port communications adapter capable of supporting 2 T1 (1.544 Mbps); 2 CEPT (2.048 Mbps) or 4 fractional T1 up to 768 Kbps) circuits. Communications interfaces supported are V.35, RS-422, X.21 and RS-232.

Give us a ring,



we'll connect.

NCR StarLAN and StarWAN Network Adapters support
Token Ring, Ethernet, ISDN Basic Rate, and
Synchronous (SDLC/HDLC) network connections for Micro Channel® architecture.

**1-800-CALL NCR (1-800-225-5627)
for the right network connection.**

StarLAN and StarWAN Network Adapters are products of NCR Network Products Division.
Micro Channel® is a registered trademark of the IBM Corporation.

Part 2. IOV Adapters — Listings by Category

Communication: Multiprotocol (Continued)

COMPANY: Olicom A/S ADDRESS: Oeverroedvej 5 DK-2840 Holte DENMARK PHONE: 45-42-42-33-88 FAX: 45-42-42-56-65	ADAPTER NAME: OC-3146 WAN Adapter SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 0A87 BUS MASTER: YES AVAILABLE: 10/91 DESCRIPTION: Multi-protocol WAN bus master adapter for Olicom's remote, IBM compatible, Token-Ring bridge. Supports line speeds from 9.6Kbits per second to 2.048Mbits per second, powerful datacompression and fully integrated reporting to IBM network management products.
COMPANY: PDTS Ges.m.b.H. ADDRESS: Rainergasse 1/3 A-1040 Vienna AUSTRIA PHONE: 43-1-505-90-90 FAX: 43-1-505-90-903	ADAPTER NAME: HS-MPA-2 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 50F4 BUS MASTER: NO AVAILABLE: 10/91 DESCRIPTION: High-speed ASYNC / BISYNC / HDLC / SDLC adapter with 2 independent serial channels for data rates up to 4M bits per second.
COMPANY: Quatech, Inc. ADDRESS: 662 Wolf Ledges Parkway Akron, OH 44311 U.S.A. PHONE: 1-216-434-3154 / 1-800-553-1170 FAX: 1-216-434-1409	ADAPTER NAME: MPA-2000 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 5FDA BUS MASTER: NO AVAILABLE: 4/92 DESCRIPTION: Single channel RS-422/485 synchronous communication adapter. Software driver for BISYNC, SDLC and HDLC. Uses Intel™ 82530 or Zilog 85C3U chips.
COMPANY: Safetran Systems ADDRESS: 9271 Arrow Highway Cucamonga, CA 91730 U.S.A. PHONE: 1-714-987-4673 FAX: 1-714-466-4177	ADAPTER NAME: SCS-MC Communications Co-Processor SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6FB3 BUS MASTER: NO AVAILABLE: 7/91 DESCRIPTION: Dual ported, general purpose communications processor comprising Motorola 68302, 2MB RAM, real-time executive and debugger. 3X RS422/232 lines up to 256K baud synchronous/asynchronous.
COMPANY: Sangoma Technologies, Inc. ADDRESS: 7170 Warden Avenue Unit 2 Markham, Ontario L3R 8B2 CANADA PHONE: 1-416-476-1990 / 1-800-388-2475 FAX: 1-416-476-9223	ADAPTER NAME: SDLA-M SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO POS ID: 70CD BUS MASTER: NO AVAILABLE: 12/91 DESCRIPTION: General purpose co-processor adapter to support synchronous/asynchronous protocols such as SDLC, HDLC, and X.25.
COMPANY: Sealevel Systems Inc. ADDRESS: P.O. Box 830 Liberty, SC 29657 U.S.A. PHONE: 1-803-843-4343 FAX: 1-803-843-3067	ADAPTER NAME: ACB/MP (Advanced Communications Board/Multi-Protocol) SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 61D7 BUS MASTER: NO AVAILABLE: 4/92 DESCRIPTION: RS-232 / EIA-530 / V.35 synchronous multiprotocol communications adapter. Part #3310.
COMPANY: Siemens-Nixdorf Informationssysteme AG ADDRESS: Region Mitte, D21 Lyoner Strasse 27 W-6000 Frankfurt/Main 71 FEDERAL REPUBLIC OF GERMANY PHONE: 49-(0)69-6682-2811 FAX: 49-(0)69-6682-1020	ADAPTER NAME: START-Board SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 7822 BUS MASTER: YES AVAILABLE: 10/90 DESCRIPTION: An intelligent communication controller with an 80188 16MHz CPU and 1MB DRAM. Supports multiple protocols including async, sync, HDLC/SDLC and X.25. The adapter provides 6 ports (RS232C, SS81, a Centronics™ port, 2 V.24 and X.21). Siemens provides software for X.25, RS232C and MSV1, which is downloaded to the adapter by OS/2™ or SCO™ XENIX™ computer software.

Part 2. IOV Adapters — Listings by Category

Communication: Multiprotocol (Continued)

COMPANY: Sorcus Computer GmbH
ADDRESS: Tullastrasse 19

W-6900 Heidelberg
FEDERAL REPUBLIC OF GERMANY

PHONE: 49-(0)6221-302-002
FAX: 49-(0)6221-303-7696

ADAPTER NAME: ML3/C

SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 69E3

BUS MASTER: NO

AVAILABLE: 9/91

DESCRIPTION: Intelligent carrier board (local CPU with multi-tasking OS) for 3 piggy pack modules. Each module can contain e.g. 8 x RS-232, 485, 422, 20 mA. If powered externally (5 Volt), adapter continues operation even if PS/2* computer is switched off. PLC, DOS and UNIX** software drivers.

COMPANY: SOTEC GmbH & Co. KG

ADDRESS: Calwer Strasse 11
7261 Ostelsheim

FEDERAL REPUBLIC OF GERMANY

PHONE: 49-(0)70-33-47-01
FAX: 49-(0)70-33-44-995

ADAPTER NAME: PS Multiprot Adapter

SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 7803

BUS MASTER: NO

AVAILABLE: 1/91

DESCRIPTION: Adapter with eight asynchronous communication ports each line with module configurable as RS232 / RS422 / Current Loop, 80C188 Communication Processor with 256KB RAM on board, loadable communication programs. Available protocols: SEC21, 3964R, AMLU2, Buffered Send/Receive, and more.

COMPANY: TDT Francom
ADDRESS: 17 Quai Georges Clemenceau
Boujval 78380

FRANCE
PHONE: 33-1-39-69-55-41
FAX: 33-1-39-69-50-04

ADAPTER NAME: MPCA-PS

SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - YES
POS ID: 5849

BUS MASTER: NO

AVAILABLE: 8/91

DESCRIPTION: Multiprotocol communications adapter. Supports: ISDN, Manchester, HDLC, SDLC, BSC, X.25, Async. 3270 drivers, Bull drivers.

COMPANY: The Software Forge Ltd.
ADDRESS: 173 Basingstoke Road
Reading, Berks RG2 0HF
UNITED KINGDOM

PHONE: 44-734-312-477
FAX: 44-734-311-301

ADAPTER NAME: HWF-MC1

SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 689D

BUS MASTER: NO

AVAILABLE: 6/88

DESCRIPTION: Serial I/O communications card with X.21 and V.24 interfaces. Uses Zilog 8530 I/O chip. Data transferred under polled, interrupt driven or data control. Full duplex available via 2 separate DMA streams.

ADAPTER NAME: HWF-MC2

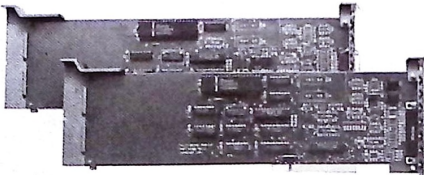
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 689C

BUS MASTER: NO

AVAILABLE: 6/88

DESCRIPTION: Serial intelligent I/O communications card with X.21 and V.24 interfaces. Uses Zilog 85230 SCC chip with either 512KB or 1MB RAM. On-board 16MHz 80186 co-processor chip. Polled, interrupt or DMA control. 32KB memory window to PS/2* computers.

SERIAL BOARDS



- RS-232 • RS-422 • ISOLATED RS-422
- RS-485 • V.35 • MIDI BOARD
- 20mA CURRENT LOOP
- ASYNC OR SYNCHRONOUS
- CALL FOR FREE CATALOG
- MADE IN USA

 **SEALEVEL**
COMMUNICATIONS & I/O

SEALEVEL SYSTEMS INCORPORATED • P.O. BOX 830 • LIBERTY, S.C. 29657

(803) 843-4343

FAX (803) 843-3067

Part 2. IOV Adapters — Listings by Category

Communication: Network — ARCNET** LAN

COMPANY: B.V. Neways R&D
ADDRESS: Duvendijk 1
5672 AD Nuenen
THE NETHERLANDS
PHONE: 31-40-83-83-05
FAX: 31-40-83-68-05

ADAPTER NAME: M6510 ARCNET** Adapter (Star)
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 688F
BUS MASTER: NO
AVAILABLE: 7/87
DESCRIPTION: Supports ARCNET** token passing protocol in star configuration. Tested and certified by Novell. Uses 2KB of system memory and no I/O address space. Uses RG-62U coax.

ADAPTER NAME: M6520 ARCNET** 4-port Internal Active Hub Master Controller
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 688F
BUS MASTER: NO
AVAILABLE: 8/89
DESCRIPTION: Combined 4-port active hub/master controller. Supports ARCNET** token passing network protocol. Tested and Certified by Novell. Uses 2KB system memory and 16 bytes I/O address space. M6530 adapter can be used to expand to 8-port active hub

ADAPTER NAME: M6550 16-bit ARCNET** Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6BC1
BUS MASTER: NO
AVAILABLE: 9/90
DESCRIPTION: 16-bit ARCNET** adapter for IBM* PS/2** computers with the Micro Channel* bus including boot ROM option and 2KB buffer star. BUS or twisted pair topology.

COMPANY: CNet Technology Inc.
ADDRESS: 2199 Zanker Road
San Jose, CA 95131
U.S.A.
PHONE: 1-408-954-8000 / 1-800-486-2638
FAX: 1-408-954-8866

ADAPTER NAME: CN190SBT/2
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 50CC
BUS MASTER: NO
AVAILABLE: 1/90
DESCRIPTION: High performance, turbo, 16-bit ARCNET** network interface card. Designed for star or bus topologies. Contains both coaxial and twisted pair interfaces.

ADAPTER NAME: CN190ST/2
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5076
BUS MASTER: NO
AVAILABLE: 1/90
DESCRIPTION: High performance, turbo, 16-bit ARCNET** network interface card. Designed for star topologies. Contains both coaxial and twisted pair interfaces.

COMPANY: Compex, Inc.
ADDRESS: 4055 East La Palma
Unit C
Anaheim, CA 92807
U.S.A.
PHONE: 1-714-630-7302
FAX: 1-714-630-6521

ADAPTER NAME: Compex ANET-16/MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 7F00
BUS MASTER: NO
AVAILABLE: 11/91
DESCRIPTION: 16-bit mode, memory slave, 2KB memory mapped.

ADAPTER NAME: Compex-ANET Network Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 7F00
BUS MASTER: NO
AVAILABLE: 3/89
DESCRIPTION: A 2.5 Mbits/second network adapter for the Micro Channel* bus. Utilizes "token-passing" protocol defined by Datapoint ARCNET** network.

Part 2. IOV Adapters — Listings by Category

Communication: Network — ARCNET™ LAN (Continued)

COMPANY: Connect International A/S ADDRESS: 4, Bispevej DK-2400 Copenhagen NV DENMARK PHONE: 45-31-87-99-00 FAX: 45-31-87-64-62	ADAPTER NAME: ARC MC-02 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6A88 BUS MASTER: NO AVAILABLE: 1/90 DESCRIPTION: ARCNET™ LAN 2.5Mb/second adapter. 8-bit Micro Channel™ bus interface. For Novell™ NetWare™ and Banyan VINES™ software. Uses 16Kbytes of memory space and 16 I/O locations. 8 IRQ. 8 memory base & 8 I/O base configurations. On-board boot PROM option.
COMPANY: Corman Technologies Inc. ADDRESS: 99B Northland Road Waterloo, Ontario N2V 1Y8 CANADA PHONE: 1-519-884-4430 FAX: 1-519-884-0204	ADAPTER NAME: CorNet Adapter SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 69DC BUS MASTER: NO AVAILABLE: 1/92 DESCRIPTION: ARCNET™ network interface adapter for the PS/2™ computers with the Micro Channel™ bus.
COMPANY: D-Link Systems, Inc. ADDRESS: Five Musick Irvine, CA 92718 U.S.A. PHONE: 1-714-455-1688 FAX: 1-714-455-2521	ADAPTER NAME: D-Link 16-bit ARCNET™ Card (DA-300) SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 0FCE BUS MASTER: NO AVAILABLE: 7/91 DESCRIPTION: 2.5 MB/second ARCNET™ network adapter for Micro Channel™ bus. It operates with all popular network operating systems, including D-Link LANsmart™, Novell™ NetWare™ and IBM™ PC LAN software programs.
COMPANY: DSP Design Ltd. ADDRESS: One Apollo Studios Charlton Kings Road London NW5 2SB UNITED KINGDOM PHONE: 44-01-482-1773 FAX: 44-01-482-1779	ADAPTER NAME: ARC500 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 69FF BUS MASTER: NO AVAILABLE: 12/89 DESCRIPTION: An ARCNET™ card for the Micro Channel™ architecture which can be supplied for use in star or bus LANs.
COMPANY: Lantana Technology Inc. ADDRESS: 4393 Viewridge Avenue Suite A San Diego, CA 92123 U.S.A. PHONE: 1-619-565-6400 FAX: 1-619-565-0798	ADAPTER NAME: Aster I 2 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6D7F BUS MASTER: NO AVAILABLE: 9/88 DESCRIPTION: ARCNET™ compatible local area network controller. Star or bus configuration available. Coax and twisted pair cabling support. Socket for RPL boot prom.
COMPANY: Lava Computer Mfg Inc. ADDRESS: 28A Dansk Court Rexdale, Ontario M9W 5V8 CANADA PHONE: 1-416-674-5942 FAX: 1-416-674-8262	ADAPTER NAME: ARCLINK™/A SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6185 BUS MASTER: NO AVAILABLE: 6/89 DESCRIPTION: ARCNET™ adapter for Micro Channel™ bus. Compatible with Novell™ NetWare™, Banyan VINES™ and Univation LifeNET™ network operating systems.
COMPANY: Microbus Manufacturing, Ltd. ADDRESS: Treadaway Hill, Loudwater High Wycombe, Bucks HP10 9QL UNITED KINGDOM PHONE: 44-6285-31271 FAX: 44-6285-31498	ADAPTER NAME: MARCP2 ARCNET™ Adapter SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6BB6 BUS MASTER: NO AVAILABLE: 4/88 DESCRIPTION: Links Micro Channel™ bus-based systems, including IBM™ PS/2™ Model 50, 60, 70 and 80 computers to ARCNET™ network via COAX. Uses 16KB or 64KB system memory, 16 bytes I/O address space. Includes LED indicator and socket for network boot ROM.

Part 2. IOV Adapters — Listings by Category

Communication: Network — ARCNET** LAN (Continued)

COMPANY: MNC International, Inc. ADDRESS: 2817 Anthony Lane South Minneapolis, MN 55418 U.S.A. PHONE: 1-612-788-1099 FAX: 1-612-788-9365	ADAPTER NAME: QC-9219-4 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6FA0 BUS MASTER: NO AVAILABLE: 1/88 DESCRIPTION: A high performance network controller card for IBM* PS/2* computers. It allows these computers to interface to an ARCNET** local area network. Four versions are available: (i) allows star connection via coaxial cable; (ii) allows bus connection via coaxial cable; (iii) allows star connection via twisted wire pair; and (iv) allows star connection via fifty 62.5 micron duplex fiber optic wire.
COMPANY: Orsi Automazione S.p.A. ADDRESS: Corso Europa 799 16148 Genova ITALY PHONE: 39-10-35621 FAX: 39-10-380309	ADAPTER NAME: NET18/MC SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6A09 BUS MASTER: NO AVAILABLE: 6/91 DESCRIPTION: Dual-channel coax cable ARCNET** LAN interface for industrial application.
COMPANY: PureData ADDRESS: 1740 South I-35 Carrollton, TX 75006 U.S.A. PHONE: 1-214-242-2040 FAX: 1-214-242-9487	ADAPTER NAME: PDUc508Plus SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6508 BUS MASTER: NO AVAILABLE: 10/88 DESCRIPTION: Software configurable, Micro Channel* bus fileserver and workstation card. Available in coax and fiber optic, with bus or star wiring.
COMPANY: Standard Microsystems Corporation ADDRESS: 35 Marcus Boulevard Hauppauge, NY 11788 U.S.A. PHONE: 1-516-273-3100 / 1-800-762-4968 FAX: 1-516-273-7935	ADAPTER NAME: ARCNET**-PS110 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6014 BUS MASTER: NO AVAILABLE: 8/87 DESCRIPTION: Enables PS/2* computers to communicate with each other and with IBM* PC XT*, PC AT* or compatible computers in a distributed star network. Employing surface mount technology for higher reliability, this board is fully compatible with all existing ARCNET** local area networks and with Novell** NetWare** and LAN Manager network operating systems.
	ADAPTER NAME: ARCNET**-PS210 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6014 BUS MASTER: NO AVAILABLE: 6/89 DESCRIPTION: Enables PS/2* computers to communicate with each other and with IBM* PC XT*, PC AT* or compatible computers in a bus network. Employing surface mount technology for higher reliability, this board is fully compatible with all existing ARCNET** local area networks and with Novell** NetWare** and LAN Manager network operating systems.
COMPANY: Thomas-Conrad Corp. ADDRESS: 1908-R Kramer Lane Austin, TX 78758 U.S.A. PHONE: 1-512-836-1935 / 1-800-332-8683 FAX: 1-512-836-2840	ADAPTER NAME: TC 6246 ARC-Card/MC SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 64B6 BUS MASTER: NO AVAILABLE: 5/91 DESCRIPTION: The TC 6246 operates in 2.5Mbps ARCNET** LAN networks in distributed-star or bus topologies.

Part 2. IOV Adapters — Listings by Category

Communication: Network — ARCNET** LAN (Continued)

COMPANY: Tiara Computer Systems, Inc.
ADDRESS: 1091 Shoreline Boulevard
Mountain View, CA 94043
U.S.A.
PHONE: 1-415-965-1700 / 1-800-638-4272
FAX: 1-417-969-0958

ADAPTER NAME: ARCNET** LanCard*HiZ MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5F60
BUS MASTER: NO
AVAILABLE: 10/88
DESCRIPTION: 16-bit high performance adapter for ARCNET** LANs. Features a high impedance design for bus topologies, free installation and node diagnostic utilities, LED activity indicator, custom drivers for NetWare** 2.X and 3.X operating systems, and the industry's first lifetime warranty.

ADAPTER NAME: ARCNET** LanCard MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5F60
BUS MASTER: NO
AVAILABLE: 12/87
DESCRIPTION: 16-bit high performance adapter for ARCNET** LANs. Features custom driver for NetWare** 2.X and 3.X operating systems, free installation and node diagnostic utilities, LED activity indicator.

Communication: Network — Ethernet** LAN

COMPANY: 3Com Corporation
ADDRESS: 5400 Bayfront Plaza
P.O. Box 58145
Santa Clara, CA 95052-8145
U.S.A.
PHONE: 1-408-764-5000 / 1-800-638-3266
FAX: 1-408-764-5004

ADAPTER NAME: EtherLink/MC**
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6042
BUS MASTER: NO
AVAILABLE: 10/87
DESCRIPTION: A high performance interface to coaxial cabling Ethernet** networks for Micro Channel* bus-based computers. Optimized shared memory architecture with 16KB RAM, zero wait state RAM access and a 16-bit data-bus interface. Supported by a wide range of third-party network software. Works with the POS utility. Optional diskless boot ROM for NetWare**, 3+ Open and 3+ software.

ADAPTER NAME: EtherLink/MC** 32 (PN 3C527)
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 0041
BUS MASTER: YES
AVAILABLE: 4/91
DESCRIPTION: 32-bit bus master for thin Ethernet** LAN and (with external transceiver) for 10BASE-T, fiber optic or thick Ethernet LAN. Based upon same design as the IBM* High Performance LAN Adapter for RISC System/6000* POWERstations. Supports 200ns Micro Channel* bus cycles, the minimum default. Minimizes CPU use and data bus for maximum network performance in a server or high-activity workstation. Supported by a wide range of third-party software.

ADAPTER NAME: EtherLink/MC** TP
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6042
BUS MASTER: NO
AVAILABLE: 5/90
DESCRIPTION: High performance interface to twisted-pair cabling Ethernet** networks for Micro Channel* bus-based computers. Optimized shared memory architecture with 16KB zero wait state RAM, 16-bit data bus interface. Supported by wide range 3rd party network software. Supports 10BASE-T, pre-standard twisted pair and a range of variation in wire gauge and impedance. Software-compatible with EtherLink/MC. Optional diskless boot ROM.

COMPANY: 3Com Ltd
ADDRESS: ISOLAN House, Brindley Way
London Road
Hemel Hempstead, Herts HP3 9XJ
UNITED KINGDOM
PHONE: 44-442-231-000
FAX: 1-508-832-8689

ADAPTER NAME: 4110-3 ISOLAN** Controller Card
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 0808
BUS MASTER: YES
AVAILABLE: 4/89
DESCRIPTION: A fully integrated, high-speed bus master controller providing Ethernet** IEEE 802.3 local area networking for IBM PS/2* computers with the Micro Channel* bus. Innovative design maximizes overall performance by utilizing the total capacity of an Ethernet local area network and PS/2 computer bus master capability.

Part 2. IOV Adapters — Listings by Category

Communication: Network — Ethernet** LAN (Continued)

COMPANY: Allied Telesis, K.K. ADDRESS: Aioi Bldg, 4-7-20 Higashi-Gotanda Shinagawa-ku Tokyo 141 JAPAN PHONE: 81-3-3443-5640 FAX: 81-3-3443-2443	ADAPTER NAME: CentreCOM SIC-PS55-E SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 006A BUS MASTER: YES AVAILABLE: 5/92 DESCRIPTION: Compatible with Ethernet™ LAN V2/IEEE 802.3 and IBM* PS/2* and PS/55 computers. High-speed data-transmission using direct bus master architecture. 16- and 32-bit data bus switchable. High reliability and low power consumption using LSI. Support concurrently IPX/SPX and TCP/IP.
COMPANY: Arco Electronics Inc. ADDRESS: 5830 Sheridan Street Hollywood, FL 33021 U.S.A. PHONE: 1-305-961-1666 FAX: 1-305-964-1984	ADAPTER NAME: AE/2 Ethernet™ Adapter SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6354 BUS MASTER: NO AVAILABLE: 4/92 DESCRIPTION: Implements IEEE 802.3 CSMA/CD industry standard on a bus structure cable to provide a high-performance, low-cost network connection. Compatible with all IBM* PS/2* computers and compatible Micro Channel* bus-based systems. Supports 10BASE2 "thin" Ethernet™ and 10BASE-T unshielded, twisted pair interfaces. It is 100% compatible with Novell™ NE/2.
COMPANY: Artisoft, Inc. ADDRESS: 691 East River Road Tucson, AZ 85704 U.S.A. PHONE: 1-602-293-6363 / 1-800-846-9726 FAX: 1-602-293-8065	ADAPTER NAME: LANlastic™ AE-2 MC Ethernet™ Adapter SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 67B0 BUS MASTER: NO AVAILABLE: 12/90 DESCRIPTION: High performance Ethernet™ adapter for PS/2* computers with the Micro Channel* bus. On board 16/64K packet buffer RAM. Diskless boot ROM optional.
COMPANY: B.V. Neways R&D ADDRESS: Dultvendijk 1 5672 AD Nuenen THE NETHERLANDS PHONE: 31-40-83-83-05 FAX: 31-40-83-68-05	ADAPTER NAME: M6600 Ethernet™ Adapter SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6BBF BUS MASTER: NO AVAILABLE: 1/89 DESCRIPTION: Supports 802.3 and Ethernet™ LAN protocols. Tested and certified by Novell. 64KB data packed buffer and PROM socket. Uses Fujitsu LAN Controller.
	ADAPTER NAME: M6620 Ethernet™ Adapter with Boot PROM Option SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6BC0 BUS MASTER: NO AVAILABLE: 4/89 DESCRIPTION: Supports 802.3 and Ethernet™ LAN protocols. Tested and certified by Novell. 64KB data packet buffer and PROM socket. Uses Fujitsu LAN controller.
COMPANY: Cabletron Systems Inc. ADDRESS: 35 Industrial Way P.O. Box 5005 Rochester, NH 03867 U.S.A. PHONE: 1-603-332-9400 / 1-800-526-8378 FAX: 1-603-335-5917	ADAPTER NAME: E3010 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 5606 BUS MASTER: NO AVAILABLE: 9/89 DESCRIPTION: 16KB of dual-ported SRAM. National Semiconductor DP8390C interface controller. Standard AUI (DB-15) and RJ-45 (10 Base T) connections. Program I/O and DMA RAM access methods. Exclusive external LANVIEW™ LEDs indicate TRANSMIT, RECEIVE, LINK-OK, COLLISION PRESENT status.

Part 2. IOV Adapters — Listings by Category

Communication: Network — Ethernet** LAN (Continued)

COMPANY: Cabletron Systems Inc.
ADDRESS: 35 Industrial Way
P.O. Box 5005
Rochester, NH 03867
U.S.A.

PHONE: 1-603-332-9400 / 1-800-526-8378
FAX: 1-603-335-5917

ADAPTER NAME: E3010-X
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5607
BUS MASTER: NO
AVAILABLE: 9/89
DESCRIPTION: 64KB of dual-ported SRAM. National Semiconductor DP8390C interface controller. Standard AUI (DB-15) and RJ-45 (10 Base T) connections. Program I/O and DMA RAM access methods. Exclusive external LANVIEW™ LEDs indicate TRANSMIT, RECEIVE, LINK-OK, COLLISION PRESENT status.

ADAPTER NAME: E3020
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5600
BUS MASTER: NO
AVAILABLE: 9/89
DESCRIPTION: 16KB of dual-ported SRAM. National Semiconductor DP8390C interface controller. Standard AUI (DB-15) and BNC interface. Supports program I/O and DMA RAM access methods. Exclusive external LANVIEW™ LEDs indicate TRANSMIT, RECEIVE, LINK-OK, COLLISION PRESENT status.

ADAPTER NAME: E3020-X
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5601
BUS MASTER: NO
AVAILABLE: 9/89
DESCRIPTION: 64KB of dual-ported SRAM. National Semiconductor DP8390C interface controller. Standard AUI (DB-15) and BNC interface. Supports program I/O and DMA RAM access methods. Exclusive external LANVIEW™ LEDs indicate TRANSMIT, RECEIVE, LINK-OK, COLLISION PRESENT status.

ADAPTER NAME: E3030
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5602
BUS MASTER: NO
AVAILABLE: 10/89
DESCRIPTION: 16KB of dual-ported SRAM. National Semiconductor DP8390C interface controller. Standard AUI (DB-15) and SMA connections. On-board fiber optic transceiver. Program I/O and DMA RAM access methods. Exclusive external LANVIEW™ LEDs indicate TRANSMIT, RECEIVE, LINK-OK, COLLISION PRESENT status.

ADAPTER NAME: E3030-X
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5603
BUS MASTER: NO
AVAILABLE: 10/89
DESCRIPTION: 64KB of dual-ported SRAM. National Semiconductor DP8390C interface controller. Standard AUI (DB-15) and SMA connections. On-board fiber optic transceiver. Program I/O and DMA RAM access methods. Exclusive external LANVIEW™ LEDs indicate TRANSMIT, RECEIVE, LINK-OK, COLLISION PRESENT status.

ADAPTER NAME: E3040
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5604
BUS MASTER: NO
AVAILABLE: 10/89
DESCRIPTION: 16KB of dual-ported SRAM. National Semiconductor DP8390C interface controller. Standard AUI (DB-15) and ST connections. On-board fiber optic transceiver. Program I/O and DMA RAM access methods. Exclusive external LANVIEW™ LEDs indicate TRANSMIT, RECEIVE, LINK-OK, COLLISION PRESENT status.

Part 2. IOV Adapters — Listings by Category

Communication: Network — Ethernet** LAN (Continued)

COMPANY: Cabletron Systems Inc.
ADDRESS: 35 Industrial Way
P.O. Box 5005
Rochester, NH 03867
U.S.A.
PHONE: 1-603-332-9400 / 1-800-526-8378
FAX: 1-603-335-5917

ADAPTER NAME: E3040-X
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5605
BUS MASTER: NO
AVAILABLE: 10/89
DESCRIPTION: 64KB of dual-ported SRAM. National Semiconductor DP8390C interface controller. Standard AUI (DB-15) and ST connections. On-board fiber optic transceiver. Program I/O and DMA RAM access methods. Exclusive external LANVIEW** LEDs indicate TRANSMIT, RECEIVE, LINK-OK, COLLISION PRESENT status.

ADAPTER NAME: E3110
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5608
BUS MASTER: NO
AVAILABLE: 7/91
DESCRIPTION: Ethernet** LAN controller with twisted pair, AUI ports and 16KB buffer.

ADAPTER NAME: E-3110-X
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5609
BUS MASTER: NO
AVAILABLE: 7/91
DESCRIPTION: Ethernet** LAN controller with twisted pair, AUI Ports and 64KB buffer.

ADAPTER NAME: E3112
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5608
BUS MASTER: NO
AVAILABLE: 7/91
DESCRIPTION: Ethernet** LAN controller, twisted pair and BNC interface with 16KB buffer.

ADAPTER NAME: E3112-X
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5609
BUS MASTER: NO
AVAILABLE: 7/91
DESCRIPTION: Ethernet** LAN controller, twisted pair and BNC interface with 64KB buffer.

ADAPTER NAME: E3119
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5608
BUS MASTER: NO
AVAILABLE: 7/91
DESCRIPTION: Ethernet** LAN controller, twisted pair only with 16KB buffer.

ADAPTER NAME: E3119-X
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5609
BUS MASTER: NO
AVAILABLE: 7/91
DESCRIPTION: Ethernet** LAN controller, twisted pair only with 64KB buffer.

COMPANY: CNet Technology Inc.
ADDRESS: 2199 Zanker Road
San Jose, CA 95131
U.S.A.
PHONE: 1-408-954-8000 / 1-800-486-2638
FAX: 1-408-954-8866

ADAPTER NAME: CN200E/2
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 50CD
BUS MASTER: NO
AVAILABLE: 1/90
DESCRIPTION: 16-bit Ethernet** LAN card compatible with Novell** NE/2 software.

Part 2. IOV Adapters — Listings by Category

Communication: Network — Ethernet** LAN (Continued)

COMPANY: CNet Technology Inc. ADDRESS: 2199 Zanker Road San Jose, CA 95131 U.S.A. PHONE: 1-408-954-8000 / 1-800-486-2638 FAX: 1-408-954-8866	ADAPTER NAME: CN650E/2 SUPPORTS: PS/2 - NO RISC System/6000 - YES Micro Channel 370 - NO POS ID: 62AD BUS MASTER: NO AVAILABLE: 4/92 DESCRIPTION: Ethernet** LAN adapter for Micro Channel* bus-based systems. Contains unique 3-in-1 connection capabilities to support thick, thin, and 10BaseT Ethernet networks. Uses programmed I/O memory access.

	ADAPTER NAME: CN800E/2 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 50CE BUS MASTER: NO AVAILABLE: 1/91 DESCRIPTION: High performance, dual port, shared memory, 16-bit Ethernet** LAN card for 10BaseT networks.
COMPANY: Codenoll Technology Corporation ADDRESS: 1086 North Broadway Yonkers, NY 10701 U.S.A. PHONE: 1-914-965-6300 FAX: 1-914-965-9811	ADAPTER NAME: CodeNet** 8320/8322 Fiber Optic Ethernet** Network Interface Card SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6FAD BUS MASTER: NO AVAILABLE: 6/90 DESCRIPTION: The CodeNet** 8320/8322 connects any computer with the IBM* Micro Channel** bus to a fiber optic Ethernet** network segment through a passive hub. Shared memory access via dual-ported on board buffer (16-bit transfer) provides highest possible throughput.

	ADAPTER NAME: CodeNet** 8321 FOIRL Ethernet** Network Interface Card SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6FAD BUS MASTER: NO AVAILABLE: 6/90 DESCRIPTION: The CodeNet** 8321 connects any computer with the IBM* Micro Channel** bus to a 10BASE-FL Ethernet** fiber optic link to an active star hub (FOIRL). Shared memory access via dual-ported on board buffer (16-bit transfer) provides highest possible throughput.
COMPANY: Compex, Inc. ADDRESS: 4055 East La Palma Unit C Anaheim, CA 92807 U.S.A. PHONE: 1-714-630-7302 FAX: 1-714-630-6521	ADAPTER NAME: Compex ENET-16MC/U SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 70DE BUS MASTER: NO AVAILABLE: 1/92 DESCRIPTION: Multi-personality Ethernet** LAN adapter for IBM* Micro Channel* architecture running 3 modes: (1) Compex 16-bit mode, memory slave, 16KB shared memory; (2) WD 16-bit mode, memory slave, 16KB shared memory; and (3) NE/2 16-bit mode, I/O slave, 16KB I/O mapped memory.

	ADAPTER NAME: COMPLEX-ENET/F Network Adaptor SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 611C BUS MASTER: NO AVAILABLE: 6/90 DESCRIPTION: High performance 16-bit interface Ethernet** adaptor, is fully compatible with IEEE 802.3 standard boot PROM socket for remote boot capability. No memory space is occupied when boot PROM is disabled. Optional thick or thin Ethernet cable interface.
COMPANY: Connect International A/S ADDRESS: 4, Bispevej DK-2400 Copenhagen NV DENMARK PHONE: 45-31-87-99-00 FAX: 45-31-87-64-62	ADAPTER NAME: ETH MC-01 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6A3A BUS MASTER: NO AVAILABLE: 7/90 DESCRIPTION: Ethernet** (IEEE 802.3) LAN 10base5 and 10base2 adapter. 8-bit Micro Channel* bus implementation. 4IRQ and 4 I/O base configurations. On-board boot PROM option.

Part 2. IOV Adapters — Listings by Category

Communication: Network — Ethernet** LAN (Continued)

COMPANY: Connect International A/S ADDRESS: 4, Bispevej DK-2400 Copenhagen NV DENMARK PHONE: 45-31-87-99-00 FAX: 45-31-87-64-62	ADAPTER NAME: ETH MC-02 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 69DF BUS MASTER: NO AVAILABLE: 12/90 DESCRIPTION: High performance 16-bit adapter of thin or thick Ethernet** LAN (IEEE 802.3). Multiple cabling option for thin Ethernet (RG58, RG59 and RG62), 4 IRQ and 4 I/O base configurations. On-board boot PROM option. Support for LAN Manager, Novell** NetWare** 286 and 386 computer software.
<hr/>	
	ADAPTER NAME: ETH MC-02 TW SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6F95 BUS MASTER: NO AVAILABLE: 3/91 DESCRIPTION: High performance 16-bit adapter for twisted pair Ethernet** LAN (IEEE 802.3 10BASE-T). 4 IRQ and 4 I/O base configuration. On-board boot PROM option. Occupies no memory when boot PROM is disabled. Implements link test and autopolarity function. Support for LAN Manager, Novell** NetWare** 286 and 386 computer software.
<hr/>	
COMPANY: Digital Equipment Corp. ADDRESS: 50 Nagog Park Acton, MA 01720 U.S.A. PHONE: 1-508-264-7111 / 1-800-343-4040 / 1-800-344-4825 FAX: 1-603-884-5597	ADAPTER NAME: Etherworks MC** / Etherworks MC/TP** SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6DEF BUS MASTER: NO AVAILABLE: 5/91 DESCRIPTION: Multibuffered Ethernet** network interface card with Novell** and Pathworks** drivers. DEC** part number DE210 has AUI and thin wire interfaces. DE212 has thin wire and 10BaseT interfaces.
<hr/>	
COMPANY: D-Link Systems, Inc. ADDRESS: Five Musick Irvine, CA 92718 U.S.A. PHONE: 1-714-455-1688 FAX: 1-714-455-2521	ADAPTER NAME: D-Link** 10BaseT Ethernet** Card (DE-300TP) SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 0FCC BUS MASTER: NO AVAILABLE: 10/90 DESCRIPTION: 10MB/second 10BaseT Ethernet** network adapter for the Micro Channel* bus. It operates with all popular network operating systems including D-Link LANsmart, Novell** NetWare**, IBM** PC LAN Program, SUN PC-NFS, FTP TCP/IP and SCO** XENIX** TCP/IP computer software.
<hr/>	
	ADAPTER NAME: D-Link** 16-Bit Ethernet** Card (DE-300) SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 0FCC BUS MASTER: NO AVAILABLE: 3/88 DESCRIPTION: 10MB/second Ethernet** network adapter for the Micro Channel* bus. It operates with all popular network operating systems, including D-Link** LANsmart**, Novell** NetWare**, IBM** PC LAN Program, Sun PC-NFS**, FTP TCP/IP and SCO** XENIX** TCP/IP computer software.
<hr/>	
COMPANY: Elettronica Sillaro S.R.L. ADDRESS: Via Meucci, 11 Castel S. Pietro Terme (BO) 40024 ITALY PHONE: 39-51-94-06-09 FAX: 39-51-94-17-37	ADAPTER NAME: ES** -481 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6A95 BUS MASTER: NO AVAILABLE: 3/91 DESCRIPTION: 16-bit Ethernet** adapter with National Semiconductor DP8390C NIC, 16KB dual ported SRAM, standard AUI (DB-15) and BNC isolated interface with hard electric discharge protection. Software compatible with any Novell** software revision.

Part 2. IOV Adapters — Listings by Category

Communication: Network — Ethernet** LAN (Continued)

COMPANY: Frontier Technologies Corporation ADDRESS: 10201 North Port Washington Road Mequon, WI 53092 U.S.A. PHONE: 1-414-241-4555 FAX: 1-414-241-7084	ADAPTER NAME: 802.3/TP 10-Base-T SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6153 BUS MASTER: NO AVAILABLE: 2/90 DESCRIPTION: Frontier's 802.3/TP 10 Base-T NIC is designed to use a single 16-bit expansion slot in an IBM* PS/2* computer. Allows for communication to other computer systems using the IEEE 802.3 and 10BASE-T network protocols. An on-board 10MHz 80186 microprocessor makes the card ideally suited to applications in which it is desirable to off-load processing from the host CPU to implement more complex protocols such as TCP/IP or OSI.
COMPANY: Fujikura America, Inc. ADDRESS: 743 Pastoria Avenue Sunnyvale, CA 94086 U.S.A. PHONE: 1-408-738-2305 FAX: 1-408-738-2595	ADAPTER NAME: FN1730-MC SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 50F8 BUS MASTER: NO AVAILABLE: 4/92 DESCRIPTION: A high-performance, high-integration, 16-bit Ethernet™ LAN card. (IEEE 10BaseT/10Base5 (AUI)). National Semiconductor DP83902 ST-NIC. Custom CMOS. LSI, 16KB dual-ported SRAM, standard AUI and RJ-45 connectors. It runs on Novell™ NetWare™, Microsoft™ LAN Manager, and TCP/IP software.
COMPANY: Gateway Communications, Inc. ADDRESS: 2941 Alton Avenue Irvine, CA 92714 U.S.A. PHONE: 1-714-553-1555 / 1-800-367-6555 FAX: 1-714-553-1616	ADAPTER NAME: G/Ethernet™ MC Adapter SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6018 BUS MASTER: NO AVAILABLE: 4/88 DESCRIPTION: Micro Channel* bus implementation of Gateway's IEEE 802.3 Ethernet™ LAN adapter which runs on Novell™ NetWare™, Web, Great OS, or other IPX/ODI-compatible network operating system. Microsoft™ OS/2™ LAN Manager, IBM* LAN Server, Banyan VINES™ Clients or NDIS compatible network operating system, and TCP/IP packet drivers to support IBM PS/2* computers and compatibles.
	ADAPTER NAME: G/ETHERTWIN™ MC SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6018 BUS MASTER: NO AVAILABLE: 6/90 DESCRIPTION: Micro Channel* bus implementation of Gateway's IEEE 10BASE-T Ethernet™ LAN adapter for unshielded twisted-pair telephone wiring. Runs on Novell™ NetWare™, Web, GREAT OS or IPX/ODI-compatible network operating system, Microsoft™ OS/2™ LAN Manager, IBM* LAN Server, Banyan VINES™ client workstation or NDIS compatible network operating system and TCP/IP packet driving to support IBM PS/2* computers and compatibles.
COMPANY: IMC Networks Corp. ADDRESS: 16931 Millikan Avenue Irvine, CA 92714 U.S.A. PHONE: 1-714-724-1070 / 1-800-624-1070 FAX: 1-714-724-1020	ADAPTER NAME: PCnic II™, PCnic II TP SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6EE7 BUS MASTER: NO AVAILABLE: 6/88 DESCRIPTION: Two versions of high speed 16-bit Ethernet™ LAN cards for Micro Channel* bus. Adhere to IEEE 802.3 10BASE2/10BASE5 coax (optional 75 ohm and 93 ohm for LAN upgrades), 10BASET UTP standards. Drivers for NetWare™ 2.xx/3.1x (ODI), TCP/IP, NDIS and PC-NFS software. NetBIOS interface for PC LAN available.
COMPANY: Invisible Software, Inc. ADDRESS: 1142 Chess Drive Foster City, CA 94404 U.S.A. PHONE: 1-415-570-5967 FAX: 1-415-570-6017	ADAPTER NAME: Invisible Ethernet™/A SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 5347 BUS MASTER: NO AVAILABLE: 2/90 DESCRIPTION: A simple and elegant 16-bit Ethernet™ board running at 10Mbps on thin coaxial cable. Available for PS/2*, PC XT* and PC AT* computers. Comes complete with hardware, network operating system, NetBIOS, utilities, and diagnostics.

Part 2. IOV Adapters — Listings by Category

Communication: Network — Ethernet** LAN (Continued)

COMPANY: Lantana Technology Inc.
ADDRESS: 4393 Viewridge Avenue
Suite A
San Diego, CA 92123
U.S.A.
PHONE: 1-619-565-6400
FAX: 1-619-565-0798

ADAPTER NAME: Tamarix / 2
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6F77
BUS MASTER: NO
AVAILABLE: 2/89
DESCRIPTION: Ethernet** compatible local area network controller. Full 16 bit wide transfers, shared memory 64K software configurable options. 802.3 compatible. Supports ThickNet (10Base5) and ThinNet (10Base2) cabling using BNC and AUI connectors.

COMPANY: LONGSHINE ELECTRONIC CO.
ADDRESS: 6F, 245, Sec. 3, Roosevelt Road
Taipei
TAIWAN, Republic of China
PHONE: 886-2-363-4958
FAX: 886-2-362-6810

ADAPTER NAME: ShineNet LAN Card (LCS-8834-II)
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 65F2
BUS MASTER: NO
AVAILABLE: 6/89
DESCRIPTION: A LAN interface card in compliance with IEEE 802.3 standard. It supports both Ethernet** and Cheapernet LAN specifications. This card also supports PC LAN, MS Net and Novell** Advanced NetWare** LAN operating systems. It also provides remote boot ROM socket and supports TCP/IP protocol.

COMPANY: MNC International, Inc.
ADDRESS: 2817 Anthony Lane South
Minneapolis, MN 55418
U.S.A.
PHONE: 1-612-788-1099
FAX: 1-612-788-9365

ADAPTER NAME: QC-9310
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6FA5
BUS MASTER: NO
AVAILABLE: 9/89
DESCRIPTION: A high performance network controller card for IBM* PS/2* computers. It allows these computers to interface to an Ethernet** local area network. Two versions are available: (i) allows connection via either thin coaxial or thick coaxial wire or twisted wire pair; and (ii) allows connection via fifty 62.5 micron duplex fiber optic cable.

COMPANY: NetWorth, Inc.
ADDRESS: 8404 Esters Road
Irving, TX 75063
U.S.A.
PHONE: 1-214-929-1700 / 1-800-544-5255
FAX: 1-214-929-1720

ADAPTER NAME: EtherNext** Adapter for IBM* Micro Channel* Architecture
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 611F
BUS MASTER: NO
AVAILABLE: 9/89
DESCRIPTION: A 10MB/second twisted pair LAN adapter conforming to the IEEE 802.3 10BASE-T for operating an Ethernet** LAN on ordinary telephone cabling.

COMPANY: PureData
ADDRESS: 1740 South I-35
Carrollton, TX 75006
U.S.A.
PHONE: 1-214-242-2040
FAX: 1-214-242-9487

ADAPTER NAME: PDUc8023
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 650B
BUS MASTER: NO
AVAILABLE: 6/90
DESCRIPTION: The PDUc8023 is a 16-bit high performance Ethernet** interface card that supports 10BASE2 thin coax cable. It is software configurable, performs at 10Mbps, and complies with the 802.3 standard for Ethernet networks. Two panel LEDs monitor network and card activity, allowing quick visual inspections of network status.

ADAPTER NAME: PDUc8023-T
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 650B
BUS MASTER: NO
AVAILABLE: 1/91
DESCRIPTION: The PDUc8023 is a 16-bit high performance Ethernet** LAN interface card that supports 10BASE-T. It is software configurable, performs at 10Mbps and complies with IEEE 802.3. Two-panel bracket mounted LEDs show network and node activity.

Part 2. IOV Adapters — Listings by Category

Communication: Network — Ethernet** LAN (Continued)

COMPANY: R.P.T. Intergroups International Ltd.
ADDRESS: 9F, No. 50, Ming Chuan Road
Hsin Tien
Taipei
TAIWAN, Republic of China
PHONE: 886-2-918-3006
FAX: 886-2-918-3096

ADAPTER NAME: E2000M
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6279
BUS MASTER: NO
AVAILABLE: 4/90
DESCRIPTION: 10M bps Ethernet™ LAN interface card, providing 2 types of cabling systems: RG-58 coaxial cable and standard Ethernet coaxial cable. Runs on Novell™ NetWare™ LAN operating system.

ADAPTER NAME: RPTI-NET 3000M (R-3000M-001/3)
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6278
BUS MASTER: NO
AVAILABLE: 9/88
DESCRIPTION: 10M bps Ethernet™ LAN interface card, IEEE 802.3 standard. Runs on RPTI-NET NOS (Network Operating System).

COMPANY: Standard Microsystems Corporation
ADDRESS: 35 Marcus Boulevard
Hauppauge, NY 11788
U.S.A.
PHONE: 1-516-435-6000 / 1-800-762-4968
FAX: 1-516-273-7935

ADAPTER NAME: EtherCard PLUS Elite 10T/A
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 61C9
BUS MASTER: NO
AVAILABLE: 2/92
DESCRIPTION: High performance 10BaseT Ethernet™ network adapter. Features: 16K byte shared memory architecture; transmit, receive, polarity and Link LED's; RJ-45 and AUI connectors; socket for optional boot ROM small form factor; include diagnostics and drivers for virtually all network operating systems.

ADAPTER NAME: EtherCard PLUS Elite/A
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 61C8
BUS MASTER: NO
AVAILABLE: 2/92
DESCRIPTION: High performance Ethernet™ network adapter. Features: 16K bytes shared memory architecture; transmit and receive LED's; BNC and AUI connectors; socket for optional boot ROM; small form factor; includes diagnostic and drivers for virtually all network operating systems.

ADAPTER NAME: SMC3016/MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6016
BUS MASTER: NO
AVAILABLE: 5/91
DESCRIPTION: 16-bit surface mount technology board for thin Ethernet™ LAN. Features: 16K bytes dual-ported RAM; transmit and receive LEDs, BNC and AUI connectors. Driver support for NetWare™ 286/386, LAN Manager, NDIS, NetBIOS, FTP PC/TCP, DEC™ PATHWORKS, Sun PC/NFS and Wollongong TCP/IP software.

ADAPTER NAME: SMC3016TP/MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6016
BUS MASTER: NO
AVAILABLE: 2/91
DESCRIPTION: 16-bit surface mount technology board for 10BASE-T. Features: 16K bytes dual-ported RAM; transmit and receive and link LEDs; RJ-45 and AUI connectors. Driver support for NetWare™ 286/386, LAN Manager, NDIS, NetBIOS, FTP PC/TCP, DEC™ PATHWORKS, Sun PC/NFS and Wollongong TCP/IP software.

COMPANY: Thomas-Conrad Corp.
ADDRESS: 1908-R Kramer Lane
Austin, TX 78758
U.S.A.
PHONE: 1-512-836-1935 / 1-800-332-8683
FAX: 1-512-836-2840

ADAPTER NAME: TC5046 Ethernet™ Adapter/MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 006C
BUS MASTER: YES
AVAILABLE: 5/92
DESCRIPTION: The TC5046 is a bus master Ethernet™ LAN adapter for 10BASE-T, 10BASE-5 and 10BASE-2 networks.

Part 2. IOV Adapters — Listings by Category

Communication: Network — Ethernet** LAN (Continued)

COMPANY: Tiara Computer Systems, Inc.
ADDRESS: 1091 Shoreline Boulevard
Mountain View, CA 94043
U.S.A.
PHONE: 1-415-965-1700 / 1-800-638-4272
FAX: 1-417-969-0958

ADAPTER NAME: 10BASE-T LanCard MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6002
BUS MASTER: NO
AVAILABLE: 1/91
DESCRIPTION: 16-bit high performance adapter board for Ethernet™ 10BASE-T LANs. Features an on-board 10BASE-T transceiver for IEEE 802.3i networks, Fujitsu EtherStar controller for exceptional speed, 64K buffer memory, boot PROM socket, and the industry's first lifetime warranty.

ADAPTER NAME: Ethernet™ LanCard MC (#1)
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6000
BUS MASTER: NO
AVAILABLE: 3/88
DESCRIPTION: 16-bit high performance adapter board for Ethernet™ LANs. Features Fujitsu EtherStar controller for exceptional speed, AUI and BNC ports, 64K buffer memory, boot PROM socket and the industry's first lifetime warranty.

ADAPTER NAME: Ethernet™ LanCard MC (#2)
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6001
BUS MASTER: NO
AVAILABLE: 1/89
DESCRIPTION: 16-bit high performance adapter board for Ethernet™ LANs. Features an on-board LattisNet transceiver for SynOptics networks, Fujitsu EtherStar controller for exceptional speed, 64K buffer memory, boot PROM socket, and the industry's first lifetime warranty.

Communication: Network—Token Ring

COMPANY: ACCTON Technology Corp.
ADDRESS: No. 1, Creation Road 3
Science-Based Industrial Park
Hsinchu 330077
TAIWAN, R.O.C.
PHONE: 886-35-770270
FAX: 886-35-770267

ADAPTER NAME: Ring Pair-MC4/16
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 0024
BUS MASTER: YES
AVAILABLE: 6/91
DESCRIPTION: High performance bus master Token Ring adapter for IBM* Micro Channel™ architecture for 4 and 16Mbps with on-board filter support for UTP (IBM Type 3) and STP cable (IBM Type 1 and 2). Driver support for PC LAN, LAN Manager, NetWare™, NetBIOS, diagnostic, IBM Personal Communication/3270 and LAN Server 2.0 software.

COMPANY: Avatar Corporation
ADDRESS: 65 South Street
Hopkinton, MA 01748
U.S.A.
PHONE: 1-508-435-3000 / 1-800-282-3270
FAX: 1-508-435-2470

ADAPTER NAME: LanWay™ TR 16/4 for IBM* Micro Channel* Architecture
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 61C4
BUS MASTER: YES
AVAILABLE: 4/92
DESCRIPTION: Very high-performance Token Ring adapter with 128KB RAM. Performance is attained through optimized bus master design, efficient and small drivers, and optional buffer sizes. Ring speed is software selectable between 16Mbps or 4Mbps. Complete with NetWare™, LAN Manager, LAN Server, PC LAN, APPC/PC, and 3270 software support.

COMPANY: Cabletron Systems Inc.
ADDRESS: 35 Industrial Way
PO. Box 5005
Rochester, NH 03867
U.S.A.
PHONE: 1-603-332-9400 / 1-800-526-8373
FAX: 1-603-335-5917

ADAPTER NAME: T3015
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 0050
BUS MASTER: YES
AVAILABLE: 5/91
DESCRIPTION: Token Ring 4/16 MBit desktop network interface card for PS/2* computers with the Micro Channel* bus.

COMPANY: Carlsen Consulting Pty. Ltd.
ADDRESS: 115 Seaford Road
Seaford, Victoria 3198
AUSTRALIA
PHONE: 61-(0)3-785-3011
FAX: 61-(0)3-770-0961

ADAPTER NAME: DCA Adaptor Card - CCDAQXC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 60CD
BUS MASTER: NO
AVAILABLE: 6/90
DESCRIPTION: The CCDAC - DCA Adapter Card provides both primary and secondary support between FBSS and LAN applications and up to 32 IBM* 4700 DCA sessions/terminals.

Part 2. IOV Adapters — Listings by Category

Communication: Network — Token Ring (Continued)

COMPANY: Carlsen Consulting Pty. Ltd. ADDRESS: 115 Seaford Road Seaford, Victoria 3198 AUSTRALIA PHONE: 61-(0)3-785-3011 FAX: 61-(0)3-770-0961	ADAPTER NAME: Loop Adaptor Card - CCLAC SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 60CD BUS MASTER: NO AVAILABLE: 1/90 DESCRIPTION: The CCLAC - Loop Adaptor Card provides both primary and secondary support for FBSS and LAN applications and the IBM* 4700 environment.
COMPANY: CNet Technology Inc. ADDRESS: 2199 Zanker Road San Jose, CA 95131 U.S.A. PHONE: 1-408-954-8000 / 1-800-486-2638 FAX: 1-408-954-8866	ADAPTER NAME: CN1000T/2 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 50DC BUS MASTER: NO AVAILABLE: 6/91 DESCRIPTION: Token Ring LAN card for Micro Channel* bus-based systems. 4/16 mbps auto detect transfer rate.
COMPANY: Digital Communications Associates, Inc. ADDRESS: 1000 Alderman Drive Alpharetta, GA 30202-4199 U.S.A. PHONE: 1-404-442-4000 FAX: 1-404-442-4361	ADAPTER NAME: IRMAtrac Token-Ring Adapter/Convertible SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 5C1C BUS MASTER: YES AVAILABLE: 9/90 DESCRIPTION: A token-ring adapter that connects both an IBM* PC or PS/2* computer to a 4Mbps or 16Mbps token-ring LAN, using either shielded or unshielded twisted pair cable.
COMPANY: Lantana Technology Inc. ADDRESS: 4393 Viewridge Avenue Suite A San Diego, CA 92123 U.S.A. PHONE: 1-619-565-6400 FAX: 1-619-565-0798	ADAPTER NAME: Cypress/2-16 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 004B BUS MASTER: YES AVAILABLE: 3/90 DESCRIPTION: Token Ring local area network bus master controller, 16/4 Mbps, 802.5 compatible. Support for NetWare™, PC LAN, LAN Server and LAN Manager software. Includes ASIC technology for low component count and increased reliability, remote boot option, 128K buffer memory, socketed LLC EPROMS and ring diagnostic LEDs. All options are programmable via software.
	ADAPTER NAME: Cypress/2-4 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 0F2F BUS MASTER: YES AVAILABLE: 2/89 DESCRIPTION: Token Ring local area network bus master controller, 4Mbps, 802.5 compatible. Support for NetWare™, PC LAN, LAN Server, and LAN Manager software. Includes 2K or 16K buffer memory, ring diagnostic LEDs, LLC 802.2 optional plug-in module.
COMPANY: Madge Networks ADDRESS: 42 Airport Parkway San Jose, CA 95110 U.S.A. PHONE: 1-408-441-1300 / 1-800-876-2343 FAX: 1-408-441-1335	ADAPTER NAME: Smart 16/4 MC Ringnode™ SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 002D BUS MASTER: YES AVAILABLE: 9/90 DESCRIPTION: NSTL #1 rated 32-bit bus master card. UTP and STP. Includes install, diagnostics, OS/2* EE, IBM* LAN Server, LAN Manager, PC LAN, NetWare™ 286 and 386, Banyan VINES™, SCO™ ODT V.4 and mainframe connectivity software. Smart code saves memory, gives performance.

Part 2. IOV Adapters — Listings by Category

Communication: Network — Token Ring (Continued)

COMPANY: MNC International, Inc. ADDRESS: 2817 Anthony Lane South Minneapolis, MN 55418 U.S.A. PHONE: 1-612-788-1099 FAX: 1-612-788-9365	ADAPTER NAME: QC9340 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6FA6 BUS MASTER: YES AVAILABLE: 5/90 DESCRIPTION: A 4/16M bit/second network adapter for IBM* PS/2* computers with Micro Channel* bus that allows these computers to interface to an IBM compatible, Token Ring IEEE 802.5 standard network. Two versions available: 1) for connection via unshielded (4MB/second or shielded (16MB/second) twisted pair and 2) or via fifty 62.5 micron duplex fiber optic cable.
COMPANY: NCR Corporation ADDRESS: Network Products Division 2700 Snelling Avenue North St. Paul, MN 55113 U.S.A. PHONE: 1-612-638-7685 / 1-800-225-5627 FAX: 1-612-638-7531	ADAPTER NAME: NCR StarLAN™ 16/4 Token Ring Adapter/MC SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 0100 BUS MASTER: YES AVAILABLE: 6/91 DESCRIPTION: Bus master 16/4 Token Ring adapter with features such as boot ROM socket for LAN management and diskless workstations, multiple address range support, on-board media filter, 128KB memory for extensive data buffering, support for DOS 3.3/4.01 and OS/2* computer software, and drivers for LAN Manager and PC LAN management software. Other options also available.
COMPANY: Network Controls International, Inc. (NCI) ADDRESS: Nine Woodlawn Green Suite 120 Charlotte, NC 28217 U.S.A. PHONE: 1-704-527-4357 FAX: 1-704-523-3502	ADAPTER NAME: NCI™ BANC-Ring 16/4 Adapter™ SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 7FB3 BUS MASTER: YES AVAILABLE: 5/92 DESCRIPTION: A versatile 16/4 bus master Token Ring adapter designed specifically for the banking industry. Features include: an on-board Network Access Unit (NAU) that eliminates need for MAU, multiple cabling options (B Loop, type 1, type 3) and flexible PC-to-LAN attachment options.
COMPANY: Olicom A/S ADDRESS: Oeverøedvej 5 DK-2840 Holte DENMARK PHONE: 45-42-42-33-88 FAX: 45-42-42-56-65	ADAPTER NAME: OC-3126 PC/MC Adapter SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 0A83 BUS MASTER: YES AVAILABLE: 2/89 DESCRIPTION: High-performance, bus master adapter for 4Mbps. Supports IBM* OS/2* EE computer software including Communication Manager, LAN Server, Database Manager, OfficeVision™/2, and AS/400* PC Support, Personal Communication 3270, Novell™ NetWare™ software with source-routing and Microsoft™ LAN Manager.
	ADAPTER NAME: OC-3128 MC 16/4 Adapter (#1) SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 0A84 BUS MASTER: YES AVAILABLE: 4/90 DESCRIPTION: High-performance bus master adapter for 16 and 4Mbps. Supports IBM* OS/2* EE, including Communication Manager, LAN Server, Database Manager, OfficeVision™/2 and AS/400* PC Support, Personal Communication 3270 software. Certified for Novell™ NetWare™ and Microsoft™ LAN Manager software.
	ADAPTER NAME: OC-3128 MC 16/4 Adapter (#2) SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 0A86 BUS MASTER: YES AVAILABLE: 9/91 DESCRIPTION: 32-bit bus master adapter for 16 and 4Mbps. Supports IBM* OS/2* EE computer software including Communication Manager, LAN Server, Database Manager, OfficeVision™/2, LAN Manager and AS/400* PC Support, Personal Communication 3270, Novell™ NetWare™ with source routing and Microsoft™ LAN Manager software.

Part 2. IOV Adapters — Listings by Category

Communication: Network — Token Ring (Continued)

COMPANY: Olicom A/S ADDRESS: Oevedroevvej 5 DK-2840 Holte DENMARK PHONE: 45-42-42-33-88 FAX: 45-42-42-56-65	ADAPTER NAME: OC-3129 MC 16/4 Adapter SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 0A85 BUS MASTER: YES AVAILABLE: 9/91 DESCRIPTION: A STP/UTP 32-bit bus master adapter for both 16 and 4 Mbps with built-in UTP filter. Supports IBM® OS/2® EE computer software including Communication Manager, LAN Server, Database Manager, OfficeVision™/2 and AS/400® PC Support, Personal Communication 3270, Novell™ NetWare™ and Microsoft™ LAN Manager software.
COMPANY: Proteon, Inc. ADDRESS: Two Technology Drive Westborough, MA 01581-5008 U.S.A. PHONE: 1-508-898-2800 / 1-800-545-7464 FAX: 1-508-366-8901	ADAPTER NAME: p1800 ProNET™-10 Interface for IBM® Micro Channel® Bus SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6262 BUS MASTER: NO AVAILABLE: 3/88 DESCRIPTION: Connects the PS/2® computers to the high-performance 10MB/second ProNET™-10 Token Ring Network. Uses a 16-bit Micro Channel® bus data path and the PQS feature for high speed and versatility.
	ADAPTER NAME: p1892 ProNET™-4/16 Interface for IBM® Micro Channel® Bus SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 0700 BUS MASTER: YES AVAILABLE: 9/91 DESCRIPTION: The p1892, Proteon's newest addition to the ProNET™-4/15 adapter family, is designed for 4/16MB/second Token Ring networking using personal computers with the IBM® Micro Channel® bus. The p1890 features Proteon's bus master technology, STP and UTP media, and supports popular networking software.
COMPANY: PureData ADDRESS: 1740 South I-35 Carrollton, TX 75006 U.S.A. PHONE: 1-214-242-2040 FAX: 1-214-242-9487	ADAPTER NAME: PDuC9025 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 0C83 BUS MASTER: YES AVAILABLE: 4/91 DESCRIPTION: Software configurable 16-bit bus master adapter for file servers and workstations. This "2-in-1" card supports Type 1 and Type 3 cable. Operates at 4Mbps.
COMPANY: Racore Computer Products, Inc. ADDRESS: 170 Knowles Drive Los Gatos, CA 95030 U.S.A. PHONE: 1-408-374-8290 / 1-800-635-1274 FAX: 1-408-374-6653	ADAPTER NAME: Racore 4X16Mbit/sec 802.5 Token-Ring SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: RevA&B, 651F; RevC +, 00C5 BUS MASTER: YES AVAILABLE: 3/90 DESCRIPTION: Compatible with IEEE 802.5, IBM® Token-Ring Adapter and Micro Channel® bus. (Optional 802.2 capability offered). 128K DRAM standard, 512K DRAM option for server. 64K EPROM. Boot PROM option. Twisted pair or phone wire.
	ADAPTER NAME: Racore 802.5 Token-Ring SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 651B BUS MASTER: NO AVAILABLE: 3/89 DESCRIPTION: Compatible with IEEE 802.5, IBM® Token Ring adapter and Micro Channel® bus. (Optional 802.2 capability offered.) 18K of programmable buffers provided for customizing under Novell™ NetWare™ operating system. Allows for connection configuration to a Multiple Access Unit with twisted pair or phone wire. Remote Program Load available.

Part 2. IOV Adapters — Listings by Category

Communication: Network — Token Ring (Continued)

COMPANY: Schneider & Koch & Co. Datensysteme GmbH
ADDRESS: Daimlerstrasse 15
7500 Karlsruhe 21
FEDERAL REPUBLIC OF GERMANY
PHONE: 49-721-792-0
FAX: 49-721-792-89

ADAPTER NAME: SK-NET TR/MC2
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 0824
BUS MASTER: YES
AVAILABLE: 9/91
DESCRIPTION: The SK-NET TR/MC2 token ring adapter provides complete IBM compatibility at physical layer, Medium Access Control (MAC) and Logical Link Control (LLC) (IEEE 802.5 and 802.2) levels. Parallel operation of IPX, TCP/IP and NDIS/NetBEUT under NetWare™, LAN Manager and TCP/IP software. Processor: TMS380C16.

COMPANY: Thomas-Conrad Corp.
ADDRESS: 1908-R Kramer Lane
Austin, TX 78758
U.S.A.
PHONE: 1-512-836-1935 / 1-800-332-8683
FAX: 1-512-836-2840

ADAPTER NAME: TC4046 16/4Mbps Token Ring Adapter/MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 0051
BUS MASTER: YES
AVAILABLE: 5/91
DESCRIPTION: The TC4046 is a bus master adapter which supports Type 1 and Type 3 media.

Communication: Network—Other

COMPANY: Actrix Systems, Inc.
ADDRESS: 160 Great Oaks Boulevard
San Jose, CA 95119-1347
U.S.A.
PHONE: 1-408-281-4321 / 1-800-422-8749
FAX: 1-408-578-4102

ADAPTER NAME: OMNINET™/1 MC Transporter Card
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 01DB
BUS MASTER: NO
AVAILABLE: 3/88
DESCRIPTION: Network interface card operating at 1M bps on single twisted-pair cable. Topology is based on logical bus with CSMA/CA with positive acknowledge.

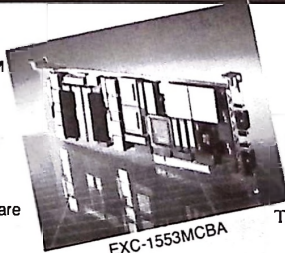
ADAPTER NAME: OMNINET™/4 MC Transporter Card
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 04DC
BUS MASTER: NO
AVAILABLE: 11/89
DESCRIPTION: Network interface card operating at 4Mbps on single twisted-pair cable. Topology is based on logical bus with CSMA/CA with positive acknowledge. Includes on-board RAM and optical isolation.

COMPANY: AEG Modicon International
ADDRESS: One High Street
North Andover, MA 01845-2699
U.S.A.
PHONE: 1-508-794-0800 / 1-800-848-8828

ADAPTER NAME: ModConnect SM-85 MODBUS PLUS™ Communication Adapter, AM-SM85-000
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6C3B
BUS MASTER: NO
AVAILABLE: 1/91
DESCRIPTION: MODBUS PLUS™ communication adapter is 1MB per second peer-to-peer token-passing network for Modicon™ 984 programmable controllers. SM-85 connects Industrial Computers or PS/2™ computers to MODBUS PLUS network. DOS and OS/2™ computer software support for development of plant floor applications.

MIL-STD-1553 For IBM® RISC System/6000™ Computers

- Operates as BC, RT, BC/Concurrent-RT and Concurrent Monitor
- 36Kx8 Memory-Mapped, True Dual-Port RAM (Divided as 2 banks of 18K each)
- Error Injection & Detection capability
- Real-Time Operation
- Multiple Protocol Capability (ie 1553A, B, F-16, MaCair)
- Interrupt/Polling Operations
- Supplied with easy-to-use menu-driven software
- Easy to install and operate
- No software driver required for operation



EXC-1553MCBA



P.O. Box 6839 • Fresh Meadows, NY 11365
Phone: (718)357-3500 • Fax (718) 357-3544
European Rep.:
AEROTECH WORLD TRADE LTD.
Tel (0628)34555 • Fax (0628)781070 (England)

IBM and RISC System 6000 are trademarks of the IBM Corporation.

Part 2. IOV Adapters — Listings by Category

Communication: Network — Other (Continued)

COMPANY: Alloy Computer Products, Inc. ADDRESS: 165 Forest Street Marlborough, MA 01752 U.S.A. PHONE: 1-508-481-8500 / 1-800-544-7551 FAX: 1-508-624-5115	ADAPTER NAME: HI/2 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 77FF BUS MASTER: NO AVAILABLE: 10/87 DESCRIPTION: Plugs directly into the Micro Channel* bus of a PS/2* computer and connects to Alloy expansion bus. Allows the connection of 1 to 32 text terminals or PCs. Uses Alloy's NTNX DOS operating system. Novell connection options available.
COMPANY: Artisoft, Inc. ADDRESS: 691 East River Road Tucson, AZ 85704 U.S.A. PHONE: 1-602-234-6363 / 1-800-846-9726 FAX: 1-602-293-8065	ADAPTER NAME: LANtastic™ 2Mbps MC Adapter SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6343 BUS MASTER: NO AVAILABLE: 12/90 DESCRIPTION: Connects your PS/2* computer to a LANtastic™ 2Mbps LAN. The 10MHz co-processor and 32KB on-board RAM allow you to execute the NetBIOS software within the adapter instead of your PS/2 CPU and memory. Includes male and female DB9 connections for dual twisted pair cable.
COMPANY: AW Computer Systems, Inc. ADDRESS: 9000A Commerce Parkway Mount Laurel, NJ 08054 U.S.A. PHONE: 1-609-234-3939 FAX: 1-609-234-9377	ADAPTER NAME: AW-RCP (Register Communications Processor) SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 7064 BUS MASTER: NO AVAILABLE: 4/89 DESCRIPTION: 80186-based communications processor that connects various electronic cash registers to the IBM* 4680 Store System (which uses PS/2* computers as its base); registers include IBM 3683/3653. NCR** 2152 and 1255, and Data-Checker T2000.
COMPANY: BOCONSULT S.p.A. ADDRESS: Largo I. Molina, 9 40138 Bologna ITALY PHONE: 39-51-344544/346465 FAX: 39-51-344975	ADAPTER NAME: BXM 44-3 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6A01 BUS MASTER: NO AVAILABLE: 1/90 DESCRIPTION: BXM 44-3 is a BITBUS™ controller board for PS/2* computers with optional optoisolated interface. It supports up to 32KB RAM and 64KB EPROM (with local and remote program download) and bidirectional 512 bytes FIFO communication buffer for system bus offloading. Fully compatible with BBM™ Intel™ monitor.
COMPANY: Connexperts ADDRESS: 8333 Douglas Avenue 7th Floor Dallas, TX 75225 U.S.A. PHONE: 1-214-739-4200 / 1-800-433-5373 FAX: 1-214-696-3925	ADAPTER NAME: Systemizer MSC SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6EBE BUS MASTER: NO AVAILABLE: 5/91 DESCRIPTION: The Systemizer MSC "sensible network" provides peripheral sharing. PC to PC file transfer and E-mail for up to 31 computer users. Computers may be of any brand or model. Shared peripherals can include printers, plotters, modems and fax machines.
COMPANY: Danar Corporation ADDRESS: 1608 NE 179th Street Seattle, WA 98155 U.S.A. PHONE: 1-206-362-5922 FAX: 1-206-362-3534	ADAPTER NAME: CCS7 Attachment for IBM* Micro Channel* Architecture SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO POS ID: 6CC7 BUS MASTER: NO AVAILABLE: 8/91 DESCRIPTION: Provides a connection to either ANSI or CCITT SS#7 network at 56 or 64K bps. V.35 and G.703 co-directional physical interfaces are pluggable options. 512KB of transmit / receive buffer with a 16-bit link controller.

Part 2. IOV Adapters — Listings by Category

Communication: Network — Other (Continued)

COMPANY: Data Net Corporation ADDRESS: 10112 U.S.A. Today Way Miramar, FL 33025 U.S.A. PHONE: 1-305-437-3535 FAX: 1-305-437-1494	ADAPTER NAME: DNC 6000 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6FD2 BUS MASTER: NO AVAILABLE: 6/90 DESCRIPTION: Data Net's products form a powerful, easy-to-use DATA COLLECTION network. The DNC 6000 PC-resident Concentrator and Co-Log make your PC a network controller, handling 128 intelligent terminals and interface the system to your host computer.
COMPANY: Dayna Communications, Inc. ADDRESS: 50 South Main Street Fifth Floor Salt Lake City, UT 84144 U.S.A. PHONE: 1-801-531-0203 FAX: 1-801-359-9135	ADAPTER NAME: DL/2 LocalTalk™ Interface Card SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 612D BUS MASTER: NO AVAILABLE: 7/89 DESCRIPTION: Novell-certified. Recommended for NetWare™ file servers and PS/2* computers. Ideal for NetWare and AppleShare networks. Provides access to all Macintosh™ computers, file servers and printers on the network. Supports Novell™ NetWare, Farallon PhoneNet Talk and Appleshare. DaynaSHARE software allows PS/2 computer users access to Apple™ LaserWriter printers, Macintosh System 7 workstations and AppleShare file servers without a NOS.
COMPANY: DayStar Digital, Inc. ADDRESS: 5556 Atlanta Highway Flowery Branch, GA 30542 U.S.A. PHONE: 1-404-967-2077 / 1-800-962-2077 FAX: 1-404-967-3018	ADAPTER NAME: LT200 MC SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6674 BUS MASTER: NO AVAILABLE: 4/88 DESCRIPTION: LocalTalk™ network interface board. Allows PS/2* computers with Micro Channel™ bus to share LocalTalk laser printers, file servers and other network devices with Apple™ Macintosh™ machines. Includes workstation software for printing to laser printers and sharing AFP file servers. Supports Novell™ NetWare™, Microsoft™ LAN Manager, TOPS and AppleShare 2.0 software.
COMPANY: Digital-Kienzle Computersysteme GmbH & Co. KG ADDRESS: P.O. Box 1660 7730 VS-Villingen FEDERAL REPUBLIC OF GERMANY PHONE: 49-7721-860 FAX: 49-7721-86-7113	ADAPTER NAME: X.21-C MC/BM SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6A0C BUS MASTER: NO AVAILABLE: 6/91 DESCRIPTION: The X.21-C MC/BM is a PC-Adapter to realize the access in the basis mode to the Kienzle DAN (device area network.)
COMPANY: D-Link Systems, Inc. ADDRESS: Five Musick Irvine, CA 92718 U.S.A. PHONE: 1-714-455-1688 FAX: 1-714-455-2521	ADAPTER NAME: D-Link™ (DN-300) SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 56CE BUS MASTER: NO AVAILABLE: 1/88 DESCRIPTION: 1MB/second twisted-pair network adapter for the Micro Channel* bus. It operates with all popular network operating systems, including D-Link™ LANsmart™, Novell™ NetWare™ and IBM® PC LAN Program communicating software.
COMPANY: DNA Networks, Incorporated ADDRESS: 351 Phoenixville Pike Malvern, PA 19355 U.S.A. PHONE: 1-215-296-7420 / 1-800-999-3622 FAX: 1-215-296-0691	ADAPTER NAME: DNA Networks** SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 7F7F BUS MASTER: NO AVAILABLE: 11/87 DESCRIPTION: Local area network for microcomputers supporting all IBM® microcomputers and compatibles and Microsoft™ DOS and PC-DOS based software and equipment. Developed in 1983, the product has evolved to a custom built version of Zilog Super Z8 communication processor.

Part 2. IOV Adapters — Listings by Category

Communication: Network — Other (Continued)

COMPANY: Excalibur Systems, Inc.
ADDRESS: P.O. Box 6839
Fresh Meadows, NY 11365
U.S.A.
PHONE: 1-718-357-3500
FAX: 1-718-357-3544

ADAPTER NAME: EXC-1553 for IBM* Micro Channel* Architecture
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 70DF
BUS MASTER: NO
AVAILABLE: 10/91
DESCRIPTION: MIL-STD-1553 test and simulation. Multi-Protocol capability with bus controller, 32 remote terminals and concurrent bus monitor. Bus monitor and remote terminal modes include error injection. This card is an enhanced version of the EXC-1553PS2/E card.

ADAPTER NAME: EXC-1553PS2/E
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 70C4
BUS MASTER: NO
AVAILABLE: 9/89
DESCRIPTION: MIL-STD-1553 test and simulation card. Multi-protocol capability with bus controller, 32 remote terminals and bus monitor. The bus controller and remote terminal modes include error injection.

COMPANY: IKON Corporation
ADDRESS: 2617 Western Avenue
Seattle, WA 98121
U.S.A.
PHONE: 1-206-728-6465
FAX: 1-206-728-1633

ADAPTER NAME: Model 10109 Network Adapter Interface
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 0432
BUS MASTER: YES
AVAILABLE: 11/91
DESCRIPTION: The IKON Model 10109 is a multi-layer IBM* Micro Channel* architecture Type 3 form factor circuit board compatible with both IBM PS/2* computers and IBM RISC System/6000* POWERstations and POWERservers as well as compatibles which allows for their connection to the Network Systems Corporation HYPERchannel adapters. Full bus master DMA operations supported.

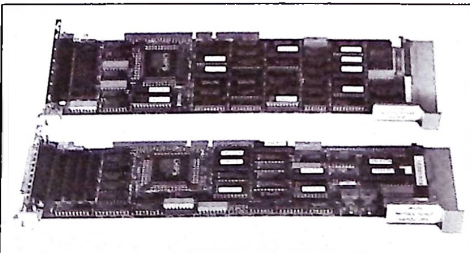
IKON INTERFACES FOR MICRO CHANNEL® COMPUTERS

MODEL 10108 DR11-W

- Interprocessor links & general peripheral device interface.
- Device transfer rate of 4M + bytes/second.
- Bus Master — 32 bit address/16 bit data.
- On-board FIFO for maximum efficiency & throughput.

MODEL 10107 HARDCOPY

- Supports Versatec & Centronics compatible plotters & printers.
- Both TTL & differential (long lines) interfaces for Versatec.
- Device transfer rate of 1M + bytes/second
- Bus Master — 32 bit address/16 bit data.
- On-board FIFO for maximum efficiency & throughput.



ALSO AVAILABLE MODEL 10109
HYPERCHANNEL ADAPTER INTERFACE

ikon corporation

2617 WESTERN AVENUE
SEATTLE, WASHINGTON 98121
TELEPHONE (206) 728-6465
FAX (206) 728-1633
TELEX 5106004284 IKON CORP SWA

All brand names and product names are trademarks or registered trademarks of their respective holders. Micro Channel is a registered trademark of the IBM Corporation.

Part 2. IOV Adapters — Listings by Category

Communication: Network — Other (Continued)

COMPANY: ILC Data Device Corporation ADDRESS: 105 Wilbur Place Bohemia, NY 11716 U.S.A. PHONE: 1-516-567-5600 / 1-800-332-1772 FAX: 1-516-567-7358	ADAPTER NAME: BUS-65531 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 61E2 BUS MASTER: NO AVAILABLE: 10/91 DESCRIPTION: MIL-STD-1553 notice 2 interface card. Low power BUS-61559 (AIM-HY-ER) bus controller/monitor and remote terminal with 8K x 16 memory management. Flexibility is enhanced by IBM* RT* computer sub-address circular buffer, selectable command illegalization and PS/2* computer interrupt level.
COMPANY: Invisible Software, Inc. ADDRESS: 1142 Chess Drive Foster City, CA 94404 U.S.A. PHONE: 1-415-570-5967 FAX: 1-415-570-6017	ADAPTER NAME: Invisible Network Model 300/A SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 5348 BUS MASTER: NO AVAILABLE: 2/88 DESCRIPTION: A simple and elegant local area network running at 3Mbps on twisted pair wire. Available for PS/2*, PC XT* and PC AT* computers. Comes complete with hardware, cable, network operating system, NetBIOS interface, utilities and diagnostics.
COMPANY: MicroWay, Inc. ADDRESS: P.O. Box 79 Kingston, MA 02364 U.S.A. PHONE: 1-508-746-7341 FAX: 1-508-746-4678	ADAPTER NAME: PS/16 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 53E1 BUS MASTER: NO AVAILABLE: 10/88 DESCRIPTION: Intelligent serial controller card turns IBM* PS/2* Model 50, 60, 70 and 80 computers into multiuser systems running XENIX**, UNIX** or AIX* software. Takes advantage of the Micro Channel* bus and extends PS/2 connectivity to up to 64 users with 4 boards. Offloads I/O overhead to on-board 80186 processor and manages up to 16 terminals with a maximum of 3-5% response time degradation. Supports downloadable code.
COMPANY: Network Peripherals Inc. ADDRESS: 1371 McCarthy Boulevard Milpitas, CA 95035 U.S.A. PHONE: 1-408-321-7300 FAX: 1-408-321-9218	ADAPTER NAME: FDDI Interface (SAS/DAS) SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO POS ID: 0069 BUS MASTER: YES AVAILABLE: 4/92 DESCRIPTION: FDDI SAS and DAS interfaces for connection to 100 Mbps FDDI network. SAS available with fiber or STP transceivers; DAS available with fiber. Fully compliant with ANSI X3T9.5 FDDI standard. Includes network drivers for NetWare** and LAN Manager computer software and by second quarter of 1992 for AIX* computer software as well.
COMPANY: Newport Systems Solutions, Inc. ADDRESS: 4019 Westerly Place Suite 103 Newport Beach, CA 92660 U.S.A. PHONE: 1-714-752-1511 / 1-800-368-6533 FAX: 1-714-752-8389	ADAPTER NAME: LAN2LAN SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 616A BUS MASTER: NO AVAILABLE: 3/90 DESCRIPTION: LAN2LAN is a family of high performance Novell** NetWare** routers. Products support 2 or 4 ports at speeds from 9.6 Kbps to 2.048 Mbps. Additional features include data compression, multiple routing protocol support (IPX, TCP/IP, Appletalk), load balancing and easy installation.
COMPANY: Our Business Machines, Inc. ADDRESS: 12901 Ramona Boulevard Suite J Irwindale, CA 91706 U.S.A. PHONE: 1-818-337-9614 / 1-800-433-1435 FAX: 1-818-960-1766	ADAPTER NAME: OA-Link for IBM* Micro Channel* Architecture SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 5061 BUS MASTER: NO AVAILABLE: 2/90 DESCRIPTION: The Micro Channel* architecture version of OA-Link uses a 10MHz NEC V20 8088-1 CPU to share the power of PS/2* computers among a multitude of users. Package contains 8087 socket, 1 RS232 and parallel port.

Part 2. IOV Adapters — Listings by Category

Communication: Network — Other (Continued)

COMPANY: Racore Computer Products, Inc.
ADDRESS: 170 Knowles Drive
Los Gatos, CA 95030
U.S.A.
PHONE: 1-408-374-8290 / 1-800-635-1274
FAX: 1-408-374-6653

ADAPTER NAME: LANpac™ II/MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: Rev.A, 651E; Rev.B+, 651D
BUS MASTER: NO
AVAILABLE: 10/88
DESCRIPTION: LAN interface optimizing Novell™ NetWare™ operating system on the Micro Channel™ bus. Transmits at 16M bps. Up to 254 workstations can be networked. Networks can include LANpac™ II 8- and 16-bit network cards. Interconnects with 75 ohm coaxial cable. Remote Program Load option offered.

COMPANY: R.P.T. Intergrups International Ltd.
ADDRESS: 9F, No. 50, Ming Chuan Road
Hsin Tien
Taipei
TAIWAN, Republic of China
PHONE: 886-2-918-3006
FAX: 886-2-918-3096

ADAPTER NAME: RPTI-NET 1000M (R1000M-001/3)
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5278
BUS MASTER: NO
AVAILABLE: 9/88
DESCRIPTION: Telephone line or RS-422 twisted pair wire distributed bus network. 1M bps transfer rate. RPTI-NET NOS File, record locking.

COMPANY: Schneider & Koch & Co. Datensysteme GmbH
ADDRESS: Daimlerstrasse 15
7500 Karlsruhe 21
FEDERAL REPUBLIC OF GERMANY
PHONE: 49-(0)721-792-0
FAX: 49-(0)721-792-89

ADAPTER NAME: SK-NET MC2
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6BE9
BUS MASTER: NO
AVAILABLE: 12/90
DESCRIPTION: Thanks to increased performance of the SK-NET MC2 board with the 16-bit bus and new drivers, this board represents an absolute apex in the network market for systems with Micro Channel™ architecture, for example, IBM™ PS/2™ computers.

COMPANY: Stone Microsystems (Australia) Pty Ltd
ADDRESS: 20-22 Fred Street
Lilyfield, N.S.W. 2040
AUSTRALIA
PHONE: 61-2-818-3211
FAX: 61-2-818-3070

ADAPTER NAME: Stone Multivideo Multiuser Terminal Adaptor
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 8127
BUS MASTER: NO
AVAILABLE: 1/92
DESCRIPTION: Multivideo adapter card allows 4 VGA color monitors, keyboards and serial mice to be connected to a single Intel386™/Intel486™ based IBM™ PS/2™ computer, each user has a VGA color graphic screen and can run different software packages independently of each other. Popular multiuser operating systems such as SCO™ UNIX™/XENIX™, Interactive 386/ix, VPI/x, and DR Multiuser DOS are supported.

MIL-STD-1553 For IBM® Micro Channel® Computers

- Operates as BC, RT, BC/Concurrent-RT and Concurrent Monitor
- 36Kx8 Memory-Mapped, True Dual-Port RAM (Divided as 2 banks of 18K each)
- Error Injection & Detection capability
- Real-Time Operation
- Multiple Protocol Capability (ie 1553A, B, F-16, MaCair)
- Interrupt/Polling Operations
- Supplied with easy-to-use menu-driven software
- Easy to install and operate
- No software driver required for operation



EXC-1553MCBA



P.O. Box 6839 • Fresh Meadows, NY 11365
Phone: (718)357-3500 • Fax (718) 357-3544
European Rep.:
AEROTECH WORLD TRADE LTD.
Tel (0628)34555 • Fax (0628)781070 (England)

IBM and Micro Channel are registered trademarks of the IBM Corporation.

Part 2. IOV Adapters — Listings by Category

Communication: Network — Other (Continued)

COMPANY: Sumitomo Electric U.S.A., Inc.
ADDRESS: 3235 Kifer Road
Suite 150
Santa Clara, CA 95051
U.S.A.
PHONE: 1-408-737-8517
FAX: 1-408-737-2660

ADAPTER NAME: SUMINET-3500 NSB
SUPPORTS: PS/2 - NO RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 0392
BUS MASTER: YES
AVAILABLE: 4/92
DESCRIPTION: The SUMINET-3500 NSB for the IBM® Micro Channel® architecture connects systems like the IBM RISC System/6000® POWERstation and POWERserver to an ANSI/ISO-standard FDDI network. It provides high speed, fault tolerance, network management protocols and interoperability with other vendors' compliant equipment.

COMPANY: SunRiver Corporation
ADDRESS: 2600 McHale Court
Suite 125
Austin, TX 78758
U.S.A.
PHONE: 1-512-835-8001
FAX: 1-512-835-8026

ADAPTER NAME: MC-40 Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6FF6
BUS MASTER: NO
AVAILABLE: 2/89
DESCRIPTION: 4-port fiber optic interface for networking IBM® PCs or SunRiver monochrome, EGA or VGA fiber optic graphics terminals to 80386 PS/2® computers. A PC LightCard inserts in PS/2 Model 30 computers and connects over 32MB/second fiber optic cables to PS/2 Model 70 or 80 computers with MC-40 adapter, producing high speed workgroup connectivity. Supported under AIX®, UNIX™ and XENIX™ operating systems.

OUR BOARD RIDES WAVES AT 100 MEGABITS PER SEC.

The SUMINET-3500 NSB for IBM® Micro Channel® architecture:

As far as boards are concerned, this one is waxed and ready for action. In fact, all you need to do is plug it in and enjoy the ride!

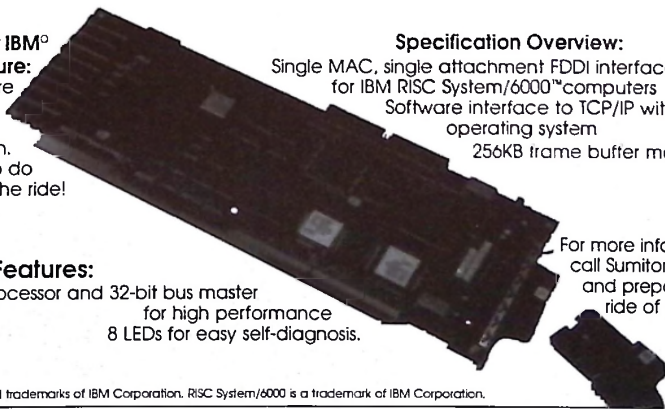
Features:

On-board processor and 32-bit bus master for high performance
8 LEDs for easy self-diagnosis.

Specification Overview:

Single MAC, single attachment FDDI interface board for IBM RISC System/6000™ computers
Software interface to TCP/IP within AIX® operating system
256KB frame buffer memory

For more information call Sumitomo Electric and prepare for the ride of your life!



IBM, Micro Channel and AIX are registered trademarks of IBM Corporation. RISC System/6000 is a trademark of IBM Corporation.

3235 Kifer Road, Suite 150, Santa Clara, CA 95051 phone:(408) 737-8517; fax: (408) 737-2660

 **SUMITOMO ELECTRIC**

Part 2. IOV Adapters — Listings by Category

Communication: Network — Other (Continued)

COMPANY: SunRiver Corporation ADDRESS: 2600 McHale Court Suite 125 Austin, TX 78758 U.S.A. PHONE: 1-512-835-8001 FAX: 1-512-835-8026	ADAPTER NAME: MC-4T SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 66EF BUS MASTER: NO AVAILABLE: 3/92 DESCRIPTION: 4-port Shielded Twisted Pair (STP) interface for networking IBM* personal computers or SunRiver monochrome, EGA or VGA multi-console terminals to 80386 PS/2* computers. Allows multiuser graphics environment for high speed work group connectivity. Supported under UNIX™, XENIX™ and VM386 computer software.
COMPANY: Sutherland-Schultz Limited ADDRESS: 859 Courtland Avenue East Kitchener, Ontario N2G 4H5 CANADA PHONE: 1-519-743-4123 FAX: 1-519-743-8612	ADAPTER NAME: 5136-SD-M Direct-Link™ Interface Card SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO POS ID: 6167 BUS MASTER: NO AVAILABLE: 4/90 DESCRIPTION: Allows direct connection between a PS/2* computer and Allen-Bradley Data Highway™, Data Highway Plus™ and Remote I/O networks. Performs message formatting, communications and error handling; PS/2* computer need only read and write memory to participate in network communications. Reduces CPU utilization, simplifies software development and greatly increases data throughput.
COMPANY: Thomas-Conrad Corp. ADDRESS: 1908-R Kramer Lane Austin, TX 78758 U.S.A. PHONE: 1-512-836-1935 / 1-800-332-8683 FAX: 1-512-836-2840	ADAPTER NAME: TC3046 100Mbps TCNS™ Adapter/MC SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 64B7 BUS MASTER: NO AVAILABLE: 4/92 DESCRIPTION: The 100Mbps TCNS™ adapter is for token-passing, distributed-star networks. It operates on fiber-optic, coax, and shielded, twisted-pair cable.
COMPANY: Ultra Network Technologies ADDRESS: 101 Daggett Drive San Jose, CA 95134 U.S.A. PHONE: 1-408-922-0100 / 1-800-775-7778 FAX: 1-408-433-9287	ADAPTER NAME: UltraNet™ Network Processor SUPPORTS: PS/2 - NO RISC System/6000 - YES Micro Channel 370 - NO POS ID: 0F8F BUS MASTER: YES AVAILABLE: 5/92 DESCRIPTION: An intelligent, high-speed network co-process for IBM* RISC System/6000* POWERstations and POWERservers, provides TCP/IP protocol processing. 250M bps serial data links connect to Ultra networking hubs and provide the highest speed connection between workstations and mainframes.
COMPANY: Vorax Corporation ADDRESS: 3-31-23 Tsukigaoka Morioka-city Iwate-pref. 020-01 JAPAN PHONE: 81-196-43-6500 FAX: 81-196-43-6501	ADAPTER NAME: TokenNet 1000 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 69DD BUS MASTER: NO AVAILABLE: 3/91 DESCRIPTION: Easy 4-wire token-passing LAN adapter card and LAN OS (12KB memory). Speed 5 Mbps NRZ. Interconnectable to PC AT* computers and Note type PCs.

Communication: Terminal Emulation — 3270

COMPANY: ATLANTIS ADDRESS: 4 avenue Condorcet 91263 Juvisy-Sur-Orge FRANCE PHONE: 33-1-69-84-60-00 FAX: 33-1-69-84-60-10	ADAPTER NAME: PRIMA PS SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 0809 BUS MASTER: NO AVAILABLE: 1/91 DESCRIPTION: Expansion adapter with 1MB RAM. Packaged as GWAY-PS to enable PS/2* computers running on a NetBIOS LAN to function as a 3278 terminal, a DKU 7107/7211 terminal and minitel terminal via dedicated line or X.25 network. OS/2* computer software version available for non-dedicated server. Packaged as SHIVA-LAN-PS offers programming interfaces to build communication software on X.25 layer and PAD with PADI service for async emulation support.
---	---

Part 2. IOV Adapters — Listings by Category

Communication: Terminal Emulation — 3270 (Continued)

COMPANY: ATLANTIS ADDRESS: 4 avenue Condorcet 91263 Juvisy-Sur-Orge FRANCE PHONE: 33-1-69-84-60-00 FAX: 33-1-69-84-60-10	ADAPTER NAME: XMEM-PS SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 0809 BUS MASTER: NO AVAILABLE: 1/91 DESCRIPTION: Expansion adapter with 512KB RAM. Marketed as part of CELENIS-X/PS to provide multi-protocol, multi-emulation with IND\$FILE, FTF, and MICROFIT file transfers, enables connection via dedicated line or X.25 network; as part of CELENIS-I/PS offers IBM* 3278/3279 terminal emulation; as part of SHIVA- M-PS offers programming interfaces to build communication software on X.25 layer and PAD with PAD1 service for async emulation support.
COMPANY: Barr Systems, Inc. ADDRESS: 4131 NW 28 Lane Gainesville, FL 32606 U.S.A. PHONE: 1-904-371-3050 / 1-800-227-7797 FAX: 1-904-371-3018	ADAPTER NAME: BARR/GATE (68BB V.35) SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 68BB BUS MASTER: NO AVAILABLE: 1/91 DESCRIPTION: The BARR/GATE SNA gateway allows an IBM* PS/2* computer on a LAN to communicate with a mainframe. BARR/GATE combines high-speed RJE (up to 384KB) and 3270 in one integrated product. It supports up to 254 simultaneous LUs, with each workstation capable of multiple 3270 sessions. LAN protocols supported include NetBIOS, Token Ring, and Novell* IPX.
COMPANY: Digital Communications Associates, Inc. ADDRESS: 1000 Alderman Drive Alpharetta, GA 30202-4199 U.S.A. PHONE: 1-404-442-4000 / 1-800-241-4762 FAX: 1-404-442-4399	ADAPTER NAME: IRMA 2** SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6E78 BUS MASTER: NO AVAILABLE: 11/87 DESCRIPTION: DCA** IRMA 2** adapter links an IBM* PS/2* computer to an IBM 3270 mainframe network. Compatible with industry-standard DCA single-session CUT-mode products (E78 Plus**, E78 Lite**) and DCA DFT products (IRMAX Multisessions**, IRMAX DFT**, IRMALAN** DFT Gateway). Sold bundled with E78 Plus software for DOS.
	ADAPTER NAME: IRMA 3** Convertible SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6E79 BUS MASTER: NO AVAILABLE: 5/89 DESCRIPTION: IRMA 3** Convertible, DCA's new 3270 terminal emulation hardware platform, has a unique dual-bus design for use in computers with the Micro Channel* architecture or ISA. Compatible with both DCA** and IBM* 3270 emulation software. Supports twisted-pair and coaxial cabling, and CUT- and DFT- mode emulation.
COMPANY: Eicon Technology Corporation ADDRESS: 2196 32nd Avenue (Lachine) Montreal, Quebec H8T 3H7 CANADA PHONE: 1-514-631-2592 FAX: 1-514-631-3092	ADAPTER NAME: 3270 Coax Adapter/MC** SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6767 BUS MASTER: NO AVAILABLE: 8/91 DESCRIPTION: 3270 emulation adapter for IBM* PS/2* computers with Micro Channel* bus. Compatible with IBM and IRMA** interfaces. Permits connection to IBM 3X74 controllers using coaxial cable or twisted pair. Available with Eicon** Access** for Windows**, Access for DOS, or Access for OS/2* computer software.
COMPANY: FARABI Corp. ADDRESS: 2439 Guenette Street St. Laurent, Quebec H4R 2E9 CANADA PHONE: 1-514-332-3455 FAX: 1-514-332-3915	ADAPTER NAME: SITER 2 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6F78 BUS MASTER: NO AVAILABLE: 9/88 DESCRIPTION: A micro-to-mainframe coax connection that provides true Arabic/Latin emulation of a 3278, 3279 or 3179 display. It supports XBASIC/XCOM2 code sets and remains transparent to "Arabized" operating systems.

Part 2. IOV Adapters — Listings by Category

Communication: Terminal Emulation — 3270 (Continued)

-
- | | |
|---|---|
| COMPANY: Innovative Electronics, Inc.
ADDRESS: 10110 USA Today Way
Miramar, FL 33025-3901
U.S.A.
PHONE: 1-305-432-0300
FAX: 1-305-432-0705 | ADAPTER NAME: DS-11/M
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6234
BUS MASTER: NO
AVAILABLE: 3/90
DESCRIPTION: The DS-11/M is a communication controller board using an 80C186 CPU with up to 1MB of memory. Use mainly in 3270 communications applications in retail systems. |
|---|---|
-
- | | |
|---|---|
| COMPANY: IRISCO Technologie Inc.
ADDRESS: 4820, boulevard Henri-Bourassa
Charlesbourg, Quebec G1H 3A7
CANADA
PHONE: 1-418-623-3834
FAX: 1-418-623-8265 | ADAPTER NAME: IRIScom III Coax Adapter for IBM* Micro Channel* Architecture
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 67EA
BUS MASTER: NO
AVAILABLE: 4/91
DESCRIPTION: 3270 terminal emulation adapter emulating both IRMA™ (CUT) and IBM* (CUT/DFT) adapters. Connection to a 3174, 3274 or compatible controller via coaxial or twisted pair cables. |
|---|---|
-
- | | |
|---|---|
| COMPANY: Lognet Systems Ltd.
ADDRESS: P.O. Box 5665
Migdal Haemek 10500
ISRAEL
PHONE: 972-6-542-811
FAX: 972-6-547-619 | ADAPTER NAME: Coax Plus
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6AA6
BUS MASTER: NO
AVAILABLE: 6/89
DESCRIPTION: 3270 terminal and host addressable printer emulator with file transfer. |
|---|---|
-
- | | |
|--|--|
| COMPANY: LONGSHINE ELECTRONIC CO.
ADDRESS: 6F, 245, Sec. 3, Roosevelt Road
Taipei
TAIWAN, Republic of China
PHONE: 886-2-363-4958
FAX: 886-2-362-8810 | ADAPTER NAME: ShineLink 3270 Terminal Emulator (LCS-8848/II)
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 65F1
BUS MASTER: NO
AVAILABLE: 7/88
DESCRIPTION: An IBM* 3278/79 terminal emulator. It offers a native mode coaxial connection to 3174, 3274, 3276 and Integral Terminal Controllers. The card supports file transfer under TSO, CMS and CICS environment. It is fully compatible with IRMA™ and IBM emulation software. |
|--|--|
-
- | | |
|--|--|
| COMPANY: Memorex Telex Corporation
ADDRESS: 6929 North Lakewood Road
Tulsa, Oklahoma 74117
U.S.A.
PHONE: 1-918-272-7411 / 1-800-331-2623 in
OK; 1-800-522-0822 elsewhere
FAX: 1-708-955-3996 | ADAPTER NAME: Memorex Telex 6508 SSI LINK-MC Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 62F4
BUS MASTER: NO
AVAILABLE: 10/91
DESCRIPTION: The 6508 SSI LINK-MC adapter card, along with the appropriate software, provides 3270 emulation capabilities for Micro Channel architecture bus-based personal computers. The adapter supports 3270 communications via twisted pair wiring to a Memorex Telex 6500 Multifunction Communication System (MCS). |
|--|--|
-
- | | |
|---|--|
| COMPANY: Micro-Integration Corp.
ADDRESS: 215 Paca Street
Cumberland, MD 21502
U.S.A.
PHONE: 1-301-777-3313 / 1-800-832-4526
FAX: 1-301-777-3462 | ADAPTER NAME: 3270 Local Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6FF3
BUS MASTER: NO
AVAILABLE: 5/87
DESCRIPTION: Allows PS/2* computers to emulate an IBM* 3278 or 3279 terminal, or DFT with as many as five concurrent 3270 sessions. Windowing lets you manage host sessions and up to two notepad sessions on the screen at once. Supports both high- and low-level API. |
|---|--|
-
- | | |
|--|--|
| COMPANY: Multi-Tech Systems, Inc.
ADDRESS: 2205 Woodale Drive
Mounds View, MN 55112
U.S.A.
PHONE: 1-612-785-3500 / 1-800-328-9717
FAX: 1-612-785-9874 | ADAPTER NAME: MultiCom3270PS™ Terminal Emulation Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6043
BUS MASTER: NO
AVAILABLE: 2/89
DESCRIPTION: Interconnects PCs to IBM* 3174, 3274 or 3276 cluster controllers using Type-2 coaxial cabling. Consists of an interface board and MultiCom3270 + file transfer software. Allows terminal emulation and file transfers between IBM mainframes and PCs within the 3270 environment. Specific 3270 terminals emulated are the 3278 Models 2, 3, 4 and 5, and the 3279 Models 2 and 3. DFT applications support Models 2, 3, 4 and 5 terminal emulation only. |
|--|--|
-

Part 2. IOV Adapters — Listings by Category

Communication: Terminal Emulation — 3270 (Continued)

COMPANY: NCP engineering GmbH
ADDRESS: Dombuhler Strasse 2
W-8500 Nurnberg 60
FEDERAL REPUBLIC OF GERMANY
PHONE: 49-0911-99-68-0
FAX: 49-0911-6-31-21-72

ADAPTER NAME: NCPe 3270 COAX/2
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6B06
BUS MASTER: NO
AVAILABLE: 9/88
DESCRIPTION: The processor board NCPe 3270 COAX/2 provides for attachment of PS/2* computers and compatible systems to a control unit 3174, etc. CUT and DFT operation modes are supported. Softloading via microcode. Diagnostic and self-tests. High speed performance. Compatible with IBM* and IRMA* products.

ADAPTER NAME: NCPe 3270 MULTIBOARD/2
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6B84
BUS MASTER: NO
AVAILABLE: 1/88
DESCRIPTION: PC-to-mainframe link for SDLC protocol and X.25 interfaces. 3270 gateway for up to 32 PCs and printers. Very low memory requirements. Excellent performance. SNA protocol for LU types 1-3. 3270 protocol. Integrated 3270 emulation for up to 32 host sessions. Interface to IRMA* products.

COMPANY: Network Controls International, Inc.
(NCI)
ADDRESS: Nine Woodlawn Green
Suite 120
Charlotte, NC 28217
U.S.A.
PHONE: 1-704-527-4357
FAX: 1-704-523-3502

ADAPTER NAME: NCI* 4700 PCI/MC*
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 7FD5
BUS MASTER: NO
AVAILABLE: 11/88
DESCRIPTION: A cost-effective connectivity board for PS/2* computers allowing 3278/9 emulation via DCA* attachment to IBM* 4700 Finance System. Features include remote IPL, virtual volume support and diskette drive disable for protection against computer viruses—all in a single slot.

COMPANY: Rabbit Software Corporation
ADDRESS: Seven Great Valley Parkway East
Malvern, PA 19355
U.S.A.
PHONE: 1-215-647-0440 / 1-800-722-2482
FAX: 1-215-640-1379

ADAPTER NAME: Rabbit RB62 Coaxial Communications Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6293
BUS MASTER: NO
AVAILABLE: 5/91
DESCRIPTION: Coaxial adapter for Category A (3270) coax terminal emulation. Provides a single coax connection to 3X74 controllers. Available with DFT gateway software.

ADAPTER NAME: Rabbit RB78 Coaxial Communications Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6092
BUS MASTER: NO
AVAILABLE: 7/88
DESCRIPTION: Coaxial adapter for Category - A (3270) coax terminal emulation. Provides a single coax connection to 3X74 controller. Available with CUT, DFT, and 3299 gateway software.

COMPANY: Software Dynamics, Incorporated
ADDRESS: P.O. Box 247
Dunedin, FL 34697-0247
U.S.A.
PHONE: 1-813-733-8784
FAX: 1-813-736-1258

ADAPTER NAME: Software Dynamics MPCC/2
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 60A1
BUS MASTER: NO
AVAILABLE: 9/88
DESCRIPTION: Dual channel synchronous communications adapter.

COMPANY: Wall Data Incorporated
ADDRESS: 17769 NE 78th Place
Redmond, WA 98052
U.S.A.
PHONE: 1-206-883-4777
FAX: 1-206-885-9250

ADAPTER NAME: RUMBA* DFT Coprocessor
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 617B
BUS MASTER: NO
AVAILABLE: 6/90
DESCRIPTION: A 3270 adapter card for the IBM* Micro Channel* architecture that supports the IBM DFT and CUT protocols. Addresses and interrupts are fully configurable.

Part 2. IOV Adapters — Listings by Category

Communication: Terminal Emulation — 5250

COMPANY: Computer Lab International
ADDRESS: 4749 Wesley Drive
Anaheim, CA 92807
U.S.A.
PHONE: 1-714-779-2662 / 1-800-727-5250
FAX: 1-714-779-2316

ADAPTER NAME: CLI 5250EMC Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 614E
BUS MASTER: NO
AVAILABLE: 4/90
DESCRIPTION: A hardware and software combination that allows local PC access to the IBM* System/34, System/36, System/38 and AS/400* mini computers. Includes an adapter handler for full AS/400 PC Support compatibility.

COMPANY: IDEAssociates, Inc.
ADDRESS: 29 Dunham Road
Billerica, MA 01821
U.S.A.
PHONE: 1-508-663-6878 / 1-800-257-5027
FAX: 1-508-663-8851

ADAPTER NAME: IDEAcomm** 5250/Remote Gateway
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5F51
BUS MASTER: NO
AVAILABLE: 6/88
DESCRIPTION: Allows IBM* PS/2* computers on an IBM Token-Ring network to access a remote IBM System/36, System/38 or AS/400* system via an external synchronous modem.

ADAPTER NAME: IDEAcomm** 5251/Gateway Plus
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6060
BUS MASTER: NO
AVAILABLE: 6/88
DESCRIPTION: Links IBM* PS/2* computers on an IBM Token-Ring network to the IBM System/36, System/38 or AS/400* system. Allows concurrent access of up to 10 separate midrange systems from a single network.

ADAPTER NAME: IDEAcomm** 5251/OS
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6262
BUS MASTER: NO
AVAILABLE: 9/89
DESCRIPTION: Provides local communications to the IBM* System/36, System 38 or AS/400* system for the PS/2* computers running IBM OS/2* computer software with Presentation Manager* application.

COMPANY: Maple Computer Corporation
ADDRESS: 12F-2, No. 189, Sec. 2
Chang-An East Road
Taipei
TAIWAN, R.O.C.
PHONE: 886-2-740-6617
FAX: 886-2-771-4596

ADAPTER NAME: M5250MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6271
BUS MASTER: NO
AVAILABLE: 12/91
DESCRIPTION: This emulation product allows reliable emulation of IBM* 5250 devices by attaching directly with twinaxial cable to IBM S/36, S/38, AS/400* systems and 5251-12, 5294/5394 controllers.

COMPANY: Micro-Integration Corp.
ADDRESS: 215 Paca Street
Cumberland, MD 21502
U.S.A.
PHONE: 1-301-777-3313 / 1-800-832-4526
FAX: 1-301-777-3462

ADAPTER NAME: 5250 Local Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 63FF
BUS MASTER: NO
AVAILABLE: 5/87
DESCRIPTION: Allows PS/2* computers to emulate up to seven 5250 devices using DOS, Windows**, or OS/2* computer software. Gateway software allows PS/2 computers to act as gateways into a NetBIOS LAN or an IPX/SPX LAN, and route data for up to 16 node personal computers. Up to six gateway adapters can run on one PS/2 computer.

COMPANY: Multi-Tech Systems, Inc.
ADDRESS: 2205 Woodale Drive
Mounds View, MN 55112
U.S.A.
PHONE: 1-612-785-3500 / 1-800-328-9717
FAX: 1-612-785-9874

ADAPTER NAME: MultiCom 5250/Model #PS5250/MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6DEB
BUS MASTER: YES
AVAILABLE: 5/91
DESCRIPTION: A twinaxial half-card for IBM* PS/2* Model 50, 60, 70 and 80 computers and compatibles. When used with MC5250PC local emulation software, allows PS/2 computers to connect to IBM 5251-12, 5294, or 5394 controllers or directly to AS/400* or S/3x midrange computers via twinax cable or via twisted pair wire. Emulates a variety of IBM displays and printers.

Part 2. IOV Adapters — Listings by Category

Communication: Terminal Emulation — 5250 (Continued)

COMPANY: Multi-Tech Systems, Inc.
ADDRESS: 2205 Wooddale Drive
Mounds View, MN 55112
U.S.A.
PHONE: 1-612-785-3500 / 1-800-328-9717
FAX: 1-612-785-9874

ADAPTER NAME: MultiCom PSG 5250/Model #PSG5250/LGW
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 60EB
BUS MASTER: YES
AVAILABLE: 7/91
DESCRIPTION: Twinaxial half-card for IBM* PS/2* Model 50, 60, 70 and 80 computers and compatibles. Allows PS/2 computer to function as a local gateway in an IBM NetBIOS-compatible local area network. Gateway is connected via twinax cable or twisted pair wire to an IBM 5251-12, 5294 or 5394 control unit which attaches to an AS/400* or S/3X midrange computer. PSG5250 routes information for up to 7 node sessions distributed to other PS/2 computers.

COMPANY: MUX LAB INC.
ADDRESS: 165 Graveline
St. Laurent, Quebec H4T 1R3
CANADA
PHONE: 1-514-735-2741 / 1-800-361-1965
FAX: 1-514-735-8057

ADAPTER NAME: EMLS250**
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 603F
BUS MASTER: NO
AVAILABLE: 11/88
DESCRIPTION: Hardware and software emulation package to allow your IBM* PS/2* computers complete connectivity to System/36, System/38 or AS/400* mid-range computers with up to 7 sessions.

ADAPTER NAME: EMLGATE**
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 603F
BUS MASTER: NO
AVAILABLE: 11/88
DESCRIPTION: Hardware and gateway software emulation package to allow your IBM* PS/2* computers complete connectivity between your LAN and System/36, System/38 and AS/400* mid-range computers with multiple host sessions and network printer redirection.

COMPANY: Praim S.r.L.
ADDRESS: via Cosimo del Fante, 14
Milan 20122
ITALY
PHONE: 39-2-583-000-11
FAX: 39-2-583-083-29

ADAPTER NAME: 5250 60 Cal Emulation Card Mod. 3M50
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 69F2
BUS MASTER: NO
AVAILABLE: 1/91
DESCRIPTION: 5250 local emulation card Mod. 3M50 allows any IBM* PS/2* computer with Micro Channel* architecture to emulate a terminal working on the 5250 protocol. It attaches directly to AS/400*, System/36, System/38, or their control units.

COMPANY: Sherwood Digital Electronics Corp.
ADDRESS: 2252 South 3600 West
Salt Lake City, UT 84119
U.S.A.
PHONE: 1-801-972-3453
FAX: 1-801-973-8042

ADAPTER NAME: IO 8251MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 70C9
BUS MASTER: NO
AVAILABLE: 3/91
DESCRIPTION: A hardware and software product that provides twinax connectivity between an IBM* PS/2* computer and IBM AS/400*. System/36, System/38 midrange systems and 8394 communications controller. Up to seven workstation or printer sessions are supported. The expansion adapter supports PC Support 36, 38, 400 and well as Office/400.

COMPANY: Synapse Communications, Inc.
ADDRESS: P.O. Box 550
Ashland, MO 65010
U.S.A.
PHONE: 1-314-443-8000
FAX: 1-314-874-3032

ADAPTER NAME: WinTwin**
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6EA0
BUS MASTER: NO
AVAILABLE: 2/91
DESCRIPTION: A hardware and software product providing twinax connectivity between an IBM* PS/2* computer running Microsoft** Windows** software and IBM AS/400*, S/36 or S/38 systems. Compatible with PC Support/400 and OfficeVision*, the product emulates up to seven 5250 display or printer devices and provides many operator productivity features.

Part 2. IOV Adapters — Listings by Category

Communication: Terminal Emulation — RJE

COMPANY: Barr Systems, Inc.
ADDRESS: 4131 NW 28th Lane
Gainesville, FL 32606
U.S.A.
PHONE: 1-904-371-3050 / 1-800-227-7797
FAX: 1-904-371-3018

ADAPTER NAME: BARR/68BBB
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 68BBB
BUS MASTER: NO
AVAILABLE: 3/88
DESCRIPTION: Adapter that supports full line of BARR RJE communications software for high-speed RJE and printing from an IBM* PS/2* computer to a host. Protocols supported include SNA RJE, 3270, HASP and 3780. Barr's SNA LAN Gateway supports up to 254 simultaneous RJE and 3270 sessions. Available host connections include: RS232, V.35 or X.21. BARR RJE can support printing to S/370 channel-attached printers with speeds to 30,000 lpm.

COMPANY: CLEO Communications
ADDRESS: 3796 Plaza Drive
Ann Arbor, MI 48108
U.S.A.
PHONE: 1-313-662-2002 / 1-800-233-2536
FAX: 1-313-662-1965

ADAPTER NAME: 3780Plus** MC/SIB
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 6EFF
BUS MASTER: NO
AVAILABLE: 8/88
DESCRIPTION: Provides complete 3780/2780 emulation including scripting Command Language, API, transparent text, vertical/horizontal forms control and unattended operations. Available on SDLC card, 201, 208 or V.32 modem boards as well as an external communications processor. In addition, MIRROR** Asynchronous emulation software available for our modems. Supports Microsoft** DOS, AIX*, UNIX** and XENIX** operating systems.

COMPANY: MicroGate Corporation
ADDRESS: 9501 Capital of Texas Highway
Suite 105
Austin, TX 78759
U.S.A.
PHONE: 1-512-345-7791 / 1-800-444-1982
FAX: 1-512-343-9046

ADAPTER NAME: MicroGate** 3780
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 7200
BUS MASTER: NO
AVAILABLE: 9/87
DESCRIPTION: Provides 2780/3780 emulation under DOS 3.0 or later for RJE, EDI, EFT, POS, IRS/EFS, and other BSC applications. Features interactive / batch operation; batch command language; background file transfer; unattended operation; on-line help; concurrent DOS sessions; communications trace; session logging. High-level language API available.

COMPANY: Passport Communications, Inc.
ADDRESS: 1101 South Capital of Texas Highway
Suite 250-F
Austin, TX 78746
U.S.A.
PHONE: 1-512-328-9830 / 1-800-767-9583
FAX: 1-512-328-4773

ADAPTER NAME: Exchange Series** Sync Interface Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - YES
POS ID: 6578
BUS MASTER: NO
AVAILABLE: 5/87
DESCRIPTION: The Exchange Series** adapter provides complete emulation of BSC/3780 RJE workstations, SNA/SDLC 3777-4 RJE workstations and 3270 devices (including powerful script language). Features InterBatch** Control Facility for concurrent processing of RJE and 3270 datastreams.

Communication: Terminal Emulation — SNA/SDLC/BSC

COMPANY: Advanced Microcomputer Systems, Inc.
ADDRESS: 1321 NW 65th Place
Fort Lauderdale, FL 33309
U.S.A.
PHONE: 1-305-975-9515 / 1-800-972-3733
FAX: 1-305-975-9698

ADAPTER NAME: MPCC 1
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 507F
BUS MASTER: NO
AVAILABLE: 2/88
DESCRIPTION: The MPCC handles asynchronous format, synchronous byte oriented protocols such as IBM* Bisync as well as synchronous bit oriented protocols such as HDLC and IBM SDLC.

COMPANY: Attachmate Corporation
ADDRESS: 13231 SE 36th Street
Bellevue, WA 98006
U.S.A.
PHONE: 1-206-644-4010 / 1-800-426-6283
FAX: 1-206-747-9924

ADAPTER NAME: Advanced SDLC/2 Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 62BF
BUS MASTER: NO
AVAILABLE: 8/92
DESCRIPTION: Intelligent SDLC adapter capable of 64K bps. Designed for gateway to host connection.QX

Part 2. IOV Adapters — Listings by Category

Communication: Terminal Emulation — SNA/SDLC/BSC (Continued)

COMPANY: Comtes GmbH ADDRESS: Osterdeich 110 D-2800 Bremen 1 FEDERAL REPUBLIC OF GERMANY PHONE: 49-421-49992-0 FAX: 49-421-49992-80	ADAPTER NAME: SDX SNA 3270/3770 on X.25/SDLC Lines SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6BA5 BUS MASTER: NO AVAILABLE: 4/89 DESCRIPTION: Adapter for micro to mainframe communication over X.25 packet switched, X.21 circuit switched and SDLC networks. Provides SNA 3270 with PU Type 2 LU Type 1, 2, 3 emulation including INDS file transfer and active resident operation. EEHL-API V.1.21 and PS-API V.3.0 are supported. Offers SNA 3770 RJE emulation with card reader, punch and line printer support.
COMPANY: Digital Communications Associates, Inc. ADDRESS: 1000 Alderman Drive Alpharetta, GA 30202-4199 U.S.A. PHONE: 1-404-442-4000 / 1-800-241-4762 FAX: 1-404-442-4399	ADAPTER NAME: DCA™ Synchronous Communications Adapter (SCA) SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6E7A BUS MASTER: NO AVAILABLE: 4/89 DESCRIPTION: The DCA™ Synchronous Communications Adapter is used with DCA emulation software to allow a PC to emulate a remote workstation linked to an IBM mainframe. Provides BSC and SDLC serial data modes. Compatible with DCA's IRMAremote™, IRMA™ Workstation for DOS, IRMA Workstation for Windows™ software.
COMPANY: Elettronica Sillaro S.R.L. ADDRESS: Via Meucci, 11 Castel S. Pietro Terme (BO) 40024 ITALY PHONE: 39-51-94-06-09 FAX: 39-51-94-17-37	ADAPTER NAME: ES™-476 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6A92 BUS MASTER: NO AVAILABLE: 6/90 DESCRIPTION: Synchronous communications board designed to support Bisync, SDLC and HDLC protocols using V.24 interface up to 9600 bps. Software support is available for 3270 (SNA and BSC) devices and for VIP (7700-7800). LAN environments are supported.
COMPANY: INCAA Datacom B.V. ADDRESS: P.O. Box 211 7300 AE Apeldoorn THE NETHERLANDS PHONE: 31-055-551-262 FAX: 31-055-558-381	ADAPTER NAME: CCP-PS-V-0900 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 68EE BUS MASTER: NO AVAILABLE: 7/91 DESCRIPTION: This BSC adapter supports apart from the 2760/3780 prim/sec, 3270 slave/master and 3741 protocols, also Async protocols as Xon/Xoff, DTR/CTS, ENQ/ACK and Async block protocol. The enhanced configuration facility allows for advanced port control and data conversion. Maximum speed: 19,200 bps. Maximum 16 concurrent sessions.
	ADAPTER NAME: CCP-PS-V-0930 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 68EE BUS MASTER: NO AVAILABLE: 7/91 DESCRIPTION: BSC 3270 slave adaptor with both 3278 terminal and 3287 printer emulation. 2 sessions are supported, enabling printer pass through. No PC-processor/memory claim, due to on-board intelligent processor. Speed up to 19.2k bps. Additional software allows fully flexible keyboard configuration.
	ADAPTER NAME: CCP-PS-V-3900 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 68EE BUS MASTER: NO AVAILABLE: 7/91 DESCRIPTION: Controller for SDLC/SNA 3270/3770 communication with file transfer. The enhanced configuration facilities allow advanced port control and data conversion. The on-board processor frees the PS/2™ computer processor and memory. 8 concurrent sessions are supported. Maximum speed: 19,200 bps.

Part 2. IOV Adapters — Listings by Category

Communication: Terminal Emulation — SNA/SDLC/BSC (Continued)

COMPANY: Micro-Integration Corp. ADDRESS: 215 Paca Street Cumberland, MD 21502 U.S.A. PHONE: 1-301-777-3313 / 1-800-832-4526 FAX: 1-301-777-3462	ADAPTER NAME: Remote Communications Adapter SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6BF8 BUS MASTER: NO AVAILABLE: 5/87 DESCRIPTION: When combined with appropriate emulation software, allows PS/2* computers to connect via SDLC to IBM* midrange or mainframe systems. Devices supported: 5250 and 3270 single stations or gateways, 3270 Bisync and 3780 Remote RJE.
COMPANY: Rabbit Software Corporation ADDRESS: Seven Great Valley Parkway East Malvern, PA 19355 U.S.A. PHONE: 1-215-647-0440 / 1-800-722-2482 FAX: 1-215-640-1379	ADAPTER NAME: Rabbit RB74 Remote Communications Processor SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 60DF BUS MASTER: NO AVAILABLE: 2/89 DESCRIPTION: Intelligent communications adapter. Provides two full-duplex serial links, 80186 microprocessor, and 512K bytes RAM on board. Available with software for SNA/SDLC, BSC, X.25 and QLLC communications.
	ADAPTER NAME: Rabbit RB75 Remote Communications Processor SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 613D BUS MASTER: NO AVAILABLE: 2/90 DESCRIPTION: Intelligent communications adapter. Provides two full-duplex serial links, 80186 microprocessor and 1MB RAM on board. Available with software for SNA/SDLC, BSC, X.25 and QLLC communications.
	ADAPTER NAME: Rabbit RB77 Remote Communications Adapter SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO POS ID: 5077 BUS MASTER: NO AVAILABLE: 9/89 DESCRIPTION: Communications adapter featuring Z8530 SCC communications controller IC. DMA, interrupt, and polled operation supported. Available with SNA/SDLC and BSC software.

Communication: Terminal Emulation — Other

COMPANY: AT Systems Associates, Inc. ADDRESS: 12 Greenway Plaza Suite 1100 Houston, TX 77046 U.S.A. PHONE: 1-713-621-7041 FAX: 1-713-623-0030	ADAPTER NAME: NCR™ 796 Terminal Emulator SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 63FE BUS MASTER: NO AVAILABLE: 3/88 DESCRIPTION: 796-301 Emulator Plus allows PS/2* computers to attach to NCR™ mainframe in a polled asynchronous environment.
COMPANY: Comtes GmbH ADDRESS: Osterdeich 110 D-2800 Bremen 1 FEDERAL REPUBLIC OF GERMANY PHONE: 49-421-49992-0 FAX: 49-421-49992-80	ADAPTER NAME: SDX 9750 on X.25 Lines SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6BA5 BUS MASTER: NO AVAILABLE: 4/90 DESCRIPTION: Adapter for micro to Siemens BS2000/Transdata communication over X.25 packet-switched networks. Provides 9751-25 display as single- or multi-session and file transfer NCOPY/BS2000.
	ADAPTER NAME: SDX X.25 PAD Adapter SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6BA5 BUS MASTER: NO AVAILABLE: 4/90 DESCRIPTION: Adapter for VT 100, 220 i g emulation over X.25 packet-switched networks including file transfer, BTX-decoder, mailbox and programmable automatic operation.

Part 2. IOV Adapters — Listings by Category

Communication: Terminal Emulation — Other (Continued)

COMPANY: INCAA Datacom B.V.
ADDRESS: P.O. Box 211
7300 AE Apeldoorn
THE NETHERLANDS
PHONE: 31-055-551-262
FAX: 31-055-558-381

ADAPTER NAME: CCP-PS-V-990
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 68EE
BUS MASTER: NO
AVAILABLE: 7/91
DESCRIPTION: The Burroughs Poll/Select adapter also supports async Xon/Xoff, DTR/CTS and ENQ/ACK protocols. With the enhanced async configuration facilities, advanced port control and data conversion are possible. 16 concurrent sessions are supported. Maximum speed: 19,200 bps. The use of an intelligent processor avoids PS/2* computer processor and memory claims.

ADAPTER NAME: CCP-PS-V-9910
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 68EE
BUS MASTER: NO
AVAILABLE: 7/91
DESCRIPTION: Adapter for async Xon/Xoff, DTR/CTS, ENQ/ACK and block protocols. In enhanced configuration mode advanced interface control is achieved, while data can be manipulated to any format. Speed is 19,200 bps.

COMPANY: Infotext Systems, Inc.
ADDRESS: 1050 North National Parkway
Schaumburg, IL 60173
U.S.A.
PHONE: 1-708-490-1155 / 1-800-366-6550
FAX: 1-708-490-0485

ADAPTER NAME: FEP III
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 7FE4
BUS MASTER: NO
AVAILABLE: 3/89
DESCRIPTION: Front end processing board to interface PS/2* computers to PBX SMDR data for Infotext OS call accounting product family.

COMPANY: INTER-IBEX AG
ADDRESS: Ueberlandstrasse 105
8600 Duebendorf
SWITZERLAND
PHONE: 41-1-821-66-08
FAX: 41-1-821-66-16

ADAPTER NAME: Terminal Emulation Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6A51
BUS MASTER: NO
AVAILABLE: 6/90
DESCRIPTION: Packaged as ibex** ALIAS-70 to provide NIXDORF 8870/QUATTRO terminal emulation (DAP4, BA80) with up to 2 screens (master/slave) and printer support, fast file transfer and print-to-disk function; ibex ALIAS-60S for NIXDORF 8860/62/64 terminal emulation with up to 8 screen sessions and 2 printers; ibex ALIAS-60NET for NIXDORF 8860/62/64 gateway for all network stations over IPX/SPX or NetBIOS protocol.

COMPANY: Network Controls International, Inc.
(NCI)
ADDRESS: Nine Woodlawn Green
Suite 120
Charlotte, NC 28217
U.S.A.
PHONE: 1-704-527-4357
FAX: 1-704-523-3502

ADAPTER NAME: NCI** 4700 Banking Card/MC**
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 7F3F
BUS MASTER: NO
AVAILABLE: 11/88
DESCRIPTION: The NCI** 4700 Banking Card/MC** is a universal B-Loop adapter that attaches B-Loop printers and other devices to an IBM* PS/2* computer; attaches PS/2 computers to the B-Loop; and allows an IBM Proprietary* to attach to the B-Loop. The adapter operates in either an IBM Token-Ring LAN or IBM 4700 Network environment.

COMPANY: Semco Italia S.r.L.
ADDRESS: Via Galileo Galilei NR.180/A
41100 Modena
ITALY
PHONE: 39-(0)59-35-88-68
FAX: 39-(0)59-34-12-53

ADAPTER NAME: COMLIB 2 - Synchronous/Asynchronous Adapter for Library Applications
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 69E7
BUS MASTER: NO
AVAILABLE: 4/91
DESCRIPTION: Includes adapter for the Micro Channel* bus, a terminal emulation package VIP 78XX (BULL) and 3270 in BSC and a program of recognition and creation of any non-standard character. Consistent with "SBN" European standard regarding the cataloguing of texts in original language. Controls sets ISO 5426/5428/6937 and GOST 19768 including all European set as well as the Russian set. Drives both impact and laser printers.

Part 2. IOV Adapters — Listings by Category

Communication: Terminal Emulation — Other (Continued)

COMPANY: Semco Italia S.r.L.
ADDRESS: Via Galileo Galilei NR.180/A
41100 Modena
ITALY
PHONE: 39-(0)59-35-88-88
FAX: 39-(0)59-34-12-53

ADAPTER NAME: S.905M Synchronous Emulation Adaptor for Micro Channel*
Architecture
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 69E7
BUS MASTER: NO
AVAILABLE: 2/91
DESCRIPTION: Hardware/software package for emulation of synchronous protocols
VIP 7800 (Bull Honeywell) running on PS/2* computers with Micro
Channel* architecture. BSC interface board and 2 main emulation
programs are included. EVIP display emulation VIP 7854-74 VTU
041-51 Questar 210 with hardcopy print. GTBH bank-type workstation
emulation GTBH 3072/73 - 4/XX - Nokia and others. S.906M daughter
card available for multidrop connection.

Communication: X.25

COMPANY: ADAX Inc.
ADDRESS: 614 Bancroft Way
Berkeley, CA 94710
U.S.A.
PHONE: 1-510-548-7047
FAX: 1-510-548-5526

ADAPTER NAME: APC-MCX
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6240
BUS MASTER: NO
AVAILABLE: 11/91
DESCRIPTION: The APC-MCX with ADAX software allows X.25, frame relay or SDLC
operation under UNIX™ operating system at speeds up to 2M bits per
second on both ports. Extra software using UNIX operating system
stream modules allows the creation of LAN/WAN gateways, X.25
switches and frame relay switches.

Alcatel TITN Inc., the world's leading provider of X.25, Presents its connectivity solution for Micro Channel® bus-based systems.

- ▼ RS232D/V.24/Sync/Async and optional V.35
- ▼ Supports full duplex host DMA channels
- ▼ Speeds to 64 kbps
- ▼ ISA and Micro Channel architecture connectivity
- ▼ Full one year warranty
- ▼ Unmatched price performance
- ▼ Streams X.25/3/28/29 software available
- ▼ Worldwide X.25 PSDN certification guarantee

One stop shopping for X.25, Frame Relay and OSI



7011 Koll Center Parkway, Suite 200, Pleasanton, CA 94566-3101, (510) 484-5674; fax: (510) 484-4078
12030 Sunrise Valley Drive, Suite 450, Reston, VA 22091-3409, (703) 715-0800; fax: (703) 715-0804

Micro Channel is a registered trademark of IBM Corporation.

Part 2. IOV Adapters — Listings by Category

Communication: X.25 (Continued)

COMPANY: Alcatel TITN Inc. ADDRESS: 7011 Koll Center Parkway Suite 200 Pleasanton, CA 94566 U.S.A. PHONE: 1-510-484-5674 FAX: 1-510-484-4078	ADAPTER NAME: NI-COM Board SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - YES POS ID: 6126 BUS MASTER: NO AVAILABLE: 1/92 DESCRIPTION: The Alcatel TITN Inc. NI-COM Board is a multi-protocol communications board providing low cost X.25 connectivity. The board uses a Z85230 ESCC, Host DMA channels to provide full duplex support. Provides RS232D / V.25 / Synch / Async full duplex port. Supports speeds up to 64 bps.
COMPANY: Comtes GmbH ADDRESS: Osterdeich 110 D-2800 Bremen 1 FEDERAL REPUBLIC OF GERMANY PHONE: 49-421-49992-0 FAX: 49-421-49992-80	ADAPTER NAME: SDX X.25-COX-API SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6BA5 BUS MASTER: NO AVAILABLE: 6/89 DESCRIPTION: X.25 adapter with application programmable interface (API) in form of a DOS device driver. The software interface is distributed free on request.
COMPANY: Dassault Automatismes et Telecommunications ADDRESS: 9, rue Elsa Triolet Zone Industrielle Les Gatines 78370 Plaisir FRANCE PHONE: 33-1-30-81-24-10 FAX: 33-1-30-54-76-01	ADAPTER NAME: MC-FUT SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6A84 BUS MASTER: NO AVAILABLE: 3/91 DESCRIPTION: High performance X.25 adapter with application development tools. Main characteristics: link rates up to 128K bits per second, 512KB or 1MB of DRAM, complete V24/V28 (RS-232D) interface with optional daughter board for V35 or RS530:449.
COMPANY: INCAA Datacom B.V. ADDRESS: PO. Box 211 7300 AE Apeldoorn THE NETHERLANDS PHONE: 31-055-551-262 FAX: 31-055-558-381	ADAPTER NAME: CCP-PS-V-4900 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 68EE BUS MASTER: NO AVAILABLE: 7/91 DESCRIPTION: Adapter for HDLC/X.25 communication. The enhanced mode facilities allow advanced port control and data conversion. Maximum 8 concurrent sessions are supported with a maximum speed of 19,200 bps. Async Xon/Xoff, ENQ/ACK and async block protocols are also implemented. The on-board processor frees the PS/2* computer processor and memory.
	ADAPTER NAME: CCP-PS-V-4940 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 68EE BUS MASTER: NO AVAILABLE: 7/91 DESCRIPTION: X.25-PAD with 1 SVC and maximum 3 PVCs. Complies with X.25, X3, X.28 and X.29. All functions are handled on board, thus freeing PC from memory and processor overheads. Selectable speed up to 19,200 bps.
COMPANY: Newport Systems Solutions, Inc. ADDRESS: 4019 Westerly Place Suite 103 Newport Beach, CA 92660 U.S.A. PHONE: 1-714-752-1511 / 1-800-368-6533 FAX: 1-714-752-8389	ADAPTER NAME: X.25 Communications Interface, XCI SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 616A BUS MASTER: NO AVAILABLE: 12/91 DESCRIPTION: XCI, X.25 Communications Interface, is a high-performance Micro Channel* bus communications interface (hardware and software) for the Novell™ NetWare™ Access Server, V1.2 and above. Supports 2 ports at speeds up to 384 Kbps, with V.35, RS-232, RS-422 or X.21 line interfaces. Supports CCITT 1988 Rec.

Part 2. IOV Adapters — Listings by Category

Communication: X.25 (Continued)

COMPANY: Seel Ltd ADDRESS: 3 Young Square, Brucefield Industrial Park Livingston, West Lothian EH54 9BJ Scotland UNITED KINGDOM PHONE: 44-506-411-503 FAX: 44-506-417-016	ADAPTER NAME: X-Comm/M SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - YES POS ID: 71CD BUS MASTER: NO AVAILABLE: 5/91 DESCRIPTION: A high-performance X.25 communications controller with network attachment via V.24 and X.21 interfaces at line speeds up to 2.048 Mbps. Device drivers are available for Microsoft™ DOS, IBM® AIX®, and UNIX™ operating systems. The AIX driver supports the IBM Application Program Interface (API), TCP/IP and X.29 protocols.
COMPANY: SYNAPTEL ADDRESS: 13, avenue Morane Saulnier Le Mermoz 78140 Velizy FRANCE PHONE: 33-1-30-67-1700 FAX: 33-1-34-65-3913	ADAPTER NAME: RHESUS-COAX SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO POS ID: 6F8E BUS MASTER: NO AVAILABLE: 10/90 DESCRIPTION: X.25 and 3270 coaxial intelligent adapter. RS-232C and BNC connectors are present on the adapter. Very high speed processing (up to 512Kbps with X.25) due to the use of NS Biphase Communications Processor.
	ADAPTER NAME: SYNMPI/PS SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO POS ID: 6F91 BUS MASTER: NO AVAILABLE: 9/91 DESCRIPTION: X.25 intelligent adapter with RS232C output. Accessible via shared memory and through a COM2 to COM4 serial port. Supports up to 256 virtual circuits.
COMPANY: T.D.T. (Transfer Data Test GmbH) ADDRESS: Siemenstrasse 16 8307 Essenbach FEDERAL REPUBLIC OF GERMANY PHONE: 49-08703-929-00 FAX: 49-08703-929-201	ADAPTER NAME: T.D.T. Single Pad Karte Asynchron MC SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO POS ID: 6BA7 BUS MASTER: YES AVAILABLE: 4/90 DESCRIPTION: The Single Pad Karte Asynchron is a special board for the IBM® PS/2® computers with the Micro Channel® architecture for X.25 networks. It runs with all asynchronous communication software (terminal emulation).
	ADAPTER NAME: T.D.T. Single Pad Karte Synchron MC SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO POS ID: 6A3C BUS MASTER: YES AVAILABLE: 5/90 DESCRIPTION: The Single Pad Karte Synchron is a special board for the IBM® PS/2® computers with the Micro Channel® architecture for X.25 networks. It runs with all IBM SNA emulation, 3270, 5250.
COMPANY: Teldat, S.A. ADDRESS: Parque Tecnologico de Madrid 28760 Tres Cantos Madrid SPAIN PHONE: 34-1-907-65-65 FAX: 34-1-907-65-66	ADAPTER NAME: Gateway 25 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6A05 BUS MASTER: NO AVAILABLE: 12/90 DESCRIPTION: Teldat card is an X.25, SDLC or X.32 gateway involved in the FBSS application. The card can be connected to an external modem or using the internal one (V.22 bis, 2400 bps). It allows an automatic backup procedure through PTT accessing directly or mean of X.32.

Part 2. IOV Adapters — Listings by Category

Communication: X.25 (Continued)

COMPANY: TIL Systems Limited
ADDRESS: 700 King Street West
10th Floor
Toronto, Ontario M5V 2Y6
CANADA
PHONE: 1-416-869-1157
FAX: 1-416-869-1768

ADAPTER NAME: XPERT Communications Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 609F
BUS MASTER: NO
AVAILABLE: 9/88
DESCRIPTION: Gateway communications adapter for both LAN and stand-alone PC configurations provides micro to mainframe communications over X.25 packet-switched networks. Integrated PAD supports up to 63 simultaneous sessions with host-based applications. Provides a complement of popular terminal emulation software including IBM* 3270 and 5250 and DEC** VT220. Offers 3270 IND\$FILE, 3780 PC-host and proprietary PC-PC file transfer routines.

Data Acquisition: Analog I/O

COMPANY: Keithley Metrabyte
ADDRESS: 440 Myles Standish Boulevard
Taunton, MA 02780
U.S.A.
PHONE: 1-508-880-3000 / 1-800-348-0033
FAX: 1-508-880-0179

ADAPTER NAME: uCDAS-16G
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5017
BUS MASTER: NO
AVAILABLE: 3/89
DESCRIPTION: Data acquisition and control board, 16 channel analog input board, 12-bit resolution, software programmable input ranges, 70,000 samples/second, programmable timer.

ADAPTER NAME: uCDAS-8PGA
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6029
BUS MASTER: NO
AVAILABLE: 1/88
DESCRIPTION: An 8-channel, 12-bit analog input board. Features include programmable input ranges, sampling rates to 20KHz and full compatibility with the Micro Channel* bus.

COMPANY: Nissan Shatai Computer Service Co., Ltd.
ADDRESS: 9-10 Amanuma
Hiratsuka-shi, Kanagawa-ken
254 JAPAN
PHONE: 81-(0)463-22-7760
FAX: 81-(0)463-21-8150

ADAPTER NAME: High Precision Analog-Digital Converter Board
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5C08
BUS MASTER: NO
AVAILABLE: 4/90
DESCRIPTION: The board converts up to 64 analog signals into digital signals consisting of a sign bit and 16 data bits, at a speed of 64KHz.

ADAPTER NAME: High Speed Analog-Digital Converter Board
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5C01
BUS MASTER: NO
AVAILABLE: 4/90
DESCRIPTION: The board converts 16 analog signals into digital signals consisting of a sign bit and 11 data bits, at a speed of 200KHz.

ADAPTER NAME: High Speed and 256 Channel Analog-Digital Converter Board
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5C08
BUS MASTER: NO
AVAILABLE: 4/90
DESCRIPTION: The board converts up to 256 analog signals into digital signals consisting of a sign bit and 11 data bits, at a speed of 200KHz.

COMPANY: Sorcus Computer GmbH
ADDRESS: Tullastrasse 19
W-6900 Heidelberg
FEDERAL REPUBLIC OF GERMANY
PHONE: 49-(0)6221-302-002
FAX: 49-(0)6221-303-769

ADAPTER NAME: ML3/A
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 69E3
BUS MASTER: NO
AVAILABLE: 9/91
DESCRIPTION: Parallel processing, independent local CPU, RAM, timer / counters, RTC and 3 piggy pack modules. Each module can contain e.g. 16 12-bit inputs, 4 12-bit outputs, 32 digital I/O. Isolated signal conditioning and multi-I/O (up to 384 analog channels) available.

Part 2. IOV Adapters — Listings by Category

Data Acquisition: Analytic Instrumentation

COMPANY: Canberra Industries, Inc.
ADDRESS: One State Street
Meriden, CT 06450
U.S.A.

PHONE: 1-203-238-2351 / 1-800-243-4424
FAX: 1-203-235-1347

ADAPTER NAME: AccuSpec™/MC Acquisition Interface
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6F6B
BUS MASTER: NO
AVAILABLE: 11/88

DESCRIPTION: A personal computer add-on board and software package for the acquisition, display and analysis of nuclear pulse height spectra. The accompanying software emulates the functions of a multichannel analyzer commonly used in nuclear spectroscopy applications. Data acquisition is performed concurrently with display updates and analysis functions.

ADAPTER NAME: System 100 Multichannel Analyzer
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 60B2
BUS MASTER: NO
AVAILABLE: 1/89

DESCRIPTION: A personal computer add-on card for the acquisition, display and analysis of nuclear pulse height spectra. The System 100 converts any IBM® PS/2® computer into a high performance Multichannel Analyzer and Report Generation Workstation. Both PC bus and Micro Channel® bus based personal computers are supported.

COMPANY: Dataq Instruments, Inc.
ADDRESS: 150 Springside Drive
Suite B220
Akron, OH 44333
U.S.A.

PHONE: 1-216-434-4284 / 1-800-553-9006
FAX: 1-216-434-5551

ADAPTER NAME: CODAS
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5800
BUS MASTER: NO
AVAILABLE: 1/89

DESCRIPTION: DSP-based processing provides real time waveform display of up to 16 channels with 50KHz throughput. Waveform storage to disk is supported up to 50KHz throughput. Includes waveform playback/editor with analysis software.

ADAPTER NAME: CODAS Playback
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5CA0
BUS MASTER: NO
AVAILABLE: 11/89

DESCRIPTION: Converts a Micro Channel® bus computer into a waveform review and analysis work station for waveform information acquired by the CODAS data acquisition subsystem. Analysis software included.

COMPANY: DSP Technology Inc.
ADDRESS: 48500 Kato Road
Fremont, CA 94538
U.S.A.

PHONE: 1-510-657-7555
FAX: 1-510-657-7576

ADAPTER NAME: PC006
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5510
BUS MASTER: NO
AVAILABLE: 10/90

DESCRIPTION: Interface to CAMAC instrumentation for the Micro Channel® bus using DSP's Model 6001/2 CAMAC Crate Controller.

COMPANY: Nissan Shatai Computer Service Co.,
Ltd.
ADDRESS: 9-10 Amanuma
Hiratsuka-shi, Kanagawa-ken
254 JAPAN

PHONE: 81-(0)463-22-7760
FAX: 81-(0)463-21-8150

ADAPTER NAME: High Speed Signal Processing Board
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5C06
BUS MASTER: NO
AVAILABLE: 4/90

DESCRIPTION: The program which is downloaded from the PS/2® computer to the board executes high speed signal processing, such as FFT and Digital Filtering.

COMPANY: Rapid Systems, Inc.
ADDRESS: 433 North 34th Street
Seattle, WA 98103
U.S.A.

PHONE: 1-206-547-8311
FAX: 1-206-548-0322

ADAPTER NAME: R1000, R1200, R2000, R4000
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6178
BUS MASTER: NO
AVAILABLE: 6/90

DESCRIPTION: Interface board for line of digital oscilloscopes, FFT analyzers, and arbitrary waveform generators.

Part 2. IOV Adapters — Listings by Category

Data Acquisition: Analytic Instrumentation (Continued)

COMPANY: Spectra-Physics Analytical
ADDRESS: 45757 Northport Loop West
P. O. Box 5116
Fremont, CA 94537
U.S.A.
PHONE: 1-510-657-1100 / 1-800-456-4552
FAX: 1-510-490-8182

ADAPTER NAME: Interface Board
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: NONE—No space avail on board
BUS MASTER: NO
AVAILABLE: 8/89
DESCRIPTION: Adapter to support the Spectra-Physics WINner/286™ and WINner/386™ data acquisition products for chromatography applications and the Spectra FOCUS product. Spectra FOCUS is a UV-VIS detection system for liquid chromatography, using OS/2™ computer software Standard Edition 1.3 for system control, data acquisition, data processing, graphical overlays, and reports.

ADAPTER NAME: Spectra STATION
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 7FE9
BUS MASTER: NO
AVAILABLE: 4/90
DESCRIPTION: Spectra STATION is a chromatography workstation designed to collect 8-channels of raw data, process the data, calculate numerical results, and print reports. It uses OS/2™ computer software, Standard Edition Ver. 1.3 for graphics and multitasking.

Data Acquisition: Digital I/O

COMPANY: American Advantech Corp.
ADDRESS: 1310 Tully Road
Suite 115
San Jose, CA 95122
U.S.A.
PHONE: 1-408-293-6786
FAX: 1-408-293-4697

ADAPTER NAME: MCL-920 Digital I/O and Counter Card
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6320
BUS MASTER: NO
AVAILABLE: 4/89
DESCRIPTION: An add-on card that offers 32 digital inputs, 32 digital outputs and 3 programmable timer/counters. All I/O channels are TTL compatible. The signals can connect to available daughter boards, such as Opto-Isolated digital input, Relay Actuator output, SSR output, etc., for fast and easy implementation.

COMPANY: Amplicon Liveline Ltd.
ADDRESS: Centenary Industrial Estate
Brighton, East Sussex BN2 4AW
UNITED KINGDOM
PHONE: 44-0273-570-220 / 44-0800-525-335
FAX: 44-0273-570-215

ADAPTER NAME: MC14
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6A30
BUS MASTER: NO
AVAILABLE: 7/90
DESCRIPTION: General purpose 48-line digital I/O interface with three 16-bit counter/timers and 4MHz on board oscillator, software configurable to control, monitor, count and make frequency measurements. Supplied with full manual and demonstration software. U.K. manufactured.

COMPANY: Anlee Data Processing Co., Ltd.
ADDRESS: 9F, 60, Sec. 2, Chung-Shan N. Road
Taipei
TAIWAN, R.O.C.
PHONE: 886-02-565-2796
FAX: 886-02-511-2302

ADAPTER NAME: (DAY1) Chinese-Input Interface Card
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 72F1
BUS MASTER: YES
AVAILABLE: 2/91
DESCRIPTION: Supply Day1 13,053 Chinese characters and 65,000 Chinese phrases on the interface card, and each unit (Chinese character or phrase) can be accessed with no more than 4 strokes, thus making an effect - able to input 150 Chinese characters per minute.

COMPANY: Applied Digital
ADDRESS: HCR 63, Box 130-C
West Plains, MO 65775
U.S.A.
PHONE: 1-417-257-1894
FAX: 1-417-257-1896

ADAPTER NAME: DIO168PS2 168 Point Parallel Digital I/O Interface
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6FC9
BUS MASTER: NO
AVAILABLE: 8/88
DESCRIPTION: A high density digital I/O board for the Micro Channel™ bus. In addition to the 168 digital I/O lines, 3 high speed counter/timer channels are provided. Software is included.

Part 2. IOV Adapters — Listings by Category

Data Acquisition: Digital I/O (Continued)

COMPANY: Blue Chip Technology
ADDRESS: Hawarden Industrial Park
Manor Lane
Deesie, Clwyd CH5 3PP
UNITED KINGDOM
PHONE: 44-(0)244-520-222
FAX: 44-(0)244-531-043

ADAPTER NAME: MC-PIO-48 Programmable Input/Output Card
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6ACB
BUS MASTER: NO
AVAILABLE: 1/90
DESCRIPTION: The MC-PIO-48 card has 48 digital lines which can be programmed to be inputs, outputs or a combination of both, plus a 3 channel 16-bit counter/timer with interrupts. The board has been designed as a general purpose interface to most other digital devices such as switches, LED's and parallel ports. Signal levels in and out of the board are at TTL levels. A pair of 24 channel programmable I/O chips are used (8255).

COMPANY: Bockstaller Hard-u.
Softwareentwicklung
ADDRESS: Muehlenstrasse 27A
7867 Wehr-Deflingen
FEDERAL REPUBLIC OF GERMANY
PHONE: 49-07761-1808
FAX: 49-07761-57180

ADAPTER NAME: 12-Bit 16-Channel Analog to Digital Converter Board
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 0818
BUS MASTER: NO
AVAILABLE: 11/88
DESCRIPTION: The 12-Bit 16-Channel Analog to Digital Converter Board consists of a 12-bit ADC from type ADC574 (ADC674) with 16-channel multiplexer. Between the multiplexer and the ADC there is an OPAMP with gain 1 (changing from 0 to 1000). The conversion time is 25us (15us). The analog input voltage is 0 to 10V, +5V, or +-10V. IDC pin connector on board.

ADAPTER NAME: 12-Bit 8-Channel Digital to Analog Converter Board
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 0819
BUS MASTER: NO
AVAILABLE: 11/88
DESCRIPTION: The 12-Bit 8-Channel Digital to Analog Converter Board consists of 8 DAC from type DAC1201KPV, each of them with nibble latching. The output voltage is 0 to 10V, +15V, or +-10V. The settling time is 7 us. IDC pin connector on Board.

ADAPTER NAME: 168-Bit Digital I/O-Board
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 0815
BUS MASTER: NO
AVAILABLE: 11/88
DESCRIPTION: The 168-bit Digital TTL I/O-Board consists of seven PIOs from type 8255 (82C55, D71055C). Each of them consists of 3 ports of 8-bit and a control register to set the I/O configuration. I/O lines may be adapter by 26-pin double row IDC connectors. If a timer counter is needed, a 8255 PIO may be removed and replaced by a small timer counter adapter board also available.

ADAPTER NAME: 32-Bit Photocoupler I/O-Board
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 081A
BUS MASTER: NO
AVAILABLE: 11/88
DESCRIPTION: The 32-Bit Photocoupler I/O-Board consists of 32 photocoupler inputs and 32 photocoupler outputs. Resistor arrays for the photocoupler diode are also on board. For photocoupler output the emitter and collector of each photocoupler is separately wired to a single pin row (2.54mm). Input voltage may vary from 3 volt to 30 volts.

ADAPTER NAME: 6 x ST-Slot Adapter for IBM* Micro Channel* Architecture Computers
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 081E
BUS MASTER: NO
AVAILABLE: 3/89
DESCRIPTION: Adapter developed for I/O adapter cards for XT* computers to run in a Micro Channel* bus-based systems. Consists of a board to be installed inside Micro Channel bus-based computers and 6 XT computer slots which are outside on the back of the Micro Channel bus-based computers, connected by a flat cable. Error free function can only by guaranteed with add-on cards and products from Bockstaller like logic analyzer cards, etc.

Part 2. IOV Adapters — Listings by Category

Data Acquisition: Digital I/O (Continued)

COMPANY: Bockstaller Hard-u.
Softwareentwicklung
ADDRESS: Muehlenstrasse 27A
7867 Wehr-Oeflingen
FEDERAL REPUBLIC OF GERMANY
PHONE: 49-07761-1808
FAX: 49-07761-57180

ADAPTER NAME: Analog/Digital - Digital/Analog - TTL - Multifunctionboard
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 0813
BUS MASTER: NO
AVAILABLE: 9/88
DESCRIPTION: The A/D - D/A TTL Board consists of a 12-bit ADC with 16 channel multiplexer, two 12-bit DAC - Converter with nibble latching, and 96 TTL I/O channels. A/D (D/A) input (output) voltage range is 0-10V, +-5V or +-10V. The ADC has a conversion time of 25us (15us), the DAC a setting time of 7us. Of a timer counter is needed, a 8255 chip may be removed and replaced by a small Timer - Counter - Adapterboard, also available.

ADAPTER NAME: IEEE 488 GPIB Interface
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 081D
BUS MASTER: NO
AVAILABLE: 2/89
DESCRIPTION: The IEEE 488 Interface card consists of the NEC controller 7210 and the driver IC 75160/75161. The software for this card (Basica, GWBasic, Turbo Pascal, and others) is included. The software Basic and Turbo Pascal are compiled and non-compiled (for user modification) available.

ADAPTER NAME: Relays + I/O - Board
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 0817
BUS MASTER: NO
AVAILABLE: 11/88
DESCRIPTION: The relays and TTL I/O Board consists of 15 relays each with toggle contact and one 8-bit TTL port. Each relay can be powered up to 60 Watt, 22pVAC and 3Ampere. The relays have a high of only 10mm.

ADAPTER NAME: Timer - Counter - Board
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 081B
BUS MASTER: NO
AVAILABLE: 11/88
DESCRIPTION: The Timer Counter Board consists of 8 timer counter chips from type 8253 (D71054). Each timer counter chip consists of 3 independent 16-bit timer counters with a clock input, a gate input and an output. All these functions are wired to 26 pin IDC connectors, so the timer counters may be cascaded.

COMPANY: Brain Boxes
ADDRESS: Unit 3G, Wavertree Technology Park
Wavertree Boulevard South
Liverpool L7 9PF
UNITED KINGDOM
PHONE: 44-051-220-2500/7190
FAX: 44-051-252-0446

ADAPTER NAME: PS DIO 48/2
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6A18
BUS MASTER: NO
AVAILABLE: 8/90
DESCRIPTION: Half size DIO card gives 6 x 8 bit ports by two 8255 chips. The 48 I/O lines with 1 ground and 1 power/ground selectable line are accessible from either 50 way IDC or 50 way D connector. Flexible interrupt allocation. Compatible with Asyst, Labtech Notebook software. Complete with debugged and explained sample programs.

ADAPTER NAME: PS Timer DIO/2
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6A17
BUS MASTER: NO
AVAILABLE: 8/90
DESCRIPTION: Half size timer DIO adds 24 DIO lines and seven 5 channel 16-bit timer to PS/2* computers. All 45 I/O lines with 4 grounds and 1 +5V/GND selectable line are accessible from either 50 way IDC or 50 way D connector. Compatible with Asyst, Labtech Notebook software. Debugged and explained sample programs included, e.g. 16 + 32-bit counting gated counting, etc.

Part 2. IOV Adapters — Listings by Category

Data Acquisition: Digital I/O (Continued)

COMPANY: IFD Ingenieurbuero fuer Datentechnik
ADDRESS: Eugenbacher Strasse 93a
Aldorf 8300
FEDERAL REPUBLIC OF GERMANY
PHONE: 49-871-32777
FAX: 49-871-34206

ADAPTER NAME: IF-120 Optocoupler Card
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6A76
BUS MASTER: NO
AVAILABLE: 11/89
DESCRIPTION: 18-bit input-/ 16-bit output-card with opto isolation. Handles I/O voltages up to 28 VDC. Four from the 18 inputs can issue a hardware interrupt to the computer. Product includes software (source code).

ADAPTER NAME: IF-140 32 bit Digital I/O. 16 bit Counter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6A77
BUS MASTER: NO
AVAILABLE: 11/89
DESCRIPTION: 32 TTL-compatible I/O lines which can be configured in 4 groups of 8-bit as input or output. In/Out-mode switching is performed automatically. The input-function of each port is continuously available, even if a port's output-function is activated. An additional 16-bit counter acquires pulses up to 20 MHz.

ADAPTER NAME: IF-330 9-channel Counter/Timer Board
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 69EC
BUS MASTER: NO
AVAILABLE: 10/90
DESCRIPTION: Adapter contains 9 timer/counter channels (16-bit, 8253/8254 type) and 8 general purpose digital inputs. Six of them can be used as interrupt inputs, where interrupt polarity and interrupt enable/disable is individually selectable for each input signal. Onboard clock source supplies a 1.2 MHz clock signal. Board comes with software.

ADAPTER NAME: IF-600 Reed Relay Card
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6A7A
BUS MASTER: NO
AVAILABLE: 11/89
DESCRIPTION: 16 reed relays for switching up to 10W/10VA, max. 100 V, 0.5A (each relay). 4 TTL-compatible input lines for reading back external status etc. 16 onboard LEDs display actual relay state.

COMPANY: IKON Corporation
ADDRESS: 2617 Western Avenue
Seattle, WA 98121
U.S.A.
PHONE: 1-206-728-6465
FAX: 1-206-728-1633

ADAPTER NAME: Model 10108 DR11-W Emulator
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 0431
BUS MASTER: YES
AVAILABLE: 4/91
DESCRIPTION: Emulation of DEC™ DR11-W General Purpose Peripheral Interface or for use as interprocessor link to other computers.

COMPANY: Industrial Computer Designs, Inc.
ADDRESS: 31264 La Baya Drive
Westlake Village, CA 91362
U.S.A.
PHONE: 1-818-889-3179 / 1-800-423-3179
FAX: 1-818-889-1490

ADAPTER NAME: 1018-PS2
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6464
BUS MASTER: NO
AVAILABLE: 6/88
DESCRIPTION: Real-World™ Interface Product - 96 high density TTL level input/output lines (8255 PIO format). Includes: DOS device drivers, configuration file, and application software examples on disk.

ADAPTER NAME: 1019-PS2
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 0404
BUS MASTER: NO
AVAILABLE: 1/89
DESCRIPTION: Real-World™ Interface Product - 144 high density TTL level input/output lines (8255 PIO format). Includes: DOS device drivers, configuration file, and application software examples on disk.

Part 2. IOV Adapters — Listings by Category

Data Acquisition: Digital I/O (Continued)

COMPANY: Industrial Computer Designs, Inc.
ADDRESS: 31264 La Baya Drive
Westlake Village, CA 91362
U.S.A.
PHONE: 1-818-889-3179 / 1-800-423-3179
FAX: 1-818-889-1490

ADAPTER NAME: 1021-PS2
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6C6C
BUS MASTER: NO
AVAILABLE: 1/89
DESCRIPTION: Real-World™ Interface Product - 216 high density TTL level input/output lines (8255 PIO format). Includes: DOS device drivers, configuration file, and application software examples on disk.

ADAPTER NAME: 1048-PS2
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 0505
BUS MASTER: NO
AVAILABLE: 1/89
DESCRIPTION: Real-World™ Interface Product - 48 high density TTL level input/output lines (8255 PIO format). Includes: DOS device drivers, configuration file, and application software examples on disk.

ADAPTER NAME: 1524-PS2
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 0707
BUS MASTER: NO
AVAILABLE: 7/89
DESCRIPTION: Real-World™ Interface Product - 5 channel counter/timer and 24 high density TTL level input/output lines. Includes: DOS device drivers, configuration file, and application software examples on disk.

ADAPTER NAME: QDB4-PS2
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 0E0E
BUS MASTER: NO
AVAILABLE: 7/89
DESCRIPTION: Real-World™ Interface Product - 4 channel TTL level quadrature decoder. For high resolution positioning. Includes: DOS device drivers, configuration file, and application software examples on disk.

COMPANY: Keithley Metrabyte
ADDRESS: 440 Myles Standish Boulevard
Taunton, MA 02780
U.S.A.
PHONE: 1-508-880-3000 / 1-800-348-0033
FAX: 1-508-880-0179

ADAPTER NAME: uCCTM-05
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6099
BUS MASTER: NO
AVAILABLE: 12/87
DESCRIPTION: A multi-function counter/timer and digital I/O board. Features include 5 cascadable up/down counters, 16 digital I/O lines, programmable frequency generation, and high speed (7MHz) counting capability.

ADAPTER NAME: uCPDISO-8
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 609B
BUS MASTER: NO
AVAILABLE: 2/89
DESCRIPTION: Eight channel isolated relay input/output interface board for the IBM* PS/2* computers with the Micro Channel* bus and compatibles.

ADAPTER NAME: uCPIO-12
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 602B
BUS MASTER: NO
AVAILABLE: 10/87
DESCRIPTION: A 24-bit parallel digital I/O board. Features include 24 TTL/CMOS compatible I/O lines, unidirectional, bidirectional or strobed I/O, and complete interrupt interface circuitry.

ADAPTER NAME: uCPIO-24
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6145
BUS MASTER: NO
AVAILABLE: 4/90
DESCRIPTION: 24 channel digital I/O interface board for data acquisition and control applications.

Part 2. IOV Adapters — Listings by Category

Data Acquisition: Digital I/O (Continued)

COMPANY: Keithley Metrabyte ADDRESS: 440 Myles Standish Boulevard Taunton, MA 02780 U.S.A. PHONE: 1-508-880-3000 / 1-800-348-0033 FAX: 1-508-880-0179	ADAPTER NAME: uCPIO-72 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6146 BUS MASTER: NO AVAILABLE: 9/90 DESCRIPTION: 72 channel parallel digital I/O board for data acquisition and control applications.
COMPANY: Microlinear Corporation ADDRESS: 42358 Van Dyke Sterling Heights, MI 48314 U.S.A. PHONE: 1-313-731-2100 FAX: 1-313-739-2216	ADAPTER NAME: MIT 24 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6168 BUS MASTER: NO AVAILABLE: 4/90 DESCRIPTION: Digital I/O board designed to interface 24 Mitutoyo Digimatic Gages with an IBM* PS/2* computer with the Micro Channel* bus.
COMPANY: National Instruments Corp. ADDRESS: 6504 Bridge Point Parkway Austin, TX 78730-5039 U.S.A. PHONE: 1-512-794-0100 / 1-800-433-3488 FAX: 1-512-794-8411	ADAPTER NAME: MC-DIO-24 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6FDB BUS MASTER: NO AVAILABLE: 2/89 DESCRIPTION: A 24-bit parallel digital input/output interface with three 8-bit ports. It can operate in unidirectional or bidirectional mode, generate interrupt requests, and handshake with peripheral equipment for communication and synchronization purposes.
	ADAPTER NAME: MC-DIO-32F SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 5353 BUS MASTER: NO AVAILABLE: 4/89 DESCRIPTION: A high-speed 32-bit parallel digital input/output interface with four 8-bit ports. It features: 48mA output drive, variety of I/O handshaking options, dual sets of handshaking control lines, and dual channel 16-bit DMA transfer.
COMPANY: NCMIKRO Ltd. ADDRESS: P.O. Box 45 Hyldehaven 31 DK-8520 Lystrup DENMARK PHONE: 45-86-22-33-11 FAX: 45-86-22-51-98	ADAPTER NAME: NCM-DIOM SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO POS ID: 6B75 BUS MASTER: NO AVAILABLE: 12/89 DESCRIPTION: The adapter is hardware interface for the NCM-Tool SPC system.
COMPANY: Nissan Shatai Computer Service Co., Ltd. ADDRESS: 9-10 Amanuma Hiratsuka-shi, Kanagawa-ken 254 JAPAN PHONE: 81-(0)463-22-7760 FAX: 81-(0)463-21-8150	ADAPTER NAME: Digital Input/Output Board SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 5C07 BUS MASTER: NO AVAILABLE: 4/90 DESCRIPTION: The board allows a program to input or output 40 signals in five 8-bit ports, switching asynchronously between input and output. In addition, the board has 8 input interrupt trigger lines.
COMPANY: Omnicomp Graphics Corporation ADDRESS: 1734 West Sam Houston Parkway North Houston, TX 77043 U.S.A. PHONE: 1-713-464-2990 FAX: 1-713-827-7540	ADAPTER NAME: PS11** SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO POS ID: 5555 BUS MASTER: NO AVAILABLE: 9/88 DESCRIPTION: Emulates either the DEC** DRV11-WA (DMA) or DRV11 (Pi/O) host interface to provide communications with external peripherals which support these interfaces.

Part 2. IOV Adapters — Listings by Category

Data Acquisition: Digital I/O (Continued)

COMPANY: O.R.T. ADDRESS: 3 Sumpter Close, Finchley Road London NW3 5HR UNITED KINGDOM PHONE: 44-(0)71-431-1333 FAX: 44-(0)71-435-4784	ADAPTER NAME: Phase 1 Adapter for IBM* P/S* Computers SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 69F0 BUS MASTER: YES AVAILABLE: 8/90 DESCRIPTION: The adapter converts the Micro Channel* bus to 1MHz bus to work with internal equipment and BBC computer.
COMPANY: Quatech, Inc. ADDRESS: 662 Wolf Ledges Parkway Akron, OH 44311 U.S.A. PHONE: 1-216-434-3154 / 1-800-553-1170 FAX: 1-216-434-1409	ADAPTER NAME: PXB-7200 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 5FE4 BUS MASTER: NO AVAILABLE: 3/88 DESCRIPTION: An advanced digital I/O board that provides 72 input/output TTL signals. The base address of the PXB-7200 is keyboard selectable and interrupts are available for background operation.
COMPANY: Rampa Computer-Engineering ADDRESS: Tittwiesenstrasse 60 Chur 7000 SWITZERLAND PHONE: 41-(0)81-24-89-28 FAX: 41-(0)81-24-59-23	ADAPTER NAME: RE-DIO/2 Digital I/O Adapter SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6B1B BUS MASTER: NO AVAILABLE: 8/88 DESCRIPTION: Digital I/O adapter for PS/2* computers with the Micro Channel* bus with 32 input and 32 output lines, 8 interrupt input lines. TTL compatible, all input lines pulled to +5V. Supplied with OS/2* device driver for all input/output and control functions. Interrupt routine clears system semaphores.
COMPANY: Sorcus Computer GmbH ADDRESS: Tullastrasse 19 W-6900 Heidelberg FEDERAL REPUBLIC OF GERMANY PHONE: 49-(0)6221-302-002 FAX: 49-(0)6221-303-769	ADAPTER NAME: ML3/D SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 69E3 BUS MASTER: NO AVAILABLE: 9/91 DESCRIPTION: Local CPU with on-board multi-tasking operating system. RAM, timers, counters, RTC and 3 piggy pack modules. Each module can contain e.g. 32 TTL I/O, 3 16-bit cascadable 10MHz up / down counters (event, frequency, pulse-width, quadratur decoder).
COMPANY: Yoshikawa Electronics Co., Ltd. ADDRESS: 3-1-24 Asahiga-oka Hino-City Tokyo 191 JAPAN PHONE: 81-0425-82-2111 FAX: 81-0425-81-1997	ADAPTER NAME: ISO-DIO16/16 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6264 BUS MASTER: NO AVAILABLE: 9/91 DESCRIPTION: 16-bit input/16-bit output, 2 ready/2-ack. input and 2 strobe output (total 20-bit input/18-bit output) isolated by photo. Ready/ack. lines can issue a hardware interrupt. Handle I/O voltage up to 25V (Iit=5-10mA, IcmAx=300mA), withstand voltage 1500 VAC.

Data Acquisition: IEEE 488

COMPANY: American Advantech Corp. ADDRESS: 1310 Tully Road Suite 115 San Jose, CA 95122 U.S.A. PHONE: 1-408-293-6786 FAX: 1-408-293-4697	ADAPTER NAME: MCL-948 IEEE-488 Interface Card SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6348 BUS MASTER: NO AVAILABLE: 7/89 DESCRIPTION: An add-on card that adapts PS/2* computers to IEEE-488 interface. Powerful, yet easy-to-use command set is built for users to get into IEEE-488 programming very easily. BASIC and QuickBASIC language drivers are supported in standard package, C and Pascal are supported as option items.
--	---

Part 2. IOV Adapters — Listings by Category

Data Acquisition: IEEE 488 (Continued)

COMPANY: Biodata Ltd ADDRESS: 10 Stocks Street Manchester M8 8QG UNITED KINGDOM PHONE: 44-0618-346-688 FAX: 44-0618-332-190	ADAPTER NAME: GPIB Adapter Card for IBM* Micro Channel* Architecture SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 5803 BUS MASTER: NO AVAILABLE: 1/89 DESCRIPTION: IEEE-488 interface card. Supplied complete with software drivers for Basic, Pascal, C, Fortran and Asyst languages. Card is optimized for use with Biodata's MICROLINK data acquisition and control system.
COMPANY: Brain Boxes ADDRESS: Unit 3G, Wavertree Technology Park Wavertree Boulevard South Liverpool L7 9PF UNITED KINGDOM PHONE: 44-051-220-2500/7190 FAX: 44-051-252-0446	ADAPTER NAME: PS Elite/2 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6BF1 BUS MASTER: NO AVAILABLE: 8/89 DESCRIPTION: PS Elite/2 is half size card fitting any slot on the Micro Channel* bus. Has complete controller, listener, talker ability. Choice of 15 DMA arbitration levels, burst mode, 4 interrupt lines and 7 I/O addresses. Compatible with Lotus™ Measure Asyst and all software that supports IBM* GPIB and NI PC2/2a cards.
COMPANY: Capital Equipment Corp. ADDRESS: 76 Blanchard Road Burlington, MA 01803 U.S.A. PHONE: 1-617-273-1818 / 1-800-234-4232 FAX: 1-617-273-9057	ADAPTER NAME: PS488 SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO POS ID: 5CED BUS MASTER: NO AVAILABLE: 7/87 DESCRIPTION: IEEE-488 interface that provides complete IEEE-488 (HP-IB, GP-IB) control for instruments and peripherals. Software support for BASIC, Pascal, C, FORTRAN and OS/2* computer software is included with numerous example programs. Features include high and low priority interrupts, DMA, and switchless installation. Fits PS/2* Model P70 computer short slot.
COMPANY: ines-Innovative Elektroniksysteme GmbH ADDRESS: Neuenhoefer Allee 45 5000 Koeln 41 FEDERAL REPUBLIC OF GERMANY PHONE: 49-221-49-16-21 FAX: 49-221-49-18-71	ADAPTER NAME: ines-ieee488 SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO POS ID: 5818 BUS MASTER: NO AVAILABLE: 1/89 DESCRIPTION: IEEE-488 (GPIB, HP-IB, IEC-625) adapter for IBM* PS/2* computers, IBM RT* 6150 and IBM RISC System/6000* POWERstations and POWERservers. Supports PC DOS, OS/2* and AIX* computer software. Offers interfaces for the following programming languages: BASIC, Pascal, Turbo-Pascal, FORTRAN, Microsoft™ C, Turbo-C, Modula-2, Assembler, and others. The ines feature is an automatic 16-bit DMA mode (DMA-State-Machine).
COMPANY: IOtech, Inc. ADDRESS: 25971 Cannon Road Bedford Heights, OH 44146 U.S.A. PHONE: 1-216-439-4091 FAX: 1-216-439-4093	ADAPTER NAME: Personal488/2 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 5CCC BUS MASTER: NO AVAILABLE: 6/91 DESCRIPTION: Powerful, economical yet easy-to-use IEEE 488.2 interface board and software for IBM* PS/2* computers. Includes enhanced Driver488 software, providing HP-style commands in DOS driver and subroutine application program interfaces. Provides control of IEEE instruments including IOtech's Data Acquisition Instruments.
COMPANY: Keithley Metrabyte ADDRESS: 440 Myles Standish Boulevard Taunton, MA 02780 U.S.A. PHONE: 1-508-880-3000 / 1-800-348-0033 FAX: 1-508-880-0179	ADAPTER NAME: uCMBC-488 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 5018 BUS MASTER: NO AVAILABLE: 11/87 DESCRIPTION: A general purpose interface between the Micro Channel* bus and any GPIB (IEEE) compatible device. Features include support for up to 14 devices simultaneously, DMA and normal transfer modes and support for all high level languages.

Part 2. IOV Adapters — Listings by Category

Data Acquisition: IEEE 488 (Continued)

COMPANY: National Instruments Corp.
ADDRESS: 6504 Bridge Point Parkway
Austin, TX 78730-5039
U.S.A.
PHONE: 1-512-794-0100 / 1-800-433-3488
FAX: 1-512-794-8411

ADAPTER NAME: MC-GPIB™
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 5333
BUS MASTER: NO
AVAILABLE: 2/88
DESCRIPTION: Low-cost, full-function, high performance IEEE-488.2 interface. Allows data transfer between PS/2* computers and PS/2 AIX* software / IEEE-488 bus-compatible instruments. Supports Microsoft™ DOS, Windows™, OS/2* and UNIX™ computer software. Adapter included in the GPIB kit for the RISC System/6000 POWERstations with complete software support for the AIX* operating system. Has FIFO buffers for high-speed DMA transfers.

COMPANY: Quatech, Inc.
ADDRESS: 662 Wolf Ledges Parkway
Akron, OH 44311
U.S.A.
PHONE: 1-216-434-3154 / 1-800-553-1170
FAX: 1-216-434-1409

ADAPTER NAME: MXI-1000
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5FE1
BUS MASTER: NO
AVAILABLE: 4/88
DESCRIPTION: A standard IEEE-488 GPIB controller card which can be connected to 14 devices. The card may be configured as a controller or a system controller. The MXI-1000 utilizes the TMS9914 Controller.

COMPANY: Scientific Solutions, Inc.
ADDRESS: 6225 Cochran Road
Solon, OH 44139-3377
U.S.A.
PHONE: 1-216-349-4030 / 1-800-624-8560
FAX: 1-216-349-0851

ADAPTER NAME: MC IEEE 488™
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5D5B
BUS MASTER: NO
AVAILABLE: 9/88
DESCRIPTION: The MC IEEE 488™ adapter provides access to the GPIB from the IBM* PS/2* computers. Easy to install — no jumpers or switches. Fully implements IEEE Standard 488-1978 for Controller, Talker, and Listener. Supports 14 active devices on the GPIB. Compatible with most software written for the IBM National Instruments command set.

COMPANY: SEJUS Corporation
ADDRESS: 2618 Palisades Crest Drive
Lake Oswego, OR 97034-7550
U.S.A.
PHONE: 1-503-638-9000
FAX: 1-503-638-9009

ADAPTER NAME: MicroCAT™ Measurement Coprocessor
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6954
BUS MASTER: NO
AVAILABLE: 9/91
DESCRIPTION: Provides Micro Channel* bus-based PS/2* computers with the ability to run HP (RMB) BASIC. Available as user installable board set or MicroCAT™ System with fully configured, pre-installed MicroCAT Measurement Coprocessor and HP BASIC. For applications in Computer Aided Test, Signal Processing or other general Test and Measurement use. Supports standard HP packages such as: ITG, FTM and DACQ.

COMPANY: Ziatech Corporation
ADDRESS: 3433 Roberto Court
San Luis Obispo, CA 93401
U.S.A.
PHONE: 1-805-541-0488
FAX: 1-805-541-5088

ADAPTER NAME: ZT/2™
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6600
BUS MASTER: NO
AVAILABLE: 7/87
DESCRIPTION: IEEE 488 interface for GPIB instrumentation.

Data Acquisition: Multifunction I/O

COMPANY: Alpha Products Co.
ADDRESS: 303 Linwood Avenue
Fairfield, CT 06430
U.S.A.
PHONE: 1-203-259-7713 / 1-800-221-0916
FAX: 1-203-254-0169

ADAPTER NAME: A-Bus Data Acquisition and Control Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 616C
BUS MASTER: NO
AVAILABLE: 4/90
DESCRIPTION: This low-cost A-Bus Adapter permits connection of dozens of standard A-Bus application cards. These cards have diverse functions including: analog input and output, switching via relays, digital input and output, pulse counting, timing telephone functions, stepper motor and servo motor control, and others. Hundreds of points can be controlled from a single Micro Channel* expansion slot.

Part 2. IOV Adapters — Listings by Category

Data Acquisition: Multifunction I/O (Continued)

COMPANY: Amplicon Liveline Ltd. ADDRESS: Centenary Industrial Estate Brighton, East Sussex BN2 4AW UNITED KINGDOM PHONE: 44-0273-570-220 / 44-0800-525-335 FAX: 44-0273-570-215	ADAPTER NAME: MC30 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6A31 BUS MASTER: NO AVAILABLE: 11/90 DESCRIPTION: MC30 is a low cost, high speed general purpose analog and digital I/O adapter providing 16 12-bit analog inputs, 2 12-bit analog outputs, 2 8-bit analog outputs, 24 lines of digital I/O and 3 16-bit counter timers with on-board frequency reference. All connections made via 50 way D type connector. Full documentation, configuration and driver software are included.
COMPANY: DFL Labtronics Inc. ADDRESS: 144 Deer Park Avenue Suite 201 Kimberley, British Columbia V1A 2S4 CANADA PHONE: 1-604-427-7267 FAX: 1-604-427-3564	ADAPTER NAME: DFL 104 Multi Function I/O Adapter SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 657E BUS MASTER: NO AVAILABLE: 5/91 DESCRIPTION: Card may include 12-/16-bit A/D, 12-channel differential MUX Programmable Gain Amplifier, 4 12-bit DAC, 24 digital I/O lines. Low cost, medium speed analog I/O control interface
COMPANY: DIAN Micro Systems Limited ADDRESS: Bredbury Business Park Bredbury Parkway, Bredbury Stockport SK6 2SN UNITED KINGDOM PHONE: 44-61-406-6766 FAX: 44-61-406-6771	ADAPTER NAME: DMS521 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 68EC BUS MASTER: NO AVAILABLE: 4/89 DESCRIPTION: The DMS521 is a data acquisition and control adapter which allows a PS/2* computer to interface with analog and digital I/O signals in process control and manufacturing applications. The DMS521 links to field-mounted interface stations which are configured to meet specific requirements by means of plug-in I/O modules.
COMPANY: IFD Ingenieurbuero fuer Datentechnik ADDRESS: Eugenbacher Strasse 93a Ailtdorf 8300 FEDERAL REPUBLIC OF GERMANY PHONE: 49-871-32777 FAX: 49-871-34206	ADAPTER NAME: IF-230 Multifunction Card SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6A78 BUS MASTER: NO AVAILABLE: 3/90 DESCRIPTION: Multifunction card with integrating AD converter. Input range +/-400 mv.... +/-4000 V DC, with automatic range switching; resolution: +/-40,000 steps; noise rejection > 60 dB / 50/60Hz; additional 2 channel analog output (12 bit) and 8 reed relays.
COMPANY: Industrial Computer Designs, Inc. ADDRESS: 31264 La Baya Drive Westlake Village, CA 91362 U.S.A. PHONE: 1-818-889-3179 / 1-800-423-3179 FAX: 1-818-889-1490	ADAPTER NAME: A/D 12 B32-PS2 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6565 BUS MASTER: NO AVAILABLE: 1/89 DESCRIPTION: Real-World™ Interface Product - 32 single ended/16 differential multiplexed 12 bit and sign analog-to-digital inputs allows +/-voltages. Software programmable gain. Includes: DOS device drivers, configuration file and application software examples on disk.
	ADAPTER NAME: A/D-D/A16-PS2 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 0606 BUS MASTER: NO AVAILABLE: 1/89 DESCRIPTION: Real-World™ Interface Product - 16 multiplexed 8 bit single ended analog-to-digital inputs and 16 multiplexed 8 bit digital-to-analog outputs. Includes: DOS device drivers, configuration file and application software examples on disk.

Part 2. IOV Adapters — Listings by Category

Data Acquisition: Multifunction I/O (Continued)

COMPANY: Keithley Metrabyte ADDRESS: 440 Myles Standish Boulevard Taunton, MA 02780 U.S.A. PHONE: 1-508-880-3000 / 1-800-348-0033 FAX: 1-508-880-0179	ADAPTER NAME: uCDDA-04 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO Q POS ID: 609A BUS MASTER: NO AVAILABLE: 12/87 DESCRIPTION: An industrial quality, low cost, analog output board. Features include 4 independent 12-bit D/A outputs, 24 fully programmable, parallel digital I/O lines, and 4 output ranges.

	ADAPTER NAME: uCMDB-64 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 602B BUS MASTER: NO AVAILABLE: 11/87 DESCRIPTION: Driver board for industrial control and monitoring. Control up to 512 digital or 256 analog I/O points from a single expansion slot. Generates all the required timing and control signals.

	ADAPTER NAME: WH-uCDB-PAR SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 609C BUS MASTER: NO AVAILABLE: 5/89 DESCRIPTION: Driver board for industrial control and monitoring. Up to 3,584 analog I/O or 1,024 digital I/O per expansion slot. Allows operation to 4,000 feet.

COMPANY: KineticSystems Corporation ADDRESS: 11 Maryknoll Drive Lockport, IL 60441 U.S.A. PHONE: 1-815-838-0005 FAX: 1-815-838-4424	ADAPTER NAME: CAMAC Interface (Model 2928-Z1A) SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6F0A BUS MASTER: NO AVAILABLE: 5/88 DESCRIPTION: This card permits high speed data acquisition or process control systems to be configured from over 150 standardized CAMAC (IEEE-583) modules including A/D, D/A, transient recorders, pulse I/O, and digital I/O. Easy-to-use application software and software drivers are available.

COMPANY: National Instruments Corp. ADDRESS: 6504 Bridge Point Parkway Austin, TX 78730-5039 U.S.A. PHONE: 1-512-794-0100 / 1-800-433-3488 FAX: 1-512-794-8411	ADAPTER NAME: MC-MIO-16 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 5EDF BUS MASTER: NO AVAILABLE: 1/89 DESCRIPTION: A high-performance multifunction analog, digital and timing input/output board with a Micro Channel* bus DMA interface. It contains 16 channels analog input with 12-bit resolution, 2 analog output channels with 12-bit resolution, 8 Di/O lines, 3 16-bit counter/timers. AMUX-64T compatible.

COMPANY: North Communications ADDRESS: 3030 Pennsylvania Avenue Santa Monica, CA 90404 U.S.A. PHONE: 1-310-828-7000 FAX: 1-310-828-4053	ADAPTER NAME: ATIOS (Automated Transaction Input/Output System) SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6107 BUS MASTER: NO AVAILABLE: 8/88 DESCRIPTION: A printed circuit board designed for IBM* PS/2* computers with Micro Channel* bus. ATIOS provides efficient control of printer, credit card reader, motion detector and up to 3 laser disc players. Also available are control of LED display and envelope dispenser/accepter into a locked safe.

COMPANY: Scientific Solutions, Inc. ADDRESS: 6225 Cochran Road Solon, OH 44139-3377 U.S.A. PHONE: 1-216-349-4030 / 1-800-624-8560 FAX: 1-216-349-0851	ADAPTER NAME: MC-DAS 1612/16** SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: MC-DAS 1612 = 5D59; MC-DAS 1616 = 5D58 BUS MASTER: NO AVAILABLE: 9/88 DESCRIPTION: The MC-DAS 1612/16** board is a self-calibrating 12-bit analog to digital converter that handles 16 single-ended or 8 differential input channels at rates up to 100,000 samples/second. All analog features are software configurable. Other features include Micro Channel* bus arbitration and burst mode support, 5 speed 16-bit timer/counter.

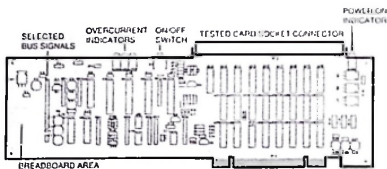
Part 2. IOV Adapters — Listings by Category

Data Acquisition: Multifunction I/O (Continued)

COMPANY: Sorcus Computer GmbH ADDRESS: Tullastrasse 19 W-6900 Heidelberg FEDERAL REPUBLIC OF GERMANY PHONE: 49-(0)6221-302-002 FAX: 49-(0)6221-303-769	ADAPTER NAME: Modular-4 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 69E3 BUS MASTER: NO AVAILABLE: 9/91 DESCRIPTION: Three plug-in interface modules are provided on this intelligent adapter with CPU, RAM, timers, counters, RTC and local multi-tasking OS. Each module can contain analog I/O, digital I/O, USARTs, counters, etc. Adapter can be powered externally (5 Volt).
COMPANY: van den berg Elektronik GmbH ADDRESS: Albert-Steiner Strasse 25 5120 Herzogenrath 1 Postfach 1408 FEDERAL REPUBLIC OF GERMANY PHONE: 49-(0)24-06-30-53 FAX: 49-(0)24-06-73-08	ADAPTER NAME: SCSI/V11 Encryption Board SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 5851 BUS MASTER: NO AVAILABLE: 4/90 DESCRIPTION: This board contains a SCSI interface, an RS/422 interface and a DES/Data encryption and decryption chip. The adaption board is the "turn-around" board that fits at one side into PS/2* computers with Micro Channel* bus and at the other side into an AT* bus compatible computer.

Development Tool

COMPANY: ACC Microelectronics Corporation ADDRESS: 3295 Scott Boulevard Suite 400 Santa Clara, CA 95054 U.S.A. PHONE: 1-408-980-0622 FAX: 1-408-980-0626	ADAPTER NAME: ACC 5810-BIO SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 0019 BUS MASTER: NO AVAILABLE: 8/88 DESCRIPTION: A multi-function I/O card that supports a serial port and a bidirectional parallel port. This card shows how to use the ACC 5810 Micro Channel* bus interface chip.
COMPANY: Advanced Microcomputer Systems, Inc. ADDRESS: 1321 NW 65th Place Fort Lauderdale, FL 33309 U.S.A. PHONE: 1-305-975-9515 / 1-800-972-3733 FAX: 1-305-975-9698	ADAPTER NAME: EXTEND 16 SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - YES POS ID: N/A BUS MASTER: NO AVAILABLE: 8/87 DESCRIPTION: The Micro Channel* bus extender board extends the bus a few inches above the motherboard to allow access of components on Micro Channel bus compatible cards.
	ADAPTER NAME: EXTEND 32 SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - YES POS ID: N/A BUS MASTER: NO AVAILABLE: 12/87 DESCRIPTION: The Micro Channel* bus extender board extends the bus a few inches above the motherboard to allow access of components on Micro Channel bus compatible cards. For PS/2* Model 80 computers.



ELECTRONIC EXTENDER

TEST AND DESIGN IN LESS TIME

AZ-COM's Universal MC Extender allows you to insert and remove cards in your IBM[®] Micro Channel[®] architecture-based systems without turning the PC's power off. It protects the computer's hardware from damage by faulty BUS devices and repeated on/off power switching. Special features include: Programmable overcurrent detection and protection, software control, and automatic reset generation. AZ-COM offers a MC Mini Extender which protects the top connector of the Universal MC Extender. Also available from stock is a version for the PC AT[®] computer.

IBM, Micro Channel and AT are registered trademarks of the IBM Corporation

AZ-COM • 12 Rose Lane, Suite 104 • Orinda, CA 94563 • TEL: (510)254-5400

Part 2. IOV Adapters — Listings by Category

Development Tool (Continued)

- COMPANY: Advanced Microcomputer Systems, Inc.
ADDRESS: 1321 NW 65th Place
Fort Lauderdale, FL 33309
U.S.A.
PHONE: 1-305-975-9515 / 1-800-972-3733
FAX: 1-305-975-9698
- ADAPTER NAME: PROTO 16
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - YES
POS ID: N/A
BUS MASTER: NO
AVAILABLE: 8/87
DESCRIPTION: Prototype card for new product development. 16-bit data bus with video connection.
-
- ADAPTER NAME: PROTO 16 IO
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - YES
POS ID: N/A
BUS MASTER: NO
AVAILABLE: 8/87
DESCRIPTION: 16-bit prototype card featuring power and ground traces, capability of installing noise reducing capacitors, wire-wrap IC sockets and discrete components.
-
- ADAPTER NAME: PROTO 32
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - YES
POS ID: N/A
BUS MASTER: NO
AVAILABLE: 8/87
DESCRIPTION: Prototype card for new product development. 32-bit data bus.
-
- ADAPTER NAME: PROTO 32 IO
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - YES
POS ID: N/A
BUS MASTER: NO
AVAILABLE: 1/88
DESCRIPTION: 32-bit prototype card featuring power and ground traces, capability of installing noise reducing capacitors, wire-wrap sockets and discrete components. For PS/2* Model 80 computers.
-
- COMPANY: Altera Corporation
ADDRESS: 2610 Orchard Parkway
San Jose, CA 95134
U.S.A.
PHONE: 1-408-984-2800 / 1-800-800-3753
FAX: 1-408-435-1394
- ADAPTER NAME: LP5 Programming Card
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6106
BUS MASTER: NO
AVAILABLE: 4/88
DESCRIPTION: Programming card for all Altera Erasable Programmable Logic Devices (EPLDs) compatible with the Micro Channel* bus of IBM* PS/2* computers.
-
- COMPANY: AMBER Software Corporation
ADDRESS: 10160 SW Nimbus Avenue
Suite F-1A
Portland, OR 97223
U.S.A.
PHONE: 1-503-620-4755
FAX: 1-503-620-5442
- ADAPTER NAME: AMBER**
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6100
BUS MASTER: NO
AVAILABLE: 1/88
DESCRIPTION: 4GNL programming environment. Integrated tool for developing business software.
-
- COMPANY: Blue Chip Technology
ADDRESS: Hawarden Industrial Park
Manor Lane
Deesie, Clwyd CH5 3PP
UNITED KINGDOM
PHONE: 44-(0)244-520-222
FAX: 44-(0)244-531-043
- ADAPTER NAME: MC-PROTO-1 Prototyping Card
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: N/A - Prototype Adapter
BUS MASTER: NO
AVAILABLE: 2/90
DESCRIPTION: This card provides all the bus interface and control logic necessary to make an I/O link to the Micro Channel* bus. This can save many weeks of design effort and shorten the overall development cycle. For low volume applications it may prove to be the only cost efficient way of producing a specialist card. The card uses the Chips & Technologies 83C575 chip to provide address (4-bit), data (8-bit), I/O read, I/O write and reset signals.

Part 2. IOV Adapters — Listings by Category

Development Tool (Continued)

COMPANY: Brain Boxes ADDRESS: Unit 3G, Wavertree Technology Park Wavertree Boulevard South Liverpool L7 9PF UNITED KINGDOM PHONE: 44-051-220-2500/7190 FAX: 44-051-252-0446	ADAPTER NAME: PS Proto/2 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6BE8 BUS MASTER: YES AVAILABLE: 5/89 DESCRIPTION: PS Proto/2 fits any Micro Channel* bus slot for PS/2* Model 50, 60 and 80 computers. The 132 Micro Channel bus fingers are gold-plated and each line taken to a through-plated hole. The 16-bit channel comprises 58 double-sided fingers allocated to 77 signal lines. Comes complete with 50 way D or 50 way IDC connector and matching bracket. Card has pcb fingers for the video expansion connector.
COMPANY: Capital Equipment Corp. ADDRESS: 76 Blanchard Road Burlington, MA 01803 U.S.A. PHONE: 1-617-273-1818 / 1-800-234-4232 FAX: 1-617-273-9057	ADAPTER NAME: One Chip Plus SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO POS ID: 7CEB BUS MASTER: NO AVAILABLE: 6/88 DESCRIPTION: Complete engineering development kits for I/O, memory, and multifunction Micro Channel* bus add-in boards. Each kit includes a protoboard, Micro Channel bus interface chip, design software, application guide, recommended PC layout and CAD library. Memory kits include 4MB EEM board with LIM 4.0 driver.
COMPANY: Carlsen Consulting Pty. Ltd. ADDRESS: 115 Seaford Road Seaford, Victoria 3198 AUSTRALIA PHONE: 61-(0)3-785-3011 FAX: 61-(0)3-770-0961	ADAPTER NAME: CCMON SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 60CD BUS MASTER: NO AVAILABLE: 6/88 DESCRIPTION: CCMON produces a menu driven user interface into SYSDM on the IBM* 4700 Finance Controllers. The features include B-Loop tracing, menu-driven operations and FCL symbolic debugging.
COMPANY: Elverex (Int) Ltd. ADDRESS: Enterprise House Plassey Technological Park Limerick IRELAND PHONE: 353-(0)61-338-177 FAX: 353-(0)61-338-065	ADAPTER NAME: EVALUATOR SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6A41-6A45 (Uses all 5) BUS MASTER: NO AVAILABLE: 3/90 DESCRIPTION: EVALUATOR is a CASE tool used to automate the procedure of testing computer software. It does this by functionally testing software. The adapter card communicates with an external "black box" which in turn simulates data input (keyboard/mouse).
COMPANY: IFD Ingenieurbuero fuer Datentechnik ADDRESS: Eugenbacher Strasse 93a Altldorf 8300 FEDERAL REPUBLIC OF GERMANY PHONE: 49-871-32777 FAX: 49-871-34206	ADAPTER NAME: IF-800 Universal (E)EPROM Programmer SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6A0A BUS MASTER: NO AVAILABLE: 8/90 DESCRIPTION: Universal programming system for programming 16 kbit to 8 Mbit (E)EPROMs. Includes software and external case with ZIF socket.
COMPANY: On Target Associates ADDRESS: 1010 West Fremont Avenue Suite B Sunnyvale, CA 94087 U.S.A. PHONE: 1-408-739-8002 FAX: 1-408-739-1462	ADAPTER NAME: 550-132 Triple Height 16 Bit Wire Wrap Card SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - YES POS ID: Prototype card = POS of developer BUS MASTER: NO AVAILABLE: 8/87 DESCRIPTION: Prototype card with technical documentation including programmable optional select hardware examples and adapter description file software examples, 4 layer construction, bus signal labels, pre-defined areas for IC packages with decoupling capacitor sites plus much more.

Part 2. IOV Adapters — Listings by Category

Development Tool (Continued)

COMPANY: On Target Associates
ADDRESS: 1010 West Fremont Avenue
Suite B
Sunnyvale, CA 94087
U.S.A.
PHONE: 1-408-739-8002
FAX: 1-408-739-1462

ADAPTER NAME: 550-182 Triple Height 32 Bit Wire Wrap Card
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - YES
POS ID: Prototype card = POS of developer
BUS MASTER: NO
AVAILABLE: 11/87
DESCRIPTION: Prototype card with technical documentation including programmable option select hardware examples and adapter description file software examples, 4 layer construction, bus signal labels, pre-defined areas for IC packages with decoupling capacitor sites plus much more.

ADAPTER NAME: 570-132 Standard Height 16 Bit Wire Wrap Card
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - YES
POS ID: Prototype card = POS of developer
BUS MASTER: NO
AVAILABLE: 5/88
DESCRIPTION: Prototype card with technical documentation including programmable option select hardware examples and adapter description file software examples, 4 layer construction, bus signal labels, pre-defined areas for IC packages with decoupling capacitor sites plus much more.

ADAPTER NAME: 570-182 Standard Height 32 Bit Wire Wrap Card
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - YES
POS ID: Prototype card = POS of developer
BUS MASTER: NO
AVAILABLE: 7/87
DESCRIPTION: Prototype card with technical documentation including programmable option select hardware examples and adapter description file software examples, 4 layer construction, bus signal labels, pre-defined areas for IC packages with decoupling capacitor sites plus much more.

ADAPTER NAME: 580-132 16-Bit Extender Card
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - YES
POS ID: Bus extender = invisible to CPU
BUS MASTER: NO
AVAILABLE: 8/87
DESCRIPTION: Features custom connector providing a vertical extension of the PS/2* computer Micro Channel* bus. Each signal line labeled on both sides to ensure ease of use during development and troubleshooting. Reduce wear in manufacturing test and repair stations. Low signal cross talk guaranteed.

ADAPTER NAME: 580-182 32-Bit Extender Card
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - YES
POS ID: Bus extender = Invisible to CPU
BUS MASTER: NO
AVAILABLE: 11/87
DESCRIPTION: Features custom connector providing a vertical extension of the PS/2* computer Micro Channel* bus. Each signal line labeled on both sides to ensure ease of use during development and troubleshooting. Reduce wear in manufacturing test and repair stations. Low signal cross talk guaranteed.

ADAPTER NAME: 586-182 32-Bit Controlled Impedance Extender Card
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - YES
POS ID: Bus extender = invisible to CPU
BUS MASTER: NO
AVAILABLE: 3/90
DESCRIPTION: Vertical extension of the Micro Channel* bus using 6 layers provides controlled impedance. Test points are provided for all signal lines, fuses for power and ground lines. Each signal line is labeled at the bus connector and at test points to ensure ease of use during development and troubleshooting.

Part 2. IOV Adapters — Listings by Category

Development Tool (Continued)

COMPANY: On Target Associates
ADDRESS: 1010 West Fremont Avenue
Suite B
Sunnyvale, CA 94087
U.S.A.
PHONE: 1-408-739-8002
FAX: 1-408-739-1462

ADAPTER NAME: 590-132 Ten Slot 16 Bit Burn-in Board
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - YES
POS ID: Development tool = no POS ID
BUS MASTER: NO
AVAILABLE: 2/88
DESCRIPTION: Provides manufacturers of PS/2* computer compatible adapter cards a safe method for testing their adapters without damage to computers. Optional modules and software provide full testing of video adapters and exercise 8 and 16 bit adapter function with easy user defined software in C.

COMPANY: Rampa Computer-Engineering
ADDRESS: Tittwiesenstrasse 60
Chur 7000
SWITZERLAND
PHONE: 41-(0)81-24-89-28
FAX: 41-(0)81-24-59-23

ADAPTER NAME: RE-Proto/2 Prototype Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: Prototype card = POS of developer
BUS MASTER: NO
AVAILABLE: 8/88
DESCRIPTION: 16-bit prototype card featuring power and ground traces, 4 layer construction, bus signal and video connection, wire-wrap. Double height, breakable into 2 normal adapters.

COMPANY: The Periscope Company, Inc.
ADDRESS: 1197 Peachtree Street
Atlanta, GA 30361
U.S.A.
PHONE: 1-404-875-8080 / 1-800-722-7006
FAX: 1-404-872-1973

ADAPTER NAME: Periscope™ Model I/MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6077
BUS MASTER: NO
AVAILABLE: 11/89
DESCRIPTION: Ideal for debugging large programs. Board provides 512K of write-protected RAM (expandable to 2MB) for the Periscope™ debugger software, symbols, etc. The board uses ZERO memory in the lower 640K; it requires just 32K in the first megabyte of memory (above 640K).

Diskette Drive Attachment

COMPANY: GEVA Datentechnik GmbH
ADDRESS: Joseph-von-Fraunhofer-Strasse 3
D-5110 Aisdorf
FEDERAL REPUBLIC OF GERMANY
PHONE: 49-02404-5500-0
FAX: 49-02404-5500-99

ADAPTER NAME: SDC-III
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6AC4
BUS MASTER: NO
AVAILABLE: 1/91
DESCRIPTION: This adapter in connection with an external drive box builds a modular designed disk-conversion system. Different hardware and software levels support more than 1300 different floppy disk formats including special hard- and soft-sectorized recording formats using 8 inch, 5.25 inch, 3.5 inch and 3 inch disk drives.

COMPANY: van den berg Elektronik GmbH
ADDRESS: Albert-Steiner Strasse 25
5120 Herzogenrath 1
Postfach 1408
FEDERAL REPUBLIC OF GERMANY
PHONE: 49-(0)24-06-30-53
FAX: 49-(0)24-06-73-08

ADAPTER NAME: DS8710 Multiple Floppy Disk Unit
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 581D
BUS MASTER: NO
AVAILABLE: 4/90
DESCRIPTION: Multifunction floppy disk unit that contains an 8 inch drive, a 5.25 inch drives 96 tpi and 48 tpi, and a 3.5 inch drive up to 1.40MB. It is possible to read, write and format all floppy-disk-formats that fit into MS DOS, CP/M, UNIX™ and several other special operating systems. The "turn-around" board fits at one side into PS/2* computers with the Micro Channel* bus and at the other side into AT* bus compatible computers.

Facsimile

COMPANY: 3X
ADDRESS: 191 Boulevard Pereire
75017 Paris
FRANCE
PHONE: 33-1-45-74-40-14
FAX: 33-1-45-72-27-48

ADAPTER NAME: FLYP 96
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6A35
BUS MASTER: NO
AVAILABLE: 9/90
DESCRIPTION: FLYP 96 is a complete FAX board and software for PS/2* computers. As it is HP Laserjet compatible, it enables you to FAX from any application DOS or Windows™ 3, in the background, with graphics, gray scale and multiple fonts, the exact copy of what an HP Laserjet printer would have printed. With the software WYSIWYF-FAX-SERVER, you can now share in one dedicated FAX server from 1 to 4 FLYP 96 FAX boards on all types of networks.

Part 2. IOV Adapters — Listings by Category

Facsimile (Continued)

COMPANY: Advanced Microcomputer Systems, Inc. ADDRESS: 1321 NW 65th Place Fort Lauderdale, FL 33309 U.S.A. PHONE: 1-305-975-9515 / 1-800-972-3733 FAX: 1-305-975-9698	ADAPTER NAME: FAXPAK 2 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 602D BUS MASTER: NO AVAILABLE: 7/88 DESCRIPTION: Hayes™ compatible 2400 baud Modem and 9600 baud FAX.
COMPANY: Digitronic Computersysteme GmbH ADDRESS: Am Kamp 17 2081 Holm FEDERAL REPUBLIC OF GERMANY PHONE: 49-4103-88672 FAX: 49-4103-7393	ADAPTER NAME: MC-Fax 2000™ SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - YES POS ID: 6B6F BUS MASTER: NO AVAILABLE: 6/90 DESCRIPTION: Facsimile card for Group 3. A maximum of 6 cards can be connected to one PS/2™ computer. Drivers are provided for Microsoft™ Windows™, DOS 3.3, LAN Manager, OS/2™ and UNIX™ computer software. Each channel can be addressed individually by software for maximum performance.
COMPANY: Icedata SRL ADDRESS: Via Liano 3720 40024 Castel San Pietro Terme Bologna ITALY PHONE: 39-51-944-566 FAX: 39-51-944-570	ADAPTER NAME: TCFAX MC™ SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6A98 BUS MASTER: NO AVAILABLE: 4/90 DESCRIPTION: 9600 bps facsimile board. Sold as (1) TCFAX MC™ it includes advanced software features to allow broadcasting, polling, signature, logo, conversation during transmission and file transfer at 9600 bps protocol FDLC; (2) TCFAXPLUS MC™ including advanced software for LAN installation and use in mail gateway applications; (3) TCFAXMANAGER™ allows user to develop software to archive / search an optical disk drive for sent and received FAXes.
COMPANY: Intel Corporation ADDRESS: 5200 NE Elam Young Parkway Hillsboro, OR 97124 U.S.A. PHONE: 1-503-629-7000 / 1-800-538-3373 FAX: 1-800-458-6231	ADAPTER NAME: Intel™ SatisFAXtion Fax/Modem SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 61BF BUS MASTER: NO AVAILABLE: 1/91 DESCRIPTION: The Intel™ SatisFAXtion board provides 9600 bps FAX and 2400 bps modem capabilities with a gray-scale scanner option to IBM® PS/2™ computers.
COMPANY: Pacific Image Communications, Inc. ADDRESS: 1111 South Arroyo Parkway Suite 430 Pasadena, CA 91105 U.S.A. PHONE: 1-818-441-0104 FAX: 1-818-441-2370	ADAPTER NAME: SuperFax MC SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 0425 BUS MASTER: YES AVAILABLE: 4/89 DESCRIPTION: One of the first true bus master solutions running under Windows™ and OS/2™ computer software. Up to seven FAX boards can run concurrently in a true background mode with no degradation to the foreground task.
COMPANY: THE FAXGROUP ADDRESS: 249 South Highway 101 Solana Beach, CA 92075 U.S.A. PHONE: 1-901-873-3040 / 1-800-346-1799 FAX: 1-901-873-1867	ADAPTER NAME: FAXPRO™ 1402-FD SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 620D BUS MASTER: NO AVAILABLE: 3/90 DESCRIPTION: FAXPRO™ 1402-FD for single user DOS-based systems. Makes FAXing as easy as printing from any application. Preview, letterhead, forms and signatures! This unit has both FAX and modem capabilities. Operates full background under DOS and Windows™ software.

Part 2. IOV Adapters — Listings by Category

Facsimile (Continued)

COMPANY: THE FAXGROUP
ADDRESS: 249 South Highway 101
Solana Beach, CA 92075
U.S.A.
PHONE: 1-901-873-3040 / 1-800-346-1799
FAX: 1-901-873-1867

ADAPTER NAME: FAXPRO™ 1402-IN
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 620E
BUS MASTER: NO
AVAILABLE: 3/90
DESCRIPTION: FAXPRO 1402-IN for single-user DOS systems. This model is specially designed to meet the various PTT requirements. This unit has been approved in 24 countries. Its user interface operates under DOS, Windows™ 3 or OS/2™ computer software. Full background operation.

ADAPTER NAME: FAXPRO™ 1402-IO
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 61EB
BUS MASTER: NO
AVAILABLE: 3/90
DESCRIPTION: FAXPRO™ 1402-IO for single user DOS-based systems. This model is specifically designed to meet the IBM® safety requirements. This unit has both FAX and MODEM capabilities. Its user interface operates under DOS and OS/2™ computer software. Full background operation.

ADAPTER NAME: FAXPRO™ 3062-IO
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 620C
BUS MASTER: NO
AVAILABLE: 3/90
DESCRIPTION: FAXPRO™ 3062-IO for multi-user LAN-based systems. This model is specifically designed to meet the IBM® safety requirements. This unit has both FAX and modem capabilities. Its user interface operates under DOS and OS/2™ computer software. Unlimited version.

ADAPTER NAME: FAXPRO™ 3L52-IO
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 61ED
BUS MASTER: NO
AVAILABLE: 3/90
DESCRIPTION: FAXPRO™ 3L52-IO for multi-user LAN-based systems. This model is specifically designed to meet the IBM® safety requirements. This unit has both FAX and modem capabilities. Its user interface operates under DOS and OS/2™ computer software. Limited to 10 users per LAN.

ADAPTER NAME: FAXPRO™ 4401-IU
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6206
BUS MASTER: NO
AVAILABLE: 3/90
DESCRIPTION: FAXPRO™ 4401-IU for IBM® PS/2® Model 70 and 80 computer systems with AIX® computer software. This model is specifically designed to meet the IBM safety requirements. This unit has both FAX and modem capabilities. Its user interface operates under DOS and AIX computer software.

ADAPTER NAME: FAXPRO™ 4403-IU
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 620A
BUS MASTER: NO
AVAILABLE: 3/90
DESCRIPTION: FAXPRO 4403-IU for IBM® RISC System/6000® POWERstation 520-based systems. This model is specifically designed to meet the IBM safety requirements. This unit has both FAX and modem capabilities. Its user interface operates under AIX® computer software.

ADAPTER NAME: FAXPRO™ 4405-IU
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 6209
BUS MASTER: NO
AVAILABLE: 3/90
DESCRIPTION: FAXPRO™ 4405-IU for IBM® RISC System/6000® POWERstation 5530, 730 and 930. This model is specifically designed to meet the IBM safety requirements. This unit has both FAX and modem capabilities. Its user interface operates under AIX® computer software.

Part 2. IOV Adapters — Listings by Category

Facsimile (Continued)

COMPANY: THE FAXGROUP
ADDRESS: 249 South Highway 101
Solana Beach, CA 92075
U.S.A.
PHONE: 1-901-873-3040 / 1-800-346-1799
FAX: 1-901-873-1867

ADAPTER NAME: FAXPRO™ 4406-IU
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 6208
BUS MASTER: NO
AVAILABLE: 3/90
DESCRIPTION: FAXPRO 4406-IU for IBM* RISC System/6000* POWERstation 540 large systems. This model is specially designed to meet the IBM safety requirements. This unit has both FAX and modem capabilities. Its user interface operates under AIX* computer software.

ADAPTER NAME: FAXPRO™ 5000-IU
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6207
BUS MASTER: NO
AVAILABLE: 3/90
DESCRIPTION: FAXPRO™ 5000-IU MULTIPRO. For PS/2* Model 80 computer-based FAX gateways. This unit has been designed to act as a front-end device for IBM mainframes. The MULTIPRO makes FAXing from a mainframe as easy as printing to a printing device. Overlay of custom forms is standard.

ADAPTER NAME: FAXPRO™ 5000-X4
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6204
BUS MASTER: NO
AVAILABLE: 3/90
DESCRIPTION: FAXPRO™ 5000-X4 MULTIPRO for IBM* PS/2* Model 80 computer-based FAX gateways. The unit has been designed to act as a front-end device for IBM mainframes, and has both a FAX and an X400 electronic mail interface. Options include Group IV FAXing over leased or digital networks.

ADAPTER NAME: THE FAXPRO SERIES
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6267
BUS MASTER: NO
AVAILABLE: 12/89
DESCRIPTION: FAXPRO lets you send and receive FAXes from your PS/2* computers. FAXPRO works from any program that has a Print command. FAXPRO lets you add your letterhead and signature to any FAX you send from your PS/2 computer.

Fixed Disk Attachment

COMPANY: Arco Electronics Inc.
ADDRESS: 5830 Sheridan Street
Hollywood, FL 33021
U.S.A.
PHONE: 1-305-961-1666
FAX: 1-305-964-1984

ADAPTER NAME: AC-1060 ESDI Controller
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6A59
BUS MASTER: YES
AVAILABLE: 2/90
DESCRIPTION: The ARCO AC-2060 ESDI Controller is a high-speed, intelligent ESDI Winchester drive controller. It operates as a bus master and transfers data between disk drives and system memory by using one bus cycle per word transfer.

ARCO ELECTRONICS

Dedicated to Enhancing Your Micro Channel® Computer

ENHANCEMENT PRODUCTS FOR IBM® MICRO CHANNEL ARCHITECTURE

- AC-1060 ESDI for all PS/2® Computers
- AC-1075 IDE PS/2 Model 50 and 50Z Computers
- AC-1070 IDE for all PS/2 Computers
- AE/2 ETHERNET for Twisted Pair and BNC

ARCO ELECTRONICS, INC.
5830 Sheridan St.
Hollywood, Florida 33021
TEL 305-961-1666 FAX 305-964-1984

ARCO ELECTRONICS CONTROL LTD.
7 Shapiro St., New Industrial Park P.O.B. 4551
Rishon Le-Zion 75144, ISRAEL
TEL 972-3-9630808 FAX 972-3-9614675

ELCOP
Av Du QUEBEC Z.A.
De Courtaboeuf 91940 Les Ulis
TEL 33-1-6928-2600 FAX 33-1-6928-3675

IBM, Micro Channel and PS/2 are registered trademarks of the IBM Corporation

Part 2. IOV Adapters — Listings by Category

Fixed Disk Attachment (Continued)

COMPANY: Arco Electronics Inc.
ADDRESS: 5830 Sheridan Street
Hollywood, FL 33021
U.S.A.
PHONE: 1-305-961-1666
FAX: 1-305-964-1984

ADAPTER NAME: AC-1070 IDE Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6263
BUS MASTER: NO
AVAILABLE: 8/91
DESCRIPTION: High speed IDE host adapter for Micro Channel* bus-based computers. Interfaces low cost AT* industry standard IDE hard drives to IBM* PS/2* computers and compatibles. Each adapter supports one or two hard drives and may co-exist with the installed IBM hard drives. Provides +5, +12 volts DC power. Supports DOS 3.3 and above, Windows™ 3.0, OS/2* 1.30.1 and Novell™ 286 and 386 computer software.

ADAPTER NAME: AC-1075 IDE Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6263
BUS MASTER: NO
AVAILABLE: 12/91
DESCRIPTION: A high speed IDE host adapter designed to replace the IBM hard drive adapter in the PS/2* Model 50 and 50Z computers. Allows you to replace your IBM hard drive with low cost AT* industry standard IDE hard drives. Each adapter supports one or two hard drives. Provides +5, +12 volts DC power. Supports DOS 3.3 and above, Windows™ 3.0, OS/2* 1.30.1, and Novell™ 286 and 386 computer software.

COMPANY: CORE International, Inc.
ADDRESS: 7171 North Federal Highway
Boca Raton, FL 33487
U.S.A.
PHONE: 1-407-997-6055
FAX: 1-407-997-6009

ADAPTER NAME: CNT-ARR
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 0504
BUS MASTER: YES
AVAILABLE: 4/91
DESCRIPTION: Fixed disk adaptor supporting CORE disk array.

ADAPTER NAME: CNT-MCK
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 0500
BUS MASTER: YES
AVAILABLE: 12/89
DESCRIPTION: 20MHz ESDI hard disk controller supporting 2 hard disk drives and 2 floppy drives. Compatible with OS/2* and Novell™ computer software. DMA on board. Can co-exist with IBM* controllers for duplexing. Supports IBM drives. NSTL Certified.

COMPANY: Custom Computer Systems
ADDRESS: 36 Woodland Road
Northboro, MA 01532
U.S.A.
PHONE: 1-508-393-8899

ADAPTER NAME: C1000 IDE Hard Drive Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6213
BUS MASTER: NO
AVAILABLE: 9/91
DESCRIPTION: IDE Hard Drive Adapter for up to 2 drives with auto identity and geometry factor translation features.

COMPANY: Intelligent Interface Inc.
ADDRESS: 2832-C Walnut Avenue
Tustin, CA 92680
U.S.A.
PHONE: 1-714-730-9625
FAX: 1-714-730-7176

ADAPTER NAME: IX6132 IPI-2 Disk Controller
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 0FBD
BUS MASTER: YES
AVAILABLE: 7/92
DESCRIPTION: High performance IPI-2 Disk Controller with up to 8MB of on-board cache. The IX6132 controls a string of up to 8 IPI-2 disk drives. It supports a maximum IPI transfer rate of 24MB/second and a maximum Micro Channel* bus data rate of 40MB/second.

COMPANY: Procom Technology, Inc.
ADDRESS: 200 McCormick Avenue
Costa Mesa, CA 92626
U.S.A.
PHONE: 1-714-549-9449
FAX: 1-714-549-0527

ADAPTER NAME: MC-IDE
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 7125
BUS MASTER: NO
AVAILABLE: 1/90
DESCRIPTION: IDE host adapter for IBM* Micro Channel* bus. Supports 2 disk drives, any standard IDE drive and 1:1 interleaving.

Part 2. IOV Adapters — Listings by Category

Fixed Disk Attachment (Continued)

COMPANY: Sanyo Icon
ADDRESS: 18401 Von Karman
Suite 750
Irvine, CA 92715
U.S.A.
PHONE: 1-714-263-3777 / 1-800-487-2696
FAX: 1-714-474-1377

ADAPTER NAME: Micro SMILE™
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 61CB
BUS MASTER: NO
AVAILABLE: 5/91
DESCRIPTION: Micro SMILE™ is Sanyo Icon's bus extender from IBM® PS/2™ computers with Micro Channel™ architecture to the LANser™ family of Intelligent Disk Server™ (IDS™) products. A single IDS system can support 112GB of disk storage shared by multiple servers with effective 0.1ms disk access.

COMPANY: Storage Concepts, Inc.
ADDRESS: 1622 Deere Avenue
Irvine, CA 92714
U.S.A.
PHONE: 1-714-852-8511 / 1-800-525-9217
FAX: 1-714-557-5064

ADAPTER NAME: RSHA
SUPPORTS: PS/2 - NO RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 0071
BUS MASTER: YES
AVAILABLE: 10/91
DESCRIPTION: Fixed disk adapter supporting a SCSI-2 connection to Storage Concepts' redundant parallel disk array storage subsystems.

ADAPTER NAME: RSHD
SUPPORTS: PS/2 - NO RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 0071
BUS MASTER: YES
AVAILABLE: 10/91
DESCRIPTION: Fixed disk adapter supporting a SCSI-2 and Differential Fast Bus (DFB) connection to Storage Concepts' redundant parallel disk array storage subsystems.

Game Port

COMPANY: Advanced Gravis Computer Technology
Ltd.
ADDRESS: 7400 MacPherson Avenue
Suite 111
Burnaby, British Columbia V6J 5B6
CANADA
PHONE: 1-604-434-7274
FAX: 1-604-434-7809

ADAPTER NAME: Gravis Eliminator™ Game Card
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - YES
POS ID: 6169
BUS MASTER: NO
AVAILABLE: 12/89
DESCRIPTION: The Eliminator™ is a speed compensating game card for Micro Channel™ bus-based PCs up to 50MHz. The card provides a joystick port and installation is quick and easy. It comes complete with GravTest, a calibration and testing program.

COMPANY: CH Products
ADDRESS: 970 Park Center Drive
Vista, CA 92083
U.S.A.
PHONE: 1-619-598-2518 / 1-800-624-5804
FAX: 1-619-598-2524

ADAPTER NAME: Gamecard III-Automatic for IBM® Micro Channel™ Architecture
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 63B3
BUS MASTER: NO
AVAILABLE: 9/90
DESCRIPTION: A game I/O adapter that allows all IBM PC compatible joysticks to work on the PS/2™ computers with the Micro Channel™ bus. Automatically adjusts to the speed of the computer. Features two joystick ports, multispeed programmability, and includes software for test and calibration.

COMPANY: Electronica Sillaro S.R.L.
ADDRESS: Via Meucci, 11
Castel S. Pietro Terme (BO) 40024
ITALY
PHONE: 39-51-94-06-09
FAX: 39-51-94-17-37

ADAPTER NAME: P10.009.02
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6246
BUS MASTER: NO
AVAILABLE: 5/91
DESCRIPTION: Joystick I/O adapter with 1 game port. Compatible with DOS and OS/2™ computer software.

COMPANY: Kraft Systems, Inc.
ADDRESS: 450 West California Avenue
Vista, CA 92083
U.S.A.
PHONE: 1-619-724-7146
FAX: 1-619-941-1770

ADAPTER NAME: G/S + for IBM® Micro Channel™ Architecture
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 67E7
BUS MASTER: NO
AVAILABLE: 9/90
DESCRIPTION: Software controlled game port with high speed serial port for Micro Channel™ bus-based systems. Game card software automatically selects the correct speed and disables the port if required. RS232 serial port supports COM1 through COM4 at speeds up to 115,000 baud.

Part 2. IOV Adapters — Listings by Category

Game Port (Continued)

COMPANY: Quatech, Inc.
ADDRESS: 662 Wolf Ledges Parkway
Akron, OH 44311
U.S.A.
PHONE: 1-216-434-3154 / 1-800-553-1170
FAX: 1-216-434-1409

ADAPTER NAME: GPA-1000
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5FE5
BUS MASTER: NO
AVAILABLE: 3/89
DESCRIPTION: Game port (joystick) adapter for the Micro Channel* bus. Supports two joysticks with one or two buttons, or four paddles with one button each.

Graphics Interface

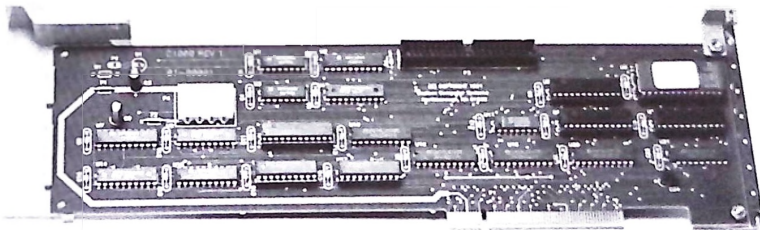
COMPANY: Allus Technology Corporation
ADDRESS: P.O. Box 690907
Houston, TX 77269
U.S.A.
PHONE: 1-713-894-4455
FAX: 1-713-894-6709

ADAPTER NAME: ATC-1148 Flat Panel Display Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 80AB
BUS MASTER: NO
AVAILABLE: 3/90
DESCRIPTION: VGA flat panel controller adapter allows EL, plasma and LCD displays to be connected to a PS/2* computer.

COMPANY: ARTIST Graphics
ADDRESS: A Control Systems Company
2675 Patton Road
St. Paul, MN 55113
U.S.A.
PHONE: 1-612-631-7800 / 1-800-627-8478
FAX: 1-612-631-8424

ADAPTER NAME: ARTIST 10 MC** Graphic Controller
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 8080
BUS MASTER: NO
AVAILABLE: 4/88
DESCRIPTION: Displays 1024 x 768 non-interlaced resolution with either 16 or 256 colors. Each board is shipped with our high speed ADI driver for AutoCAD**, ARTIST GT software. May be used in a single or dual screen graphics workstation. For PS/2* Model 50, 60, 70 and 80 computers.

Pull Your Micro Channel[®] Bus Into the IDE Fast Lane With Custom Computer Systems' C1000 Adapter Card.



Turbo charge your PS/2[®] and other Micro Channel machines with today's high performance, high-storage, low-cost IDE drives using Custom Computer Systems' new C1000 adapter card.

- ✓ Easy-to-use automatic installation retrieves disk drive parameters directly from drive. No manual entry.
- ✓ Supports up to two IDE drives and can operate in co-resident mode with existing PS/2 drive(s).
- ✓ Average access times as fast as 3 milliseconds (drive-dependant).
- ✓ Zero wait-state data transfers.
- ✓ Burst transfer rates of up to 10 megabytes per second (drive-dependant).
- ✓ Built-in factor translation capability automatically configures even drives with more than 1,024 cylinders to maximum capacity *without using device drivers*. No wasted storage.
- ✓ 16 bit data bus
- ✓ Designed and manufactured in the United States of America.

® Micro Channel and PS/2 are registered trademarks of the International Business Machines Corporation.

Custom Computer Systems - Northboro, MA
Call (508) 393-8899 for information and orders.

Part 2. IOV Adapters — Listings by Category

Graphics Interface (Continued)

COMPANY: ARTIST Graphics
ADDRESS: A Control Systems Company
2675 Patton Road
St. Paul, MN 55113
U.S.A.
PHONE: 1-612-631-7800 / 1-800-627-8478
FAX: 1-612-631-8424

ADAPTER NAME: ARTIST 12 MC™ Graphic Controller
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 67FD
BUS MASTER: NO
AVAILABLE: 3/89
DESCRIPTION: 1280 x 1024 high resolution graphic controller for PC CAD. Displays either 16 or 256 colors from a palette of 16.7 million. Based on Hitachi™ ACRTC high performance graphics microprocessor. For PS/2™ Model 50, 60, 70 and 80 computers.

ADAPTER NAME: ARTIST XJS MC™ Graphic Controller
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 80C3
BUS MASTER: NO
AVAILABLE: 3/91
DESCRIPTION: Displays 1024 x 768 to 1600 x 1200 non-interlaced. 16 and/or 256 colors, depending on model. Features TI 34020 processor. 16.7 million color palette. Supports 32-bit interface to IBM™ Micro Channel™ architecture. TIGA compatible. Compatible with Windows™ 3.0 software.

ADAPTER NAME: WinSprint 200MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 80C3
BUS MASTER: NO
AVAILABLE: 3/92
DESCRIPTION: This graphic controller accelerates Windows™ software, displays a 1024 x 768 resolution with 16 or 256 colors, and supports 60 and 70 Hz refresh rates. It features the TI 34020 processor for high speed graphics and a 2048 x 768 virtual display called Panoramic View.

ADAPTER NAME: WinSprint 300MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 80C3
BUS MASTER: NO
AVAILABLE: 10/91
DESCRIPTION: A Windows™ software graphic accelerator featuring the powerful TI 34020 processor for high speed graphics and a 2048 x 768 virtual display called Panoramic View. It displays either 1024 x 768 or 1152 x 870 with 256 colors and supports a 60 or 70 Hz refresh.

ADAPTER NAME: WinSprint 400MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 80C3
BUS MASTER: NO
AVAILABLE: 10/91
DESCRIPTION: This Windows™ software accelerator displays a 1280 x 1024 resolution with 16 or 256 colors, and supports 60 and 75 Hz refresh rates. It features the powerful TI 34020 processor for high speed graphics and up to a 2048 x 2048 virtual display called Panoramic View.

ADAPTER NAME: WinSprint 500MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 80C3
BUS MASTER: NO
AVAILABLE: 10/91
DESCRIPTION: This powerful graphic controller is ideally suited for document image processing. It displays 1600 x 1200 pixels with 16 or 256 colors. It features the TI 34020 processor for high speed graphics and a 2048 x 2048 virtual display called Panoramic View.

Part 2. IOV Adapters — Listings by Category

Graphics Interface (Continued)

COMPANY: Cambridge Computer Graphics Ltd
ADDRESS: Convent Drive
Waterbeach, Cambridge CG5 90T
UNITED KINGDOM
PHONE: 44-223-863-311
FAX: 44-223-861-285

ADAPTER NAME: Marksman II
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 8075
BUS MASTER: NO
AVAILABLE: 10/89
DESCRIPTION: High resolution graphics adapter (1024, 1280 or 1600) with high speed display list driver for AutoCAD™ software featuring user configurable pop-up icon panel. User selectable saved zooms, configuration AutoCAD software screen. Upgradeable to 256 colours, with 1MB, 2MB or 4MB dynamic RAM supports TIGA and Windows™ 3 also upgradeable to the phantom graphics processor.

ADAPTER NAME: Phantom
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 8075
BUS MASTER: NO
AVAILABLE: 11/90
DESCRIPTION: High resolution graphics adapter (1600 or 1280) with high speed display list driver for AutoCAD™ software featuring dynamic zoom and pan, user configuration, pop-up icon panel. user selected saved zooms, configuration AutoCAD software screen. Upgradeable to 256 colours, with 2MB, 4MB or 8MB dynamic RAM supports TIGA and Windows 3.

COMPANY: CITEC S.p.A.
ADDRESS: Via Alessandro Farnese, 3
00192 Rome
ITALY
PHONE: 39-(0)6-32-16-693
FAX: 39-(0)6-37-25-105

ADAPTER NAME: Connection Board for Expansion Chassis Mod. CT 971
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6A48
BUS MASTER: NO
AVAILABLE: 7/90
DESCRIPTION: Add-on board to drive external expansion chassis with 8 slots for PS/2* computers.

ADAPTER NAME: Frame Buffer and H.R. Monitor Mod. CT 820 for Micro Channel* Bus
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 8058
BUS MASTER: NO
AVAILABLE: 7/90
DESCRIPTION: Video board containing 504KB of triple port memory with a proprietary bus to connect scanner interface (mod. CT 1020) and raster image processor (mod. CT 5177). The associated 19 inch high resolution monitor is 1728 x 2304 dots, paper white monochrome.

ADAPTER NAME: Raster Image Processor Mod. CT 5177 for Micro Channel* Architecture
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 781E
BUS MASTER: NO
AVAILABLE: 7/90
DESCRIPTION: Intelligent board for PS/2* computers. Software device driver included. Used to process images in frame buffer (mod. CT 820) or in PS/2* computer memory. Functions: CGITT G3 and G4 compression/decompression, IBM* IOCA standard, shift, pan, zoom, inverse video, lens.

COMPANY: Colorgraphic Communications Corp.
ADDRESS: 5388 New Peachtree Road
Atlanta, GA 30341
U.S.A.
PHONE: 1-404-455-3921
FAX: 1-404-458-0616

ADAPTER NAME: Dual VGA + for Micro Channel* Architecture
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 8102
BUS MASTER: NO
AVAILABLE: 5/90
DESCRIPTION: The Dual VGA + adapter for Micro Channel* architecture contains two independent VGA display controllers on one card. This allows a PS/2* computer to drive up to three monitors for true multi-tasking and is compatible with DOS, OS/2* and the Presentation Manager* computer software.

Part 2. IOV Adapters — Listings by Category

Graphics Interface (Continued)

COMPANY: Colorgraphic Communications Corp.
ADDRESS: 5388 New Peachtree Road
Atlanta, GA 30341
U.S.A.
PHONE: 1-404-455-3921
FAX: 1-404-458-0616

ADAPTER NAME: VGA/MC Single VGA Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 8102
BUS MASTER: NO
AVAILABLE: 7/90
DESCRIPTION: The VGA/MC VGA Adapter allows the addition of a second color display to a PS/2* computer. This adapter offers enhanced pixel and color resolution. Compatible with OS/2* and Microsoft** Windows** 3.0 computer software.

COMPANY: Cornerstone Technology
ADDRESS: 1990 Concourse Drive
San Jose, CA 95131
U.S.A.
PHONE: 1-408-435-8900 / 1-800-562-2552
FAX: 1-408-435-8998

ADAPTER NAME: DualPage™ 120
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 80A5
BUS MASTER: NO
AVAILABLE: 5/91
DESCRIPTION: Video display adapter for the Micro Channel* architecture. Sold with high-resolution, large screen, gray scale display. Provides high resolution and fast refresh rates. Ideal for graphics-based applications like IBM* Presentation Manager* computer software. Provides 1600 x 1280 resolution at 76Hz refresh in a 19 inch Landscape Display.

ADAPTER NAME: DualPage™ 150
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 80A5
BUS MASTER: NO
AVAILABLE: 10/91
DESCRIPTION: Video display adapter for the Micro Channel* architecture. Sold with high-resolution, large screen, gray scale display. Provides high resolution and fast refresh rates. Ideal for graphics-based applications like IBM* Presentation Manager* computer software. Provides 2048 x 1538 resolution at 67Hz refresh in a 19 inch Landscape Display.

ADAPTER NAME: SinglePage™ XL
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 80A5
BUS MASTER: NO
AVAILABLE: 7/89
DESCRIPTION: Video display adapter for the Micro Channel* architecture. Sold with high-resolution, large screen, gray scale display. Provides high resolution and fast refresh rates. Ideal for graphics-based applications like IBM* Presentation Manager* computer software. Provides 768 x 1008 resolution at 70Hz refresh in a 15 Portrait Display.

COMPANY: Datapath Ltd.
ADDRESS: Alfreton Road
Derby DE2 4AD
UNITED KINGDOM
PHONE: 44-0332-294-441
FAX: 44-0332-290-667

ADAPTER NAME: Q-PC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 8024
BUS MASTER: NO
AVAILABLE: 1/90
DESCRIPTION: High resolution graphics adapter. 1280 x 1024 with 256 colours and VGA pass through. Includes drivers for Windows**, AutoCAD**, and many other software products.

COMPANY: Digithurst Ltd.
ADDRESS: Newark Close
Royston, Herts SG8 5HL
UNITED KINGDOM
PHONE: 44-(0)763-242-955
FAX: 44-(0)763-246-313

ADAPTER NAME: Microeye Picturebook Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6A40
BUS MASTER: NO
AVAILABLE: 6/90
DESCRIPTION: Sizes video in real time and inserts this into a window on the VGA screen.

ADAPTER NAME: Microeye Video Output Board
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 8057
BUS MASTER: NO
AVAILABLE: 3/90
DESCRIPTION: Converts VGA display to TV video format. Supports GENLOCK and overlay, full colour composite and RGB output.

Part 2. IOV Adapters — Listings by Category

Graphics Interface (Continued)

COMPANY: egs mbh
ADDRESS: Steinhof 51
4006 Erkrath
FEDERAL REPUBLIC OF GERMANY
PHONE: 49-211-240-0223
FAX: 49-211-240-0267

ADAPTER NAME: egs-VGA for IBM* Micro Channel* Architecture
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 8051
BUS MASTER: NO
AVAILABLE: 9/90
DESCRIPTION: Fast Super VGA Graphic Adapter for the ergonomic monochrome monitor IRIS 15s of egs with 50% higher refresh rate than normal VGA and overscan.

COMPANY: ELSA GmbH
ADDRESS: Sonnenweg 11
D-5100 Aachen
FEDERAL REPUBLIC OF GERMANY
PHONE: 49-241-9177-0
FAX: 49-241-9177-600

ADAPTER NAME: XHR Alpha/2
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 8027
BUS MASTER: NO
AVAILABLE: 3/90
DESCRIPTION: Color graphics adapter with 64MHz clock rate; resolution 1024 x 768; 16 colors out of a palette of 4096; Hitachi ACRTC controller HD63484-8, ELSA SpeedDraw drivers for AutoCAD™, P-CAD and many other software packages. 512KB dual ported video RAM, analog RGB output, suits 48KHz monitors for non-interlaced display. Single screen operation with VGA loop through. In the U.S. call ELSA America, Inc. at 1-415-588-6285.

ADAPTER NAME: XHR Gemini/2-118
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 805B
BUS MASTER: NO
AVAILABLE: 9/90
DESCRIPTION: Color graphics adapter for PS/2* computers, resolution 1280 x 1024 pixels, 60Hz refresh rate, 256 colors being displayed simultaneously from a palette of 4096, equipped with TI TMS34010-50 processor, support for TIGA, DGIS, EGOS, X-Windows, CGI, HALO, VGA LoopThrough, ZoomList drivers for AutoCAD™ and P-Cad software. In the U.S. call 1-415-588-6285.

ADAPTER NAME: XHR Gemini/2 158
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 805B
BUS MASTER: NO
AVAILABLE: 9/90
DESCRIPTION: High resolution graphics subsystem with Texas Instruments TMS 34010; 1280 x 1024 pixel, 75Hz vertical scan rate, colors 256 / 16.7 million. Support for TIGA, DGIS, CGI, Windows™ and X-Windows software. In the U.S. contact ELSA America, Inc. at 1-415-588-6285.

ADAPTER NAME: XHR Gemini/2 174
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 805B
BUS MASTER: NO
AVAILABLE: 9/90
DESCRIPTION: High resolution graphics subsystem with Texas Instruments TMS 34010; 1600 x 1200 pixel, 60Hz vertical scan rate, colors 256 / 16.7 million. Support for TIGA, DGIS, CGI, Windows™ and X-Windows software. In the U.S. contact ELSA America, Inc. at 1-415-588-6285.

ADAPTER NAME: XHR Gemini/2-858
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 805B
BUS MASTER: NO
AVAILABLE: 9/90
DESCRIPTION: Color graphics adapter for PS/2* computers, resolution 1024 x 768 pixels, 75Hz refresh rate, 256 colors being displayed simultaneously from a palette of 4096, equipped with Texas Instruments TMS34010-50 processor, support for TIGA, DGIS, EGOS, X-Windows, CGI, HALO, ZoomList drivers for AutoCAD™ and P-Cad software. In the U.S. call ELSA American, Inc. at 1-415-588-6285.

Part 2. IOV Adapters — Listings by Category

Graphics Interface (Continued)

COMPANY: ELSA GmbH
ADDRESS: Sonnenweg 11
D-5100 Aachen
FEDERAL REPUBLIC OF GERMANY
PHONE: 49-241-9177-0
FAX: 49-241-9177-600

ADAPTER NAME: XHR Spectra/2
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 8025
BUS MASTER: NO
AVAILABLE: 3/90
DESCRIPTION: Color graphics adapter with 110MHz clock rate; resolution 1280 x 1024; 16 colors out of a palette of 4096; Hitachi ACRTC controller HD63484-8, ELSA SpeedDraw drivers for AutoCAD™, P-CAD and many other software programs. 768KB dual ported video RAM, analog RGB output, suits 64KHz monitors for non-interlaced display. Single screen operation with VGA loop through. In the U.S. contact ELSA America, Inc. at 1-415-588-6285.

ADAPTER NAME: XHR Spectra/2 134
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 805B
BUS MASTER: NO
AVAILABLE: 7/91
DESCRIPTION: High resolution graphics subsystem with Hitachi ACRTC controller, 1280 x 1024 pixel, 75 vertical scan rate, colors 16 / 4096. Support of DGIS, CGI, Windows™, AutoCAD™, etc. software. In the U.S. contact ELSA America, Inc. at 1-415-588-6285.

COMPANY: ETAP Information Technology
ADDRESS: Steenovenstraat 1A
B-2390 Oostmalle
BELGIUM
PHONE: 32-3-310-0411
FAX: 32-3-311-7638

ADAPTER NAME: ATRIS/20 Display Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 8016
BUS MASTER: NO
AVAILABLE: 5/88
DESCRIPTION: Adapter to attach ATRIS/20 high resolution double-page monochrome display (1440 x 728) with 20 inch landscape to the Micro Channel* bus.

ADAPTER NAME: ATRIS QUATTRO/20 Display Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 8016
BUS MASTER: NO
AVAILABLE: 9/91
DESCRIPTION: Adapter to attach ATRIS QUATTRO/20 multi-resolution, double-page monochrome display (1600 x 1200, 1440 x 1080, 1280 x 960, 1440 x 728) with 20 inch landscape to the Micro Channel* bus.

ADAPTER NAME: NEFTIS/20 Display Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 8016
BUS MASTER: NO
AVAILABLE: 5/88
DESCRIPTION: Adapter to attach NEFTIS/20 high resolution, full page monochrome display (720 x 728) with 15 inch portrait to the Micro Channel* bus.

COMPANY: Hercules Computer Technology, Inc.
ADDRESS: 921 Parker Street
Berkeley, CA 94710
U.S.A.
PHONE: 1-415-540-6000 / 1-800-532-0600
FAX: 1-415-540-6621

ADAPTER NAME: Hercules Graphics Station MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 0611
BUS MASTER: NO
AVAILABLE: 3/91
DESCRIPTION: TMS34010-based graphics adapter supporting high resolution 8-bit color for drawing and desktop publishing and 16- and 24-bit true color for photo-realistic image display. For Windows™, CAD, and professional color graphics design applications.

COMPANY: Kofax Image Products
ADDRESS: Three Jenner Street
Irvine, CA 92718
U.S.A.
PHONE: 1-714-727-1733
FAX: 1-714-727-3144

ADAPTER NAME: KF-9500 Document Display System
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 807B
BUS MASTER: NO
AVAILABLE: 9/91
DESCRIPTION: The KF-9500 Document Display System combines image processing and high resolution monochrome graphics for systems with IBM™ Micro Channel™ Architecture. The KF-9500 Document Display System includes a large 19 inch, 1664 x 1200 monochrome monitor and Micro Channel architecture expansion adapter that provides high speed decompression, scaling and rotation of document images.

Part 2. IOV Adapters — Listings by Category

Graphics Interface (Continued)

COMPANY: LaserData, Inc.
ADDRESS: 300 Vesper Park
Tyngsboro, MA 01879-2722
U.S.A.
PHONE: 1-508-649-4600
FAX: 1-508-649-4436

ADAPTER NAME: LV-6010 Corvette Display Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 706C
BUS MASTER: NO
AVAILABLE: 5/90
DESCRIPTION: Adapter for LV-6010 Corvette Display. High-resolution monochrome display for document imaging with options for printer and scanner interfaces. LV-6010 Corvette Display includes graphics processor, MDA emulation and CCITT compress/decompress.

COMPANY: Lava Computer Mfg Inc.
ADDRESS: 28A Dansk Court
Rexdale, Ontario M9W 5V8
CANADA
PHONE: 1-416-674-5942
FAX: 1-416-674-8262

ADAPTER NAME: NOVA/A
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6187
BUS MASTER: NO
AVAILABLE: 11/90
DESCRIPTION: Video display adapter compatible with IBM* Personal System/2* Display Adapter 8614/A.

COMPANY: Matrox Electronic Systems Ltd.
ADDRESS: 1055 St. Regis Boulevard
Dorval, Quebec H9P 2T4
CANADA
PHONE: 1-514-685-2630 / 1-800-361-4903
FAX: 1-514-685-2853

ADAPTER NAME: Illuminator-16/MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 80EE
BUS MASTER: NO
AVAILABLE: 1/90
DESCRIPTION: Illuminator-16/MC, a high-resolution, Targa-16 compatible, videographics board, provides moveable, scalable live video windows and realtime digital video effects. Supports NTSC, RGB, S-Video and PAL input and output. Windows™ 3.0 driver included.

ADAPTER NAME: MG-108/M
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 80E8
BUS MASTER: NO
AVAILABLE: 1/91
DESCRIPTION: Graphics card register compatible with the IBM* Personal System/2* Display Adapter 8514/A. Includes TI DSP chip to accelerate performance of AutoCAD™ Release 11 software. Non-interlaced 1024 x 768 display resolution with 256 displayable colors. Support for CAD, DTP and Windows™ 3.0 software.

ADAPTER NAME: PC2-QV4
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 7FEE
BUS MASTER: NO
AVAILABLE: 6/88
DESCRIPTION: Quad alphanumeric display controller generates two/four independent displays. Ticker line, panning, scrolling capabilities on board. Also provided are 4 serial ports, downloadable fonts, and video switching capability via an output distribution unit. AIX* computer software driver available.

ADAPTER NAME: PG2-1281
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 80F8
BUS MASTER: NO
AVAILABLE: 6/88
DESCRIPTION: TMS34010 graphics processor and custom gate arrays give high-performance drawing speeds and hardware zoom and pan features to CAD applications. Displays 256 colors from 16.7 million at a resolution of 1280 x 1024. Optional version displays 16 colors from 4096. Contains 1.5MB of display list RAM. Single- or dual-screen solution. Drivers available for DOS, OS/2*, AIX*, Presentation Manager* and X Windows™ computer software.

Part 2. IOV Adapters — Listings by Category

Graphics Interface (Continued)

-
- COMPANY:** Microfield Graphics, Inc.
ADDRESS: 9825 SW Sunshine Court
Suite A1
Beaverton, OR 97005
U.S.A.
PHONE: 1-503-626-9393 / 1-800-334-4922
FAX: 1-503-641-9333
- ADAPTER NAME:** V8/2 Color Graphics Controller
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 80CC
BUS MASTER: NO
AVAILABLE: 4/91
DESCRIPTION: Supports 8-bit pixels at 1280 x 1024. Utilizes CMOS bit-slice processor, ASIC pixel manipulation processor, and 100ns integer multiplier. VGA compatible single-screen operation, high-speed draw, display list and window-oriented graphics supported. Compatible with AIX*, SCO*, Microsoft* Windows* 3.0 and AutoCAD* computer software.
-
- COMPANY:** National Design, Inc.
ADDRESS: 9171 Capital of Texas Highway
Suite 230
Austin, TX 78759
U.S.A.
PHONE: 1-512-343-5055
FAX: 1-512-343-5053
- ADAPTER NAME:** MC 1000
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 8120
BUS MASTER: NO
AVAILABLE: 4/92
DESCRIPTION: 16- or 32-bit adapter for the IBM* Micro Channel* architecture that supports up to 1K x 768 graphics resolution at 256 colors. Based on Texas Instruments TMS 34020 graphics processor, the MC 1000 outperforms the IBM XGA* chip sets up to 10 times faster.
-
- COMPANY:** Nih Graphics
ADDRESS: 1908 Kramer Lane
Suite A
Austin, TX 79758
U.S.A.
PHONE: 1-512-832-1944 / 1-800-624-7552
FAX: 1-512-832-5954
- ADAPTER NAME:** Nih Engine 230
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 812B
BUS MASTER: NO
AVAILABLE: 6/92
DESCRIPTION: Graphics adapter 8514 compatible. Resolution: 640 x 480, 1024 x 768, or 1280 x 1024 non-interlaced, or 1024 x 768 interlaced. Colors: 640 x 480 = 4-, 8-, 16- or 24-bit color; 1024 x 768 = 4-, 8- or 16-bit color; 1280 x 768 = 4- or 8-bit color.
-
- COMPANY:** Number Nine Computer Corp.
ADDRESS: 18 Hartwell Avenue
Lexington, MA 02173
U.S.A.
PHONE: 1-617-492-0999 / 1-800-438-6463
FAX: 1-617-864-9329
- ADAPTER NAME:** Number Nine Graphics Xccelerator (#9GX)
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - YES
POS ID: 8099
BUS MASTER: NO
AVAILABLE: 7/90
DESCRIPTION: The only graphics board to offer 5 (five) user-upgradeable levels of color, resolution and performance from 640 x 480 at 16 colors to 1280 x 1024 at 256 colors. The #9GX utilizes the TMS34010 processor and offers several emulation modes and 60MHz support for industry standard software.
-
- ADAPTER NAME:** Pepper Pro1024**
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 8099
BUS MASTER: NO
AVAILABLE: 5/89
DESCRIPTION: The Pepper Pro1024** high performance graphic board was the first to utilize the TI 34010 graphic processor running at 60MHz. The single board features 1024 x 768 non-interlaced resolution with 16 or 256 displayable colors out of a palette of 16.7M.
-
- COMPANY:** Omnicomp Graphics Corporation
ADDRESS: West Sam Houston Parkway North
Houston, TX 77043
U.S.A.
PHONE: 1-713-464-2990
FAX: 1-713-827-7540
- ADAPTER NAME:** OMNI 4/6000 GDC
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 8111
BUS MASTER: NO
AVAILABLE: 12/90
DESCRIPTION: High resolution (1600 x 1280) color graphics controller based on TMS34020/34082 processors. Features 2K x 2K frame buffer, 8 underlay planes, 4 overlay planes, hardware zoom/pan/cursor.

Part 2. IOV Adapters — Listings by Category

Graphics Interface (Continued)

COMPANY: Orchid Technology
ADDRESS: 45365 Northport Loop West
Fremont, CA 94538
U.S.A.
PHONE: 1-415-683-0300 / 1-800-767-2443
FAX: 1-415-490-9312

ADAPTER NAME: ProDesigner II/MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 8086
BUS MASTER: NO
AVAILABLE: 3/91
DESCRIPTION: The ProDesigner II/MC is a "beyond super VGA" graphics adapter for the Micro Channel[®] architecture, combining up to 1024 x 768 with 256 color resolutions and full VGA backward compatibility; at up to 10 times standard IBM VGA speeds.

COMPANY: Orsi Automazione S.p.A.
ADDRESS: Corso Europa 799
16148 Genova
ITALY
PHONE: 39-10-35621
FAX: 39-10-380309

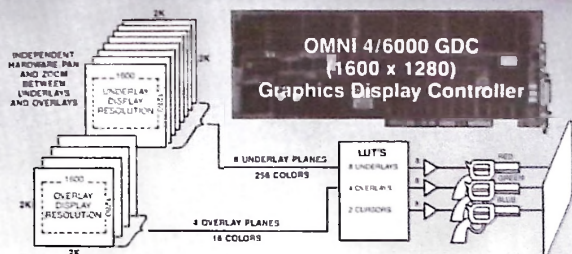
ADAPTER NAME: GRAF18/MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 805D
BUS MASTER: NO
AVAILABLE: 6/91
DESCRIPTION: HD63484-based graphic adapter for industrial application. Features 2MB video memory, hardware controlled cursor, 262,144 colors, dual-phase, blinking VGA-compatible monitor interface.

The World's First TMS 34020 Graphics Board Manufacturer offers the Systems Integrator The Best Price/Performance Solution on the Market

Key Features:

- Standard type 5 form factor used for IBM[®] RISC System/6000[™]
- Up to 2K x 2K frame buffer
- Up to 1600 x 1280 resolution double buffered
- TMS34020[™]-10 MIPS graphics processor
- Optional TMS34082[™]-40 MFLOPS floating-point coprocessor
- Up to eight underlay and four overlay planes
- Independent hardware panning and zooming of underlay and overlay planes
- Hardware zoom factors of 2, 4, 8, 16 and 32
- Hardware cursor
- 256 different colors simultaneously displayed from a palette of 16.7 million colors
- Selectable frame buffer width
- Up to 1 Mbyte of EPROM for on-board firmware
- Up to 4 Mbytes of DRAM for program execution and display list support
- Memory-mapped architecture
- Single board, single slot
- Surface mount technology
- Optional horizontal and vertical sync signal outputs

Omnicom is a Houston based and owned manufacturer of high performance graphics hardware for popular computer platforms including AT[®], VME, Micro Channel[®] bus-based computers, and others. 1734 West Sam Houston Pkwy. N. • Houston, Texas 77043 • 713/464-2990 • Fax 713/827-7540



- RS-170 or RS-343A video output standards
- Non-interlaced and interlaced video outputs supported
- Non-volatile static memory for configuration parameters
- Push-button switch for selecting software options such as reset, demo and diagnostics

Software Support:

- Omnicomp's extensive native graphics command set, OMNI[™]NKS, is available in firmware with extensions for imaging, radar, seismic, etc.
- AIX[®] operating system driver
- X Window System[™] support in firmware

- TIGA[™] support in firmware
- Libraries provided in "C"

Special Services:

- Custom firmware
- Contract programming, system engineering, and hardware design
- Product training
- Extended and lifetime warranties available
- Telephone support
- Application consulting

Omnicom[™] Graphics Corporation

... The Texas Graphics Company

IBM, RISC System/6000, AT and Micro Channel are trademarks of the IBM Corporation. All brand names and product names are trademarks or registered trademarks of their respective holders.

Part 2. IOV Adapters — Listings by Category

Graphics Interface (Continued)

COMPANY: Pixelworks, Incorporated
ADDRESS: Seven Park Avenue
Hudson, NH 03051
U.S.A.
PHONE: 1-603-880-1322 / 1-800-247-2476
FAX: 1-603-880-6558

ADAPTER NAME: Master Graphics CADcelerator
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 8115
BUS MASTER: YES
AVAILABLE: 8/90
DESCRIPTION: The CADcelerator is a graphics performance upgrade for the IBM® PS/2® computers. It provides "instant" graphics for CAD, while preserving the customer's investment by passing through VGA, 8514, XGA®, or Display Adapter II/III video to standard IBM monitors (8514, 8515, 5574) for DOS and OS/2® computer software. It switches into high-performance graphics mode for CAD, using the same monitor.

ADAPTER NAME: Merlin Programmable Graphics Controller
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 0064
BUS MASTER: NO
AVAILABLE: 8/91
DESCRIPTION: Merlin is a high-speed 1024 x 768 resolution, 256-color graphics board which is designed to allow advanced developers to program on-board functions. Based on TI's TMS 320C30, it fully supports the TI. C30 emulator and C debugger.

ADAPTER NAME: Ultra Clipper/AX™ Graphics
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 800D
BUS MASTER: YES
AVAILABLE: 11/89
DESCRIPTION: The Ultra Clipper/AX™ Graphics controller is a high-resolution graphics co-processor optimized to provide the highest performance graphics for specific CAD applications, such as AutoCAD™, 10 and 11 software. By implementing application-tailored functions in hardware and firmware, the Ultra Clipper/AX controller is the "top-of-the-line" for CAD performance.

ADAPTER NAME: Ultra Clipper™ Graphics
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 800D
BUS MASTER: YES
AVAILABLE: 1/89
DESCRIPTION: High performance, 1280 x 1024 or 1024 x 768 graphics co-processor. Provides "instant" redraws, pans, and zooms (through Display List Processing) for AutoCAD™, 10 and 11 and CV Personal Designer. Also supports MicroCADAM 3D, Plus, Cornerstone, CADKEY, Aldus Pagemaker, Ventura Publisher™ and many other applications. X Windows™ and C programming libraries also available for DOS, OS/2®, AIX®, XENIX™ and UNIX™ computer software. 2 Slots.

ADAPTER NAME: Ultra Clipper™ Rainbow
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 8174
BUS MASTER: YES
AVAILABLE: 3/91
DESCRIPTION: Single slot, high-performance 1280 x 1024 or 1024 x 768 graphics co-processor. Provides "instant" redraws, pans, and zooms (through use of Display List Processing) for AutoCAD™, 10 and 11 and CV Personal Designer software. Also supports MicroCADAM 3D, Plus, Cornerstone, CADKEY, Aldus Pagemaker, Ventura Publisher™ and many other applications. X Windows™ and C Programming Libraries for DOS, OS/2®, AIX®, XENIX™ and UNIX™ software.

COMPANY: Pultek Corp.
ADDRESS: 2-22-18 Kotsubo
Zushi-C Kanagawa
JAPAN 249
PHONE: 81-45-661-3550
FAX: 81-45-661-3551

ADAPTER NAME: High Resolution Graphic Board
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 8060
BUS MASTER: NO
AVAILABLE: 3/90
DESCRIPTION: Flame memory 2048 x 2048 x 8 bit or 2048 x 1024 x 4 bit; resolution 1280 x 1024 60Hz non-interlaced; local memory 2MB or 8MB; ROM 32-pin JEDEX x 2; graphic processor TMS 34010-60; bus interface 16 bit. Supports DMA.

Part 2. IOV Adapters — Listings by Category

Graphics Interface (Continued)

COMPANY: Rasterex (International) a.s.
ADDRESS: Gjerdrumsvei 10A
N-0485 Oslo 4
NORWAY
PHONE: 47-2-239-290
FAX: 47-2-394-111

ADAPTER NAME: LAZER MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 8053
BUS MASTER: NO
AVAILABLE: 6/91
DESCRIPTION: LAZER MC has resolution of 1024 x 768, 16 or 256 colours and 512KB DRAM. The board can easily be upgraded to 4MB DRAM. All RASTEREX software including Txlmage, Autolcon and Drawing Retrieval software can be run on the LAZER MC board. Supports Octopus accelerator chip which speeds up vector list processing.

ADAPTER NAME: Liberty MC Graphics Board
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 8052
BUS MASTER: NO
AVAILABLE: 2/90
DESCRIPTION: Liberty MC is a range of graphics boards with resolution/colors from 1024/16 to 1280/256. The board can have up to 8MB DRAM on board and can be fitted with the octopus accelerator chip which speeds up vector list processing.

ADAPTER NAME: Light MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 8053
BUS MASTER: NO
AVAILABLE: 3/91
DESCRIPTION: Light MC has resolution of 1024 x 768, 16 or 256 colours and 512KB DRAM. The board can easily be upgraded to 2.5MB DRAM. All Rasterex software including Rxlmage, Autolcon and Drawing Retrieval software can be run on the Light MC board.

COMPANY: REINSA
ADDRESS: c/ Valencia, 74 Bajos
Barcelona 08015
SPAIN
PHONE: 34-3-226-3125/6
FAX: 34-3-226-08-68

ADAPTER NAME: REINGRAPH GREEN for the IBM* Micro Channel* Architecture
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 7801
BUS MASTER: NO
AVAILABLE: 2/92
DESCRIPTION: High-performance ultra VGA. Flicker free 60-72 Hz vertical. High Colour. 32,000 colours at 800 x 600; 1024 x 768 - 256 colours interlaced, non-interlaced.

ADAPTER NAME: REINGRAPH RED for the IBM* Micro Channel* Architecture
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 7800
BUS MASTER: NO
AVAILABLE: 2/92
DESCRIPTION: High red graphics accelerator. Fully compatible with 8514/A, 8514 AI, SVGA, VGA, EGA, CGA, MDA, XGA* graphics. Interlaced, non-interlaced 1024 x 768 - 256 colours, 1280 x 1024 - 256 colours interlaced.

COMPANY: Sigma Designs, Inc.
ADDRESS: 47900 Bayside Parkway
Fremont, CA 94538
U.S.A.
PHONE: 1-510-770-0100 / 1-800-845-8086
FAX: 1-510-770-2640

ADAPTER NAME: L-View™ Display System
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 8048, 80AE
BUS MASTER: NO
AVAILABLE: 5/89
DESCRIPTION: An ultra high resolution monochrome display system that includes a graphics expansion adapter for the IBM* Micro Channel* bus that offers workstation level performance. The system features graphics resolution of 1664 x 1200, enhanced text resolutions of 132 x 43 and 180 x 43, plus compatibility with selected VGA modes. An ideal system for document imaging and desktop publishing. New feature: low VLF emission monitors.

Part 2. IOV Adapters — Listings by Category

Graphics Interface (Continued)

COMPANY: Sigma Designs, Inc.
ADDRESS: 47900 Bayside Parkway
Fremont, CA 94538
U.S.A.
PHONE: 1-510-770-0100 / 1-800-845-8086
FAX: 1-510-770-2640

ADAPTER NAME: PageView™ for IBM® PS/2® Computers with Micro Channel® Bus
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 80AC, 80AF
BUS MASTER: NO
AVAILABLE: 11/89
DESCRIPTION: A full page display system that includes an expansion adapter for the IBM® Micro Channel® bus. It features a 15 inch flat portrait screen and a high resolution of 768 x 1024. It also features enhanced text modes of 80 x 66 (letter) and 80 x 72 (A4) characters. A 74Hz refresh rate offers superb display quality. An ideal system for word processing. New feature: low VLF emission monitors as standard.

ADAPTER NAME: SilverView™ for IBM® PS/2® Computers with Micro Channel® Bus
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 80AD, 80C9
BUS MASTER: NO
AVAILABLE: 12/89
DESCRIPTION: Offers the only 21 inch display system that includes an expansion adapter for the Micro Channel® bus. The system features a resolution of 1152 x 870 on 16 inch x 12 inch active display area with 73Hz vertical refresh rate. An enhanced text mode of 132 x 66 characters is also featured. Ideal for publishing, design and general applications. New feature: VLF emission monitors as standard.

COMPANY: Skyvision Oy
ADDRESS: Tekniikantie 17
02150 Espoo
FINLAND
PHONE: 358-0-4375-318
FAX: 358-0-455-3117

ADAPTER NAME: VGA/NTSC-MC Video Conversion Card
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 8119
BUS MASTER: NO
AVAILABLE: 10/91
DESCRIPTION: Transfers PC Picture onto TV screen, video projector and video tape. Converts all VGA display modes automatically to TV (NTSC) video format. The outputs are RGB, composite video and S-VHS. The adapter is equipped with an anti-flicker filter.

ADAPTER NAME: VGA/PAL-MC Video Conversion Card
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 8118
BUS MASTER: NO
AVAILABLE: 10/91
DESCRIPTION: Transfers PC Picture onto TV screen, video projector and video tape. Converts all VGA display modes automatically to TV (PAL) video format. The outputs are RGB (also SCART / Euro-AV compatible), composite video and S-VHS. The adapter is equipped with an anti-flicker filter.

COMPANY: SPEA Software AG
ADDRESS: Moosstrasse 18
D-8130 Starnberg
FEDERAL REPUBLIC OF GERMANY
PHONE: 49-8151-2660
FAX: 49-8151-21258

ADAPTER NAME: SPEA Graphiti Flash 1-G2/HE
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 803B
BUS MASTER: NO
AVAILABLE: 9/88
DESCRIPTION: High-speed graphics adapter using the Hitachi ACRTC 63484 Graphics Processor; resolution 1280 x 1024; V-Frequency 60Hz to 80 Hz; H-Frequency 64kHz to 85kHz; colors 256/16 out of 16.7 million. Drivers available for AutoCAD™ 9.0, 10.0 and 11.0; PC-DRAFT; CADdy; p-CAD; GEM™; Microsoft™ Windows™ 286/386 3.0; IBM® Presentation Manager™; MicroStation 3.x, 4.0; Personal Designer/Drafter; and other software.

ADAPTER NAME: SPEA Graphiti Flash 1-GS/HE
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 803B
BUS MASTER: NO
AVAILABLE: 9/88
DESCRIPTION: High-speed graphics adapter using the Hitachi ACRTC 63484 Graphics Processor; resolution 1280 x 1024; V-Frequency 60Hz to 80 Hz; H-Frequency 64kHz to 85kHz; colors 16 out of 16.7 million. Drivers available for AutoCAD™ 9.0, 10.0 and 11.0; PC-DRAFT; CADdy; p-CAD; GEM™; Microsoft™ Windows™ 286/386 3.0; IBM® Presentation Manager™; MicroStation 3.x, 4.0; Personal Designer/Drafter; and other software.

Part 2. IOV Adapters — Listings by Category

Graphics Interface (Continued)

COMPANY: SPEA Software AG
ADDRESS: Moosstrasse 18
D-8130 Starnberg
FEDERAL REPUBLIC OF GERMANY
PHONE: 49-8151-2660
FAX: 49-8151-21258

ADAPTER NAME: SPEA Graphiti Flash 1-P
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 803B
BUS MASTER: NO
AVAILABLE: 9/88
DESCRIPTION: High-speed graphics adapter using the Hitachi ACRTC 63484 Graphics Processor; resolution 1024 x 780; V-Frequency 60Hz, H-Frequency 50kHz; colors 256/16 out of 16.7 million. Drivers available for AutoCAD™ 9.0, 10.0 and 11.0; PC-DRAFT, CADDy, p-CAD; GEM™; Microsoft™ Windows™ 286/386 3.0. IBM™ Presentation Manager™; MicroStation 3.x, 4.0; Personal Designer/Drafter; and other software.

ADAPTER NAME: SPEA Graphiti HiLite MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 803B
BUS MASTER: NO
AVAILABLE: 5/92
DESCRIPTION: Multi-media, high-speed colour graphics adaptor, using the TMS 34020 graphics processor. Video out (PAL/NTSC) possible. Resolution from 320 x 200 up to 1280 x 1024. True colour (32-bit per pixel) up to 800 x 600 resolution. VGA Loop Through on board. Direct drivers for Microsoft™ Windows™ 3.x, AutoCAD™, 3D-Studio software and more. Full TIGA support (including true colour). TMS 34082 Math Co-Processor optional.

COMPANY: STB Systems, Inc.
ADDRESS: 1651 North Glenville Road
Suite 210
Richardson, TX 75081
U.S.A.
PHONE: 1-214-234-8750 / 1-800-234-4334
FAX: 1-214-234-1306

ADAPTER NAME: MVP-2/MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 80FD
BUS MASTER: NO
AVAILABLE: 6/91
DESCRIPTION: Dual enhanced VGA adapter based on Tseng Labs ET4000 VGA logic. Supports virtual sessions of IBM™ OS/2™ with Presentation Manager™ and Microsoft™ Windows™ 3.0 software. For industrial, financial, CAD, airline applications. Up to 4 MVP-2/MC may reside in system.

ADAPTER NAME: Powergraph Ergo-VGA/MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 80FC
BUS MASTER: NO
AVAILABLE: 5/91
DESCRIPTION: Enhanced VGA adapter with 1MB capacity. Provides high refresh (up to 75Hz) output, 1024 x 768 x 256 color graphics and VESA compatible BIOS. Based on Tseng Labs ET4000.

COMPANY: Stone Microsystems (Australia) Pty Ltd
ADDRESS: 20-22 Fred Street
Lilyfield, N.S.W. 2040
AUSTRALIA
PHONE: 61-2-818-3211
FAX: 61-2-818-3070

ADAPTER NAME: Quad VGA for IBM™ Micro Channel™ Architecture
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 8175
BUS MASTER: NO
AVAILABLE: 1/92
DESCRIPTION: The Quad VGA adaptor contains 4 independent super VGA display controllers on one card. This allows an IBM™ PS/2™ computer to drive up to 5 monitors for true multi-tasking and is compatible with DOS and Microsoft™ Windows™ software. Up to 4 Quad VGA adaptors may be installed in a single PS/2 computer.

COMPANY: TeleSensory
ADDRESS: 455 North Bernardo Avenue
P.O. Box 7455
Mountain View, CA 94039-7455
U.S.A.
PHONE: 1-415-960-0920 / 1-800-227-8418
FAX: 1-415-969-9064

ADAPTER NAME: DP-11 PLUS M
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 80A3
BUS MASTER: NO
AVAILABLE: 9/89
DESCRIPTION: Computer access system for low-vision users. Generates magnified text on CCTV screen. Operates in real-time, adds 2x-16x large print smooth fonts to any text-mode program. Has several reading modes including scrolling. Fully compatible with monochrome attributes. Keypad controlled.

Part 2. IOV Adapters — Listings by Category

Graphics Interface (Continued)

COMPANY: TeleSensory
ADDRESS: 455 North Bernardo Avenue
P.O. Box 7455
Mountain View, CA 94039-7455
U.S.A.
PHONE: 1-415-960-0920 / 1-800-227-8418
FAX: 1-415-969-9064

ADAPTER NAME: Vista™/2
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 8081
BUS MASTER: NO
AVAILABLE: 9/88
DESCRIPTION: Computer access system for low-vision users. Generates magnified pictures on PS/2* computer screen. Operates in real-time, adds 2x - 16x HW-zoom to any existing program. Has several reading modes including scrolling. Fully compatible with all VGA modes and colors. Mouse controlled.

COMPANY: Truevision
ADDRESS: 7340 Shadeland Station
Indianapolis, IN 46256
U.S.A.
PHONE: 1-317-841-0332 / 1-800-344-8783
FAX: 1-317-576-7700

ADAPTER NAME: TARGA+ for the IBM* Micro Channel* Architecture
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 8085
BUS MASTER: NO
AVAILABLE: 1/91
DESCRIPTION: TARGA+ brings professional quality video capabilities to IBM PS/2* computers with Micro Channel* architecture. Offering full NTSC and PAL support in a variety of color and spatial resolutions, it offers digital linear keying and chromakeying as well as image capture. It maintains a frame buffer capable of displaying up to 16.7 million colors. A Windows™ 3.0 driver ships with each board. It is fully compatible with current TARGA+ software.

COMPANY: Univision Technologies, Inc.
ADDRESS: Three Burlington Woods
Burlington, MA 01803
U.S.A.
PHONE: 1-617-221-6700
FAX: 1-617-221-6777

ADAPTER NAME: UDC-8000-TI
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 0117
BUS MASTER: YES
AVAILABLE: 6/90
DESCRIPTION: Graphics controller for IBM* RISC System/6000* POWERstations and POWERservers based on TMS34020 (TMS34082 floating point processor optional); 40 Mflops and 200,000 vectors/second performance; images up to 1600 x 1280 x 8 bits, single or double buffered. Optional VSB bus and digital camera interfaces are available.

COMPANY: Vennek Corporation
ADDRESS: 31336 Via Colinas
Suite 102
Westlake Village, CA 91362
U.S.A.
PHONE: 1-818-991-3868
FAX: 1-818-991-4097

ADAPTER NAME: PS 2000**
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 810F
BUS MASTER: NO
AVAILABLE: 5/88
DESCRIPTION: Ultra-resolution 20 inch monochrome monitor and controller to display 1280 x 1024 and 1280 x 960 pixels. 100% compatibility with all VGA modes. Ultra-resolution mode drivers provided for Windows™, GEM™, Ventura Publisher™, AutoCAD™ and other software.

COMPANY: Vermont Microsystems, Inc.
ADDRESS: 11 Tigan Street
Winooski, VT 05404
U.S.A.
PHONE: 1-802-655-2860 / 1-800-354-0055
FAX: 1-802-655-9058

ADAPTER NAME: Cobra/2**
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 8009
BUS MASTER: NO
AVAILABLE: 8/88
DESCRIPTION: An attractively priced high resolution color graphics processor for IBM* PS/2* computers. It supports 1024 x 768 resolution and 256 colors from a 16.7 palette. Supports AutoCAD™, C.V., VersaCAD, MicroStation, Anvil, Windows™ and over 100 other software packages. Cables and manuals included.

ADAPTER NAME: Cobra Elite/MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 8009
BUS MASTER: NO
AVAILABLE: 5/91
DESCRIPTION: A 1024 x 768 graphics controller for IBM* PS/2* computers. Supports CAD, Windows™ and True Color software. Software, manuals and cables included.

univision

Hi-Res Treasures for IBM® RISC System/6000™



Meet the Newest Member of the Piranha Family of High Performance Display Controllers!

THE UDC8000-TI: DESIGNED FOR DEMANDING HIGH PERFORMANCE OEM AND SYSTEM INTEGRATION REQUIREMENTS

- Supports IBM RISC System/6000, PS/2® Model 90 and Model 95 Computers
- IBM Micro Channel® architecture form factor (Type 5 card)
- High performance TMS34020 and optional TMS34082 co-processor
- KODAK MEGAPLUS Digital Camera Interface (optional)
- DATACUBE MAXVIDEO Interface (optional)
- Resolutions from 1024 x 1024 up to 1600 x 1280, single or double buffered
- Optional Motorola VSB auxiliary bus for high speed transfers at up to 20 Mbytes/sec
- Full AIX, X-11 and TIGA software compatibility

(617) 221-6700

... the vision of the future

univision
technologies, inc.

Three Burlington Woods, Burlington, MA 01803 FAX (617) 221-6777

All products and brand names are trademarks of their respective owners.
IBM, RISC System/6000, PS/2 and Micro Channel are trademarks of the IBM Corporation.

Part 2. IOV Adapters — Listings by Category

Graphics Interface (Continued)

COMPANY: Vermont Microsystems, Inc. ADDRESS: 11 Tigan Street Winooski, VT 05404 U.S.A. PHONE: 1-802-655-2860 / 1-800-354-0055 FAX: 1-802-655-9058	ADAPTER NAME: Page Manager/2 Series 12 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 8007 BUS MASTER: NO AVAILABLE: 6/89 DESCRIPTION: The PageManager/2 Series 12 graphics controller features 1280 x 960 non-interlaced resolution and includes a high-resolution, 19 inch paper-white monochrome monitor and cable. Drivers are included for Ventura Publisher™, GEM™, Windows™, WordPerfect™ and AutoCAD™ software. Features full-page solution for IBM® Interleaf™ Publisher.
COMPANY: Western Digital Corporation ADDRESS: 8105 Irvine Center Drive Irvine, CA 92718 U.S.A. PHONE: 1-714-932-5000 FAX: 1-714-932-6498	ADAPTER NAME: Paradise 8514/A Plus™ SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 8044 BUS MASTER: NO AVAILABLE: 3/90 DESCRIPTION: High performance 8514/A compatible (register and AI) display adapter. Supports 60/70Hz refresh rates and interfaced and non-interlaced resolutions up to 1024 x 768 with 256 colors (with memory option). Includes drivers for Microsoft™ Windows™, AutoCAD™ software and others.

Image Capture

COMPANY: Dighurst Ltd. ADDRESS: Newark Close Royston, Herts SG8 5HL UNITED KINGDOM PHONE: 44-(0)763-242-955 FAX: 44-(0)763-246-313	ADAPTER NAME: Microeye IC Video Digitiser SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 8010 BUS MASTER: NO AVAILABLE: 3/90 DESCRIPTION: Captures colour TV images. Resolution up to 640 pixels by 574 lines. 8-bits per pixel of red, green and blue. Software for display on computer plus image processing and analysis. For PS/2™ Model 50 and 60 computers.
COMPANY: Electrim Corporation ADDRESS: P.O. Box 2074 Princeton, NJ 08543 U.S.A. PHONE: 1-609-799-7248 FAX: 1-609-683-5882	ADAPTER NAME: EDC-1000M SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6275 BUS MASTER: NO AVAILABLE: 3/92 DESCRIPTION: The Electrim EDC-1000M is a compact, digitally controlled monochrome computer camera that is an alternative to a standard TV camera attached to a frame-grabber, resulting in a very cost effective way to put image data into a computer.
COMPANY: EM-Geraetebau GmbH ADDRESS: Carl-Reiss-Platz 7 - 9 6800 Mannheim 1 FEDERAL REPUBLIC OF GERMANY PHONE: 49-0621-4108-0 FAX: 49-0621-4108-135	ADAPTER NAME: 5865 for CEP-MC SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 5865 BUS MASTER: NO AVAILABLE: 2/91 DESCRIPTION: Adapter card to compress and expand images recorded in group 3, group 4 FAX standards. Supplied with driver for image applications under OS/2™ computer software.
COMPANY: Ing. Helmut Mayerhofer Electronic ADDRESS: Jedlersdorfer Strasse 276 A-1210 Vienna AUSTRIA PHONE: 43-1-390-11-52-73 FAX: 43-1-390-11-52-74	ADAPTER NAME: SORAC™ VideoCapture S0-212 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 8117 BUS MASTER: NO AVAILABLE: 12/91 DESCRIPTION: Provides the capability to capture in real time, display, manipulate and store high resolution black and white video images. Resolution up to 768 x 625, 8-bit (256 shades of gray) for any standard NTSC, CCIR (PAL), SECAM or S-VHS source. File format: TIFF, IFF-LBM, GIF, PCX, BMP and TGA. Supports DOS and Windows™ software. Drivers and utilities available.

Part 2. IOV Adapters — Listings by Category

Image Capture (Continued)

COMPANY: Ing. Helmut Mayerhofer Electronic
ADDRESS: Jedlersdorfer Strasse 276
A-1210 Vienna
AUSTRIA
PHONE: 43-1-390-11-52-73
FAX: 43-1-390-11-52-74

ADAPTER NAME: SORAC™ VideoCapture SO-550
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 812A
BUS MASTER: NO
AVAILABLE: 8/92
DESCRIPTION: Provides the capability to capture in real time, display, manipulate and store high resolution color video images. Resolution up to 768 x 625, 24-bit (16.7 million colors) for any standard NTSC, CCIR (PAL), SECAM or S-VHS source. File format: TIF, IFF/LBM, GIF, BMP and TGA. Supports DOS and Windows™ software. Drivers and utilities available.

COMPANY: Jovian Logic Corporation
ADDRESS: 47929 Fremont Boulevard
Fremont, CA 94538
U.S.A.
PHONE: 1-510-651-4823
FAX: 1-510-651-1343

ADAPTER NAME: SYLVIA™
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6C7E
BUS MASTER: NO
AVAILABLE: 1/89
DESCRIPTION: A high resolution (640 x 480 - 256 colors) non-real time Video Input Adapter for PC, PC XT™, PC AT™, and PS/2™ computers. The video input may be monochrome, RGB color, or composite color. Either U.S. or European standard video signals may be used. The SYLVIA™ adapter has a 16-bit interface, but can also be used in 8-bit.

ADAPTER NAME: VIA™
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6CED
BUS MASTER: NO
AVAILABLE: 4/88
DESCRIPTION: The first Color Video Input Adapter for VGA displays. Captures images in real time, resolution 320 x 240 - 256 colors. Software utilities allow user to save digitized images in various file formats such as GIF, TIF, PCX, CUT, TGA, IMG and PIC.

COMPANY: Kofax Image Products
ADDRESS: Three Jenner Street
Irvine, CA 92718
U.S.A.
PHONE: 1-714-727-1733
FAX: 1-714-727-3144

ADAPTER NAME: KF-9250 High Performance Document Processor
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 7055
BUS MASTER: NO
AVAILABLE: 7/91
DESCRIPTION: The KF-9250 Document Processor provides a full range of high performance document image processing capabilities for PS/2™ computers with the IBM™ Micro Channel™ architecture. Features provided include direct scanner and printer interfaces, plus high speed retrieval, with compression, decompression, scaling and rotation of document images.

COMPANY: Optivision, Inc.
ADDRESS: 1477 Drew Avenue
Suite 102
Davis, CA 95616
U.S.A.
PHONE: 1-916-757-4850 / 1-800-562-8934
FAX: 1-916-756-1309

ADAPTER NAME: OPTIPAC™ Series 250 for IBM™ Micro Channel™ Architecture
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6CFD
BUS MASTER: NO
AVAILABLE: 1/91
DESCRIPTION: JPEG and CCITT Group III/IV hardware and software for high performance lossless and controlled quality compression of multiple resolution binary, gray-scale and color bit mapped images. Saves transmission time and storage space. Compresses full screen color images in less than 1 second.

COMPANY: Plexus Software, Inc.
ADDRESS: 5200 Great America Parkway
Suite 200
Santa Clara, CA 95054
U.S.A.
PHONE: 1-408-982-4800 / 1-800-999-5910
FAX: 1-408-727-4864

ADAPTER NAME: Advanced Image Processor 2 for IBM™ Micro Channel™ Architecture
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 62F0
BUS MASTER: NO
AVAILABLE: 1/91
DESCRIPTION: The Advanced Image Processor 2 board is a Micro Channel™ bus adapter added to a Plexus XDP™ imaging workstation to provide hardware-based image handling and peripheral control. Plexus XDP is a development platform for high performance data processing applications incorporating document images and other unstructured data.

Part 2. IOV Adapters — Listings by Category

Image Capture (Continued)

COMPANY: Spicer Corporation ADDRESS: 221 McIntyre Drive Kitchener, Ontario N2R 1G1 CANADA PHONE: 1-519-748-2462 FAX: 1-519-748-9457	ADAPTER NAME: MP3140 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 50D0 BUS MASTER: NO AVAILABLE: 8/90 DESCRIPTION: Raster data processing engine (scanned image capture, raster data compression/decompression, group IV data expansion, output image to various output devices). MP3140 works in conjunction with Spicer scanning, raster manipulating (view, markup, edit) and plotting software.
COMPANY: Telephoto Communications, Inc. ADDRESS: 11722 Sorrento Valley Road Suite D San Diego, CA 92121-1084 U.S.A. PHONE: 1-619-452-0903 FAX: 1-619-792-0075	ADAPTER NAME: ALICE JPEG Image Compression SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 5FD6 BUS MASTER: NO AVAILABLE: 3/92 DESCRIPTION: ALICE JPEG Image Compression is a premium performance line of products for compressing and decompressing full color or gray-scale continuous tone images. Full screen images can be processed by the Series H365 accelerator in less than one second.
COMPANY: Ventek Corporation ADDRESS: 31336 Via Colinas Suite 102 Westlake Village, CA 91362 U.S.A. PHONE: 1-818-991-3868 FAX: 1-818-991-4097	ADAPTER NAME: VIP 640M/PS SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6D80 BUS MASTER: NO AVAILABLE: 10/90 DESCRIPTION: High performance, low cost video digitizer captures 640 x 480, 256 gray level images in 1/3 second. Features live video display on VGA screen. Accepts black and white or color NTSC video input. Includes sophisticated image editing software, and saves images in TIFF format.
COMPANY: Xionics Inc. ADDRESS: Two Corporation Way Peabody, MA 01960 U.S.A. PHONE: 1-508-531-8666 FAX: 1-508-531-8669	ADAPTER NAME: Lightning/Plus Image Accelerator SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6256 BUS MASTER: NO AVAILABLE: 1/92 DESCRIPTION: Document image controller allows scanning, printing, compression / decompression and display of bitmapped images on a PS/2* computer under DOS, Windows™, OS/2* or UNIX™ computer software. Driven by ImageSoft image application development software or PowerTools Windows Application Programming Toolset.
	ADAPTER NAME: Lightning/Prime Image Accelerator SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6256 BUS MASTER: NO AVAILABLE: 9/91 DESCRIPTION: Document image controller allows decompression and display, as well as providing compression and scan support under DOS, Windows™, OS/2* and UNIX™ computer software. Driven by imageSoft image application development software or PowerTools Windows Application Programming Toolset.
	ADAPTER NAME: Mark II Image Accelerator SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6B2C BUS MASTER: NO AVAILABLE: 6/89 DESCRIPTION: Document image controller allows scanning, printing, compression / decompression and display of bitmapped images on a PS/2* computer under DOS, Windows™, OS/2* or UNIX™ computer software. Driven by ImageSoft image application development software or PowerTools Windows Application Programming Toolset.

Part 2. IOV Adapters — Listings by Category

Image Capture (Continued)

COMPANY: Xionics Inc.
ADDRESS: Two Corporation Way
Peabody, MA 01960
U.S.A.
PHONE: 1-508-531-6666
FAX: 1-508-531-6669

ADAPTER NAME: Turbo Image Accelerator
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6B2C
BUS MASTER: NO
AVAILABLE: 9/90
DESCRIPTION: Document image controller card allows scanning, printing, compression / decompression, display and manipulation of bitmapped images on a PS/2* computer under DOS, Windows*, OS/2* or UNIX computer software. Board driven by Xionics' ImageSoft imaging application development software platform or PowerTools Windows Application Programming Toolset.

Light Pen Attachment

COMPANY: FTG Data Systems
ADDRESS: 8381 Katella Avenue, Suite J
P.O. Box 615
Stanton, CA 90680
U.S.A.
PHONE: 1-714-995-3900 / 1-800-962-3900
FAX: 1-714-995-3989

ADAPTER NAME: PXL-480
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 7FBE
BUS MASTER: NO
AVAILABLE: 11/88
DESCRIPTION: Light pen interface board for any PS/2* computer with Micro Channel* bus. Provides very high performance, pixel-level resolution and compatibility with 3278/79 emulation products. Supports Windows** 3.0 and OS/2* computer software. Also compatible with IBM* Personal System/2* Display Adapter 8514/A. Software includes drivers for many popular PC applications.

COMPANY: Warp Speed Light Pens, Inc.
ADDRESS: 1086 Mechem Drive
Ruidoso, NM 88345
U.S.A.
PHONE: 1-505-258-5713 / 1-800-874-4315
FAX: 1-505-258-5744

ADAPTER NAME: Phaser Two Model 50 +
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6C7C
BUS MASTER: NO
AVAILABLE: 10/88
DESCRIPTION: An adapter for light pen support on all PS/2* computers with the Micro Channel* bus. It allows light pen control and access for 3278/79 terminal emulation, micro to mainframe links and general PC type applications such as Lotus** 1-2-3**, Ashton-Tate** dBase** applications and others. Product updated 1/92 for use with OS/2* 2.0 computer software by adding 2-button light pen capability.

Math Co-Processor

COMPANY: Communication Automation & Control
ADDRESS: 1642 Union Boulevard
Suite 200
Allentown, PA 18103
U.S.A.
PHONE: 1-215-776-6669 / 1-800-367-6735
FAX: 1-215-770-1232

ADAPTER NAME: SC5-C0
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5034
BUS MASTER: NO
AVAILABLE: 1/91
DESCRIPTION: Single precision floating point AT&T DSP32C co-processor rated at 25 MFLOPS. On-board zero wait state 256KB static RAM. Upgradeable to 1MB. Optional analog interface plug-in modules for voice or pro-audio (50kHz). Microsoft** DOS software support.

COMPANY: MicroWay, Inc.
ADDRESS: P.O. Box 79
Kingston, MA 02364
U.S.A.
PHONE: 1-508-746-7341
FAX: 1-508-746-4678

ADAPTER NAME: mW3167-PS**
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 62E8
BUS MASTER: NO
AVAILABLE: 5/89
DESCRIPTION: Designed and manufactured specifically for the Micro Channel* bus, this board provides IBM* PS/2* Model 70 and 80 computers with the high speed Weitek** numeric co-processor option. Can be configured with a 20, 25, or 33 MHz 3167. Plugs into the 32-bit bus connector. Can be used with an Intel** 80387 inserted in the 80387 co-processor socket on the motherboard. The 3167 provides floating point computation speed 3-5 times that of an 80387.

Part 2. IOV Adapters — Listings by Category

Memory: 16-Bit

COMPANY: Acculogic Inc.
ADDRESS: 13715 Alton Parkway
Irvine, CA 92718
U.S.A.

PHONE: 1-714-454-2441 / 1-800-234-7811
FAX: 1-714-454-8527

ADAPTER NAME: SIMMply-RAM 16-bit for the IBM* PS/2* Computers
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 7E7F
BUS MASTER: NO
AVAILABLE: 9/89

DESCRIPTION: IBM-compatible SIMM-based memory board. Provides extended and/or expanded memory to the IBM* PS/2* Model 50, 50Z, 55 SX, 57, 60, and 65 computers. Included is a LIM 4.0 memory manager, print spooler, disk cache, and RAM disk.

COMPANY: Advanced Microcomputer Systems, Inc.
ADDRESS: 1321 NW 65th Place
Fort Lauderdale, FL 33309
U.S.A.
PHONE: 1-305-975-9515 / 1-800-972-3733
FAX: 1-305-975-9698

ADAPTER NAME: MEGAMEM
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 757E
BUS MASTER: NO
AVAILABLE: 12/87

DESCRIPTION: Memory expansion option card. Has the capability of providing an additional 2MB or 8MB of memory for your system.

ADAPTER NAME: MEGAMEM 8000
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 74DF
BUS MASTER: NO
AVAILABLE: 8/88

DESCRIPTION: A 16-bit memory card with 512KB to 8MB maximum capacity.

ADAPTER NAME: MEM 1632 SP
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 7878
BUS MASTER: NO
AVAILABLE: 11/90

DESCRIPTION: 16MB memory expansion card with 2 serial ports and 1 parallel port. Compatible with 16-bit bus and 32-bit bus.

MODEM AND FAX/MODEM PRODUCTS

HIGH PERFORMANCE AT AN AFFORDABLE PRICE

Stand Alone

**Micro Channel® Bus Compatible
PC XT™ and AT® Bus Compatible**

**9600 BPS MODEM (V.32/V.32bis) with MNP1-MNP5 & V.42/V.42bis • 9600 BAUD GROUP III Send/Rec FAX
2400 BPS MODEM with MNP1-MNP5, MNP10 & V.42/V.42bis • 9600 BAUD GROUP III Send/Rec FAX**

9600 BPS Send/Rec Group III FAX Capability

V.32/V.32bis 9600/7200/4800 BPS Data Modem
V.42 Error Detection and Correction
V.42bis Data Compression • V.22bis 2400/1200 BPS
MNP1 through MNP5 Error Correction and Compression
Bell 103/212 A 1200/300 BPS • V.21 300 BPS
Synchronous/Asynchronous Operation
Two-wire Full-Duplex Operation • Call Progress Detection
Full Hayes AT & Extended Command Set Compatibility
Auto Answer • Auto Baud Detection

2400 BPS Send/Rec Group III FAX Capability

Class 1 & Class 2 FAX Software Compatibility
FREE FAX Software • Dial Directory • Fax Log
Call Progress Detection • Background Receive
Full Hayes AT & Extended Command Set Compatibility
Graphic and Text File Support
Delayed and Broadcast Transmission Capability
TIFF, ASCII and PCX Conversion
IBM, EPSON and Compatible Dot Matrix Printer Support
HP, Canon and Compatible Laser Printer Support

Four Models Available

Stand Alone • ISA Bus Compatible • Micro Channel Bus Compatible • Pocket Modem



ADVANCED MICROCOMPUTER SYSTEMS

1321 N.W. 65th Place • Fort Lauderdale, Florida 33309

Phone: (305) 975-9515 • Fax: (305) 975-9698

CALL TOLL FREE 1-800-972-3733

YOUR MODEM MANUFACTURER OF THE 90'S



Micro Channel, XT and AT are trademarks of the IBM Corporation • All other trademarks are property of their respective owners.

Part 2. IOV Adapters — Listings by Category

Memory: 16-Bit (Continued)

- COMPANY:** Advanced Microcomputer Systems, Inc.
ADDRESS: 1321 NW 65th Place
Fort Lauderdale, FL 33309
U.S.A.
PHONE: 1-305-975-9515 / 1-800-972-3733
FAX: 1-305-975-9698
- ADAPTER NAME:** Memory 32
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 757F
BUS MASTER: NO
AVAILABLE: 8/88
DESCRIPTION: Expanded/extended memory for the PS/2* Model 80 computers. LIM 4.0 compatible. Comes with Expanded Memory Manager and up to 8MB.
-
- COMPANY:** Boca Research, Inc.
ADDRESS: 6413 Congress Avenue
Boca Raton, FL 33487
U.S.A.
PHONE: 1-407-997-6227
FAX: 1-407-997-0918
- ADAPTER NAME:** BOCARAM/2 PLUS**
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 7A7A
BUS MASTER: NO
AVAILABLE: 5/91
DESCRIPTION: 8MB extended memory board for use with IBM* PS/2* Model 50, 50Z, 55 SX, 60, 65, 70, 80 and 90 computers. Board operates at zero wait states.
-
- COMPANY:** B.V. Neways R&D
ADDRESS: Dulvendijk 1
5672 AD Nuenen
THE NETHERLANDS
PHONE: 31-40-83-83-05
FAX: 31-40-83-68-05
- ADAPTER NAME:** M6210 0-8MB Memory Extension Board
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 581F
BUS MASTER: NO
AVAILABLE: 7/89
DESCRIPTION: Extended memory with expanded memory (LIM 4.0) support. Supports OS/2* and DOS computer software. Uses mix of 1MB and 256KB SIMM. Shipped with 2MB installed.
-
- COMPANY:** Capital Equipment Corp.
ADDRESS: 76 Blanchard Road
Burlington, MA 01803
U.S.A.
PHONE: 1-617-273-1818 / 1-800-234-4232
FAX: 1-617-273-9057
- ADAPTER NAME:** OS/RAM4**
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 7CEC
BUS MASTER: NO
AVAILABLE: 7/88
DESCRIPTION: Provides up to 4MB of extended or expanded memory. Installs easily using automatic, switchless configuration and may be used with DOS, OS/2* computer software and other operating systems. Memory can be partitioned in 512KB increments between extended and expanded memory.
-
- ADAPTER NAME:** OS/RAMB**
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 7CED
BUS MASTER: NO
AVAILABLE: 1/89
DESCRIPTION: Provides up to 8MB of extended or expanded memory plus two serial ports. Installs easily using automatic, switchless configuration and may be used with DOS, OS/2* computer software and other operating systems. Memory can be partitioned in 512KB increments between extended and expanded memory.
-
- COMPANY:** Computer Elektronik Infosof of America, Inc. (CEI)
ADDRESS: 512-A Herndon Parkway
Herndon, VA 22070
U.S.A.
PHONE: 1-703-435-3800 / 1-800-322-3464
FAX: 1-703-435-5129
- ADAPTER NAME:** MICROFOUR
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 7321
BUS MASTER: NO
AVAILABLE: 5/88
DESCRIPTION: A 4MB extended memory board. Uses less expensive 1-MBit DIP DRAMS. Upgradeable in 2MB increments.
-
- ADAPTER NAME:** SUPER MICROFOUR
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 7322
BUS MASTER: NO
AVAILABLE: 2/89
DESCRIPTION: A board providing up to 4MB of memory configurable in 128KB steps in any combination of LIM/EMS 4.0 expanded memory or extended memory. Supports 64 mapping registers. Provides expanded memory under OS/2* computer software. Uses 1-MBit DIP DRAMS. Upgradeable in 2MB steps.

Part 2. IOV Adapters — Listings by Category

Memory: 16-Bit (Continued)

COMPANY: DFI Inc. ADDRESS: 135 Main Avenue Sacramento, CA 95838 U.S.A. PHONE: 1-916-568-1234 FAX: 1-916-568-1233	ADAPTER NAME: DFI™ RAMBANK-II™ SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 77DF BUS MASTER: NO AVAILABLE: 2/88 DESCRIPTION: 4MB extended memory using 1Mx1 DRAM chips. Usable with DOS, OS/2™, Novell™, XENIX™, Pick and other computer software. EMS memory using optional emulation software. Switchless, jumperless installation; easy setup is done through software.
COMPANY: Kingston Technology Corp. ADDRESS: 17600 Newhope Street Fountain Valley, CA 92708 U.S.A. PHONE: 1-714-435-2600 FAX: 1-714-435-2699	ADAPTER NAME: KTM-609/16 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 70D4 BUS MASTER: NO AVAILABLE: 9/90 DESCRIPTION: KTM-609/16 is a 16-bit memory board. It can be used to install up to 16MB of memory on an IBM® PS/2® Model 50 and 60 computer in 1MB, 2MB or 4MB increments with 1MB, 2MB or 4MB SIMMs. Extended or expanded (hardware built-in) can be mixed. NSTL Certified.
COMPANY: Lava Computer Mfg Inc. ADDRESS: 28A Dansk Court Rexdale, Ontario M9W 5V8 CANADA PHONE: 1-416-674-5942 FAX: 1-416-674-8262	ADAPTER NAME: 8meg/A SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6184 BUS MASTER: NO AVAILABLE: 5/91 DESCRIPTION: 16-bit memory expansion board. Provides 2 or 4MB of extended memory.
COMPANY: Peripherals Enterprise Co., Ltd. ADDRESS: 3F, No. 10, Alley 6, Lane 45 Pao Shin Road, Hsin Tien City Taipei TAIWAN, R.O.C. PHONE: 886-2-917-7322 FAX: 886-2-915-4672	ADAPTER NAME: 4MB Memory Expansion Card SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 705F BUS MASTER: NO AVAILABLE: 10/88 DESCRIPTION: High quality 0-4MB memory board. Provides 512KB, 1MB, 2MB, 2.5MB and 4MB memory. Both 256KB and 1MB DRAM chip can be used. Fully socketed memory with parity check.
COMPANY: Stallion Technologies Pty Ltd ADDRESS: 56 Sylvan Road Toowong, Queensland 4066 AUSTRALIA PHONE: 61-7-870-4999 FAX: 61-7-371-8881	ADAPTER NAME: Jumbuck SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 7028 BUS MASTER: NO AVAILABLE: 6/88 DESCRIPTION: Fast zero wait state memory with additional serial ports. Available as a 1 or 2MB card with one extra serial port or a 2 or 4MB card with two extra serial ports. For PS/2® Model 50 and 60 computers.
COMPANY: Tecmar ADDRESS: 6225 Cochran Road Solon, OH 44139-3377 U.S.A. PHONE: 1-216-349-1009 / 1-800-624-8560 FAX: 1-216-349-0851	ADAPTER NAME: MicroRAM AD™ SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 7011 BUS MASTER: NO AVAILABLE: 11/88 DESCRIPTION: A memory multifunction board with up to 32MB of expanded/extended memory for the IBM® PS/2® computers. EMS 4.0 hardware support. Zero wait state performance compatible with DOS, OS/2®, UNIX™, XENIX™ and Novell™ computer software. Optional serial and parallel ports. Takes one Micro Channel® bus slot.
COMPANY: Xtend Micro Products, Inc. ADDRESS: 15215 Alton Parkway Suite 300 Irvine, CA 92718 U.S.A. PHONE: 1-714-753-0220 / 1-800-232-9836 FAX: 1-714-753-0340	ADAPTER NAME: MC-16 Memory Expansion Board SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 70D8 BUS MASTER: NO AVAILABLE: 8/91 DESCRIPTION: The MC-16 memory expansion board provides up to 16MB of 16-bit memory for the IBM® PS/2® Model 50, 50Z, 55 SX, 60 and 65 SX computers. Boards can be populated with industry standard 1MB, 2MB and 4MB 72-pin modules as well as IBM original modules. Extended or expanded (hardware built in) can be mixed. NSTL Certified.

Part 2. IOV Adapters — Listings by Category

Memory: 32-Bit

COMPANY: Acculogic Inc.
ADDRESS: 13715 Alton Parkway
Irvine, CA 92718
U.S.A.
PHONE: 1-714-454-2441 / 1-800-234-7811
FAX: 1-714-454-8527

ADAPTER NAME: SIMMply-RAM 32-bit for the IBM* PS/2* Computers
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 7EC0
BUS MASTER: NO
AVAILABLE: 12/90
DESCRIPTION: 32MB 32-bit expansion board for 32-bit PS/2* Model 70, 80 and 90 computers. Software included: LIM 4.0 driver, load high utility, disk cache, RAM disk and print spooler.

COMPANY: Advanced Microcomputer Systems, Inc.
ADDRESS: 1321 NW 65th Place
Fort Lauderdale, FL 33309
U.S.A.
PHONE: 1-305-975-9515 / 1-800-972-3722
FAX: 1-305-975-9698

ADAPTER NAME: ECC MEM 32
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 7101
BUS MASTER: NO
AVAILABLE: 2/91
DESCRIPTION: 32MB memory with error correction and data streaming.

ADAPTER NAME: Memory 32 DI
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 7878
BUS MASTER: NO
AVAILABLE: 1/91
DESCRIPTION: 12MB memory expansion card with 1 serial port and 1 parallel port. Accepts 72-pin SIMM modules.

COMPANY: Capital Equipment Corp.
ADDRESS: 76 Blanchard Road
Burlington, MA 01803
U.S.A.
PHONE: 1-617-273-1818 / 1-800-234-4232
FAX: 1-617-273-9057

ADAPTER NAME: OS/RAM32**
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 7CEE
BUS MASTER: NO
AVAILABLE: 7/89
DESCRIPTION: A 16/32-bit, 8 MB, extended and expanded memory card. The unique design automatically adapts to either 32-bit or 16-bit Micro Channel* bus computers. Installs easily using automatic, switchless configuration and may be used with DOS, OS/2* computer software and other operating systems.

ADAPTER NAME: OS/RAM32** plus
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 7CEF
BUS MASTER: NO
AVAILABLE: 6/91
DESCRIPTION: A 16/32-bit memory card providing from 2 to 128MB of extended and expanded memory. Works in all personal computers with Micro Channel* bus and supports the fastest transfer rates. Installs easily using automatic, switchless configuration and may be used with DOS, OS/2* computer software and other operating systems.

COMPANY: formac Elektronikproduktions GmbH
ADDRESS: Charlottenstrasse 13
1000 Berlin 61
FEDERAL REPUBLIC OF GERMANY
PHONE: 49-(0)30-251-0401
FAX: 49-(0)30-251-0404

ADAPTER NAME: IB-232-MC32-Ultimate RAM System
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 7826
BUS MASTER: NO
AVAILABLE: 6/91
DESCRIPTION: 0-32MB zero wait state expanded / extended RAM. Offers optional 32-bit data streaming for transfer rates to 40MB/second. Installed with 1-4 modules 72-pin SIMM type 1, 2, 4 or 8MB. Size automatically detected and configured. Errors detected and reported by synchronous Channel Check. Adapter decodes 32-bit Micro Channel* bus addresses (4GB). User configurable features: faster matched memory cycles, data streaming and parity checking.

Part 2. IOV Adapters — Listings by Category

Memory: 32-Bit (Continued)

COMPANY: Hypertec Pty. Limited
ADDRESS: 112-118 Talavera Road
Unit 4
North Ryde, New South Wales 2113
AUSTRALIA
PHONE: 61-(0)2-805-0111
FAX: 61-(0)2-805-0999

ADAPTER NAME: HYPERAM MC 32/16
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 7007
BUS MASTER: NO
AVAILABLE: 8/89
DESCRIPTION: Expanded/extended multifunction memory board for the full range of PS/2* computers with the Micro Channel* bus. Operates as 16-bit board in all 16-bit machines and as 32-bit board in Models P70, 70 and 80. Supplies up to 32MB of memory which can be added in 512KB increments in 16-bit machines, 1MB increments in 32-bit machines. In the U.K. call 44-(0)672- 63936 or FAX 44-(0)672-63709. In Belgium call 32-2-536-8600 or FAX 32-2-636-8600.

ADAPTER NAME: HYPERAM MC 32/16 MF
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 608E
BUS MASTER: NO
AVAILABLE: 8/89
DESCRIPTION: Extended/expanded memory board to 32MB with serial and parallel ports. Operates as a 16-bit board in all 16-bit computers and as a 32-bit board in the P70, 70 and 80 models.

COMPANY: Intel Corporation
ADDRESS: 5200 NE Elam Young Parkway
Hillsboro, OR 97124
U.S.A.
PHONE: 1-503-629-7000 / 1-800-538-3373
FAX: 1-800-458-6231

ADAPTER NAME: Above™ Board MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 70D1
BUS MASTER: NO
AVAILABLE: 5/91
DESCRIPTION: The Intel™ Above™ Board MC is the only memory board for IBM* Micro Channel* architecture that you'll ever need. Boost software performance with up to 32MB of memory. For IBM* PS/2* computers with Micro Channel bus (16- and 32-bit) and 100% compatible systems. Built-in support for serial/parallel port option.

COMPANY: Kingston Technology Corp.
ADDRESS: 17600 Newhope Street
Fountain Valley, CA 92708
U.S.A.
PHONE: 1-714-435-2600
FAX: 1-714-435-2699

ADAPTER NAME: KTM-16000/386 Magic RAM
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 70D0
BUS MASTER: NO
AVAILABLE: 4/90
DESCRIPTION: KTM-16000/386 Magic RAM is a 32-bit memory board. It can be used to install up to 16MB of memory on an IBM* PS/2* Model 70 or 80 computer is 1MB, 2MB or 4MB increments with 1MB, 2MB or 4MB SIMMs.

ADAPTER NAME: KTM-8000/386
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 708F
BUS MASTER: NO
AVAILABLE: 10/89
DESCRIPTION: A 32-bit memory enhancement board. Allows installation of up to 8MB of memory on an IBM* PS/2* Model 70 or 80 computer in 2MB increments with 2MB SIMMs. NSTL Certified.

COMPANY: Orchid Technology
ADDRESS: 45365 Northport Loop West
Fremont, CA 94538
U.S.A.
PHONE: 1-415-683-0300 / 1-800-767-2443
FAX: 1-415-490-9312

ADAPTER NAME: RamQuest 16/32
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 707F
BUS MASTER: NO
AVAILABLE: 11/88
DESCRIPTION: First card that works with all PS/2* computers with the Micro Channel* bus in both 16- and 32-bit slots. Full 32-bit data transfer supported in 70 and 80; 0-8MB with serial and parallel ports standard with serial cable; uses 256K and/or 1MB SIMMs; EMS 4.0 and OS/2* computer software compatible; TRAM support; productivity software; easy install; 4 year warranty.

Part 2. IOV Adapters — Listings by Category

Memory: 32-Bit (Continued)

COMPANY: Teemar
ADDRESS: 6225 Cochran Road
Solon, OH 44139-3377
U.S.A.
PHONE: 1-216-349-1009 / 1-800-624-8560
FAX: 1-216-349-0851

ADAPTER NAME: MicroRAM 386**
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 7010
BUS MASTER: NO
AVAILABLE: 9/89
DESCRIPTION: Memory multifunction board offering up to 32MB of fast 32-bit memory designed for the PS/2* Model 70, 80, 90 and 95 computers. Up to 32MB using 4MB SIMMs, 8MB using 1MB SIMMs and 2MB using 256KB SIMMs. Matched memory cycle and zero wait state support programmable on a per bank basis. Memory can be mapped from 0 to 256MB system address space. Compatible with 70ns to 150ns SIMMs. SIMMs sizes and speeds can be mixed on a per bank basis.

ADAPTER NAME: MicroRAM SC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 7491
BUS MASTER: NO
AVAILABLE: 7/91
DESCRIPTION: MicroRAM SC provides 1MB to 32MB of system BIOS-compatible, true zero wait state extended memory for any Micro Channel* bus-based PS/2* computer. Automatic software configuration includes mixing sizes and speeds of 36-bit, 72-pin IBM style 1MB, 2MB, 4MB and 8MB SIMMs. 30-day money back guarantee. Editor's choice of PC MAGAZINE for Micro Channel bus memory expansion, January 1992.

COMPANY: Telecomputer, Inc.
ADDRESS: 15026 Moran Street
Westminster, CA 92683
U.S.A.
PHONE: 1-714-894-8954 / 1-800-637-9695
FAX: 1-714-891-8364

ADAPTER NAME: *Telemar*
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 70E3
BUS MASTER: NO
AVAILABLE: 8/92
DESCRIPTION: 2-128MB expanded / extended memory board for the IBM* Micro Channel* bus. Operates as 16-bit board in PS/2 Model 50, 50Z, 55 SX, 60 and 65 computers and as 32-bit board in higher models. Can be easily installed using automatic switchless configuration. Memory modules are user-installable in increments of 2MB, 4MB and 16MB SIMMs.

COMPANY: Xtend Micro Products, Inc.
ADDRESS: 15215 Alton Parkway
Suite 300
Irvine, CA 92718
U.S.A.
PHONE: 1-714-753-0220 / 1-800-232-9836
FAX: 1-714-753-0340

ADAPTER NAME: MC-32 Memory Expansion Board
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 7430
BUS MASTER: NO
AVAILABLE: 11/90
DESCRIPTION: The MC-32 memory expansion board provides up to 16MB of 32-bit memory for the IBM* PS/2* Model 70 and 80 computers. You may install three 16MB boards for an additional 48MB of memory for the Model 80 and two 16MB boards for an additional 32MB of memory for the Model 70. NSTL Certified.

Multimedia

COMPANY: Jovian Logic Corporation
ADDRESS: 47929 Fremont Boulevard
Fremont, CA 94538
U.S.A.
PHONE: 1-510-651-4823
FAX: 1-510-651-1343

ADAPTER NAME: SUPER VIA
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6C7F
BUS MASTER: NO
AVAILABLE: 8/90
DESCRIPTION: A high resolution (640 x 480 - 256 colors) real-time capture card. The video input may be composite color, Super-VHS or RGB color. Featuring Multiple Sequential Frame Storage (MSFS) — digitizing in real time a series of images and saving them to memory. Images can be stored in the following popular color or grey scale graphic file formats: TIFF, GIF, PCX, IMG, TGA, CUT, Autodesk FLI and IBM* Linkway* file format.

COMPANY: New Media Graphics Corporation
ADDRESS: 780 Boston Road
Billerica, MA 01821-5925
U.S.A.
PHONE: 1-508-663-0666 / 1-800-288-2207
FAX: 1-508-663-6678

ADAPTER NAME: TV Tuner for IBM* Micro Channel* Architecture
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 8067
BUS MASTER: NO
AVAILABLE: 5/91
DESCRIPTION: PC-controlled TV Tuner card allows selection and tuning of broadcast or cable-modulated video, outputs a demodulated video and mono audio.

Part 2. IOV Adapters — Listings by Category

Multimedia (Continued)

COMPANY: New Media Graphics Corporation
ADDRESS: 780 Boston Road
Billerica, MA 01821-5925
U.S.A.
PHONE: 1-508-663-0666 / 1-800-288-2207
FAX: 1-508-663-6678

ADAPTER NAME: VideoWindows for IBM* Micro Channel* Architecture
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 621D
BUS MASTER: NO
AVAILABLE: 9/91
DESCRIPTION: Combines video and audio with VGA-generated graphics and text. It digitizes and scan converts NTSC or PAL video from a TV camera, VCR, videodisk, cable TV or still-frame video camera. The full motion video can be scaled to any size window.

COMPANY: VideoLogic, Inc.
ADDRESS: 245 First Street
Cambridge, MA 02142
U.S.A.
PHONE: 1-617-494-0530
FAX: 1-617-494-0534

ADAPTER NAME: DVA-4000 for IBM* Micro Channel* Architecture
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 8028
BUS MASTER: NO
AVAILABLE: 5/89
DESCRIPTION: Integrates full motion video with VGA text and graphics using standard VGA monitors. Live NTSC or PAL motion video can be scaled to any size and positioned (i.e. windowed video) for multimedia applications. Image capture also supported.

Multiple Bus Attachment

COMPANY: Advanced InterLink Corp.
ADDRESS: 15181 Springdale Street
Huntington Beach, CA 92649
U.S.A.
PHONE: 1-714-894-1675
FAX: 1-714-893-1546

ADAPTER NAME: TransFormer 2
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 7FEB
BUS MASTER: NO
AVAILABLE: 12/87
DESCRIPTION: Converts the Micro Channel* bus to PC XT* computer bus so you can use PC XT computer interface card with PS/2* Model 50, 60 and 80 computers.

COMPANY: Bit 3 Computer Corporation
ADDRESS: 8120 Penn Avenue South
Minneapolis, MN 55431-1393
U.S.A.
PHONE: 1-612-881-6955
FAX: 1-612-881-9674

ADAPTER NAME: Type 3 Adaptor for IBM* Micro Channel* Architecture
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 7283
BUS MASTER: NO
AVAILABLE: 2/89
DESCRIPTION: Adaptor is configured for use in 4 different packaging configurations as follows: Model 443 for PS/2* computer compatibility with VMEbus; Model 444 for PS/2 computer compatibility with MULTIBUS* I interface; Model 445 for PS/2 computer compatibility with DEC* Q22-bus* interface; and Model 446 for PS/2 computer and RISC System/6000* POWERstation / POWERserver for A32/D16 VMEbus compatibility. AIX* computer software driver support available.

ADAPTER NAME: VMEbus Adaptor with DMA
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 0FE1
BUS MASTER: YES
AVAILABLE: 3/91
DESCRIPTION: Model 477 Type 5 adaptor makes the IBM* RISC System/6000* POWERstations and POWERservers compatible with A32/D32 VMEbus. The memory mapped interface permits the RISC System/6000 POWERstation or POWERserver to perform random access read/writes to all 32 bits of VME address space. A built-in DMA controller allows memory-to-memory transfers at rates to 20M bytes per second. AIX* support software is available.

COMPANY: Elettronica Sillaro S.R.L.
ADDRESS: Via Meucci, 11
Castel S. Pietro Terme (BO) 40024
ITALY
PHONE: 39-51-94-05-09
FAX: 39-51-94-17-37

ADAPTER NAME: ES*-479
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 69EA
BUS MASTER: NO
AVAILABLE: 3/91
DESCRIPTION: The ES*-479 adaptor makes IBM* PS/2* computers compatible with the Siemens SMP bus; the memory or I/O mapped interface allows PS/2 computers to function as masters or slaves with Elettronica Sillaro* and Siemens industrial I/O systems.

Part 2. IOV Adapters — Listings by Category

Music Interface

COMPANY: Misuzu Erie Co., Ltd.
ADDRESS: 3-8-13 Hinagahigashi
Yokkaichi-shi
510 JAPAN
PHONE: 81-(0)593-46-9024
FAX: 81-(0)593-47-2773

ADAPTER NAME: EMU - IPS
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 658A
BUS MASTER: NO
AVAILABLE: 6/90
DESCRIPTION: Musical Instrument Digital Interface (MIDI) board for computer music. C language drivers included.

COMPANY: Roland Corporation
ADDRESS: 3-7-13 Shinkitajima
Suminoe-Ku
Osaka
559 JAPAN
PHONE: 81-(0)6-281-1381
FAX: 81-(0)6-281-1531

ADAPTER NAME: MPU-IMC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6C0F
BUS MASTER: NO
AVAILABLE: 7/89
DESCRIPTION: MIDI processing unit for PS/2* computers with the Micro Channel* bus.

Optical Disk Attachment

COMPANY: Hitachi Home Electronics (America), Inc.
ADDRESS: Multimedia Systems Division
401 West Artesia Boulevard
Compton, CA 90220
U.S.A.
PHONE: 1-310-537-8383 X537 or X511 /
1-800-369-0422
FAX: 1-310-515-6223

ADAPTER NAME: CD-ROM Interface for Hitachi™ External Non-SCSI Drives Model CDFI5A
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5EEE
BUS MASTER: NO
AVAILABLE: 5/88
DESCRIPTION: CD-ROM Interface card for Hitachi™ bus CD + ROM drives. Supports IBM* Micro Channel* bus on PS/2* Model 50, 50Z, 55 SX, 60, 70 and 80 computers. Card supports 1-4 CD-ROM drives (daisy chained), which use the Hitachi CD-ROM bus standard. External DB37 connector for use with the Hitachi CDR1502S (one drive only), CDR1503S, CDR2500S, CDR1700S or other compatible drives. Available software for Microsoft™ DOS.

COMPANY: Online Products Corporation
ADDRESS: 20251 Century Boulevard
Germantown, MD 20874
U.S.A.
PHONE: 1-301-428-3700 / 1-800-922-9204
FAX: 1-301-428-2903

ADAPTER NAME: CDI-210 CD-ROM Controller Card
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: CDI-210S(5022); CDI-210H(5025)
BUS MASTER: NO
AVAILABLE: 9/88
DESCRIPTION: CD-ROM drive interface controls up to 8 drives with simultaneous seeks. Compatible with Online Multi-drive Optical Storage Units, and Sony™, Hitachi™ and Amdek™ CD-ROM drives.

Parallel Port

COMPANY: Advanced Microcomputer Systems, Inc.
ADDRESS: 1321 NW 65th Place
Fort Lauderdale, FL 33309
U.S.A.
PHONE: 1-305-975-9515 / 1-800-972-3733
FAX: 1-305-975-9698

ADAPTER NAME: Multi-Parallel-1
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5101
BUS MASTER: NO
AVAILABLE: 7/88
DESCRIPTION: I/O adapter card. One additional parallel port for the Micro Channel* bus. Can be configured as LPT1, LPT2 or LPT3.

ADAPTER NAME: Multi-Parallel-2
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5101
BUS MASTER: NO
AVAILABLE: 7/88
DESCRIPTION: I/O adapter card. Two additional parallel ports for the Micro Channel* bus. Easy configurability as LPT1 through LPT3.

COMPANY: Boca Research, Inc.
ADDRESS: 6413 Congress Avenue
Boca Raton, FL 33487
U.S.A.
PHONE: 1-407-997-6227
FAX: 1-407-997-0918

ADAPTER NAME: BOCA.MCA™ Parallel
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 60C9
BUS MASTER: NO
AVAILABLE: 6/88
DESCRIPTION: Provides one bi-directional parallel port for use with IBM* PS/2* Model 50, 50Z, 55 SX, 60, 65, 70, 80 and 90 computers. BOCA.MCA™ Parallel is a half-length board.

Part 2. IOV Adapters — Listings by Category

Parallel Port (Continued)

COMPANY: Computer Elektronik Infos of America, Inc. (CEI) ADDRESS: 512-A Herndon Parkway Herndon, VA 22070 U.S.A. PHONE: 1-703-435-3800 / 1-800-322-3464 FAX: 1-703-435-5129	ADAPTER NAME: MICROPORT-P SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6322 BUS MASTER: NO AVAILABLE: 4/89 DESCRIPTION: Provides a single 25-pin parallel port compatible with Centronics™ parallel port capable of LPT1, LPT2, LPT3 configurations. Supports 2-way transmission. Half-size board.
COMPANY: Elettronica Sillaro S.R.L. ADDRESS: Via Meucci, 11 Castel S. Pietro Terme (BO) 40024 ITALY PHONE: 39-51-94-06-09 FAX: 39-51-94-17-37	ADAPTER NAME: P10.032.03 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6245 BUS MASTER: NO AVAILABLE: 5/91 DESCRIPTION: Parallel I/O adapter with 1 parallel port. Compatible with DOS and OS/2* computer software.
COMPANY: Lava Computer Mfg Inc. ADDRESS: 28A Dansk Court Rexdale, Ontario M9W 5V8 CANADA PHONE: 1-416-674-5942 FAX: 1-416-674-8262	ADAPTER NAME: Parallel/A SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6181 BUS MASTER: NO AVAILABLE: 10/88 DESCRIPTION: Parallel printer port for all computers with Micro Channel* bus.
COMPANY: Micronomy Ltd ADDRESS: Unite 18, Central Trading Estate Staines, Middlesex TX18 4XE UNITED KINGDOM PHONE: 44-(0)784-463-651 FAX: 44-(0)784-463-799	ADAPTER NAME: Dual Channel Printer Port Adaptor SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6A7B BUS MASTER: NO AVAILABLE: 10/90 DESCRIPTION: Dual parallel printer port, configurable as LPT2/3, -4/5, -6/7, or -8/9 complete with software drivers and cable adaptor. Uses BIOS drivers for LPT2/3. Usual 25-pin D connector pinout.
COMPANY: Neotech, Inc. ADDRESS: 30295 Solon Industrial Parkway Solon, OH 44139 U.S.A. PHONE: 1-216-248-4114 / 1-800-552-1552 FAX: 1-216-248-5701	ADAPTER NAME: DP/1A Dual-Parallel Adapter SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6786 BUS MASTER: NO AVAILABLE: 3/89 DESCRIPTION: DP/1A has two parallel ports, configurable under DOS or OS/2* computer software as LPT1, 2 or 3. Each port terminated by DB-25 connector on pig-tail cable. Perfect for print server applications.
	ADAPTER NAME: PP/1A Parallel Adapter SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6782 BUS MASTER: NO AVAILABLE: 9/88 DESCRIPTION: Full bidirectional parallel port, configurable as LPT2 or LPT3 functions with DOS or OS/2* computer software.
COMPANY: Opto 22 ADDRESS: 43044 Business Park Drive Temecula, CA 92590-3665 U.S.A. PHONE: 1-714-695-9299 FAX: 1-714-695-3095	ADAPTER NAME: AC33 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6C69 BUS MASTER: NO AVAILABLE: 3/88 DESCRIPTION: A parallel port which sources a PAMUX Bus for up to 512 points of digital and/or analog I/O at distances up to 500 feet.
COMPANY: Quatech, Inc. ADDRESS: 682 Wolf Ledges Parkway Akron, OH 44311 U.S.A. PHONE: 1-216-434-3154 / 1-800-553-1170 FAX: 1-216-434-1409	ADAPTER NAME: SP-1000 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 5FE8 BUS MASTER: NO AVAILABLE: 8/88 DESCRIPTION: One parallel port for the Micro Channel* bus. May be configured as LPT1, LPT2, or LPT3. Supports interrupt levels 5 and 7.

Part 2. IOV Adapters — Listings by Category

Performance

COMPANY: Coherent Research, Inc.
ADDRESS: One Adler Drive
East Syracuse, NY 13057
U.S.A.

PHONE: 1-315-433-1010
FAX: 1-315-433-0070

ADAPTER NAME: Coherent Processor™
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 7086
BUS MASTER: NO
AVAILABLE: 11/89
DESCRIPTION: 4096 Associative Processors in one slot! Content Addressable Memory (CAM) + parallel processing = fast, flexible sort and search hardware. Pattern match data at greater than 8 billion searches per second. Real-time signal processing, RDBMS, expert systems, FDDI routing, Genome sequencing, neural network simulation. For PS/2* Model 70 and 80 computers and RISC System/6000 systems. Separate development environment product available.

COMPANY: Inmos Ltd.
ADDRESS: 1000 Aztec West
Almondsbury, Bristol BS12 4SQ
UNITED KINGDOM
PHONE: 44-0454-616616
FAX: 44-0454-617910

ADAPTER NAME: Transputer Motherboard for the IBM* PS/2* Computers
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 6A03
BUS MASTER: NO
AVAILABLE: 9/90
DESCRIPTION: Add-in motherboard hosts up to 4 Transputer processors with links to larger networks. Supports TRAM format providing scalable processing using 16 pins on a 1.05 x 3.66 inch module. TRAM format makes graphics, SCSI, DSP, memory, modules, etc., available to PS/2* computers. Development kit is available. Marketed in the U.S. by SGS-Thomson, Inmos Ltd., 1310 Electronics Drive, Carrollton, TX 75006 — Phone 1-214-466-8844 or FAX 1-214-466-7352.

COMPANY: Polywell Computers
ADDRESS: 61-C Airport Boulevard
South San Francisco, CA 94080
U.S.A.
PHONE: 1-415-583-7222 / 1-800-999-1278
FAX: 1-415-583-1974

ADAPTER NAME: Accelerator 50/60
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 0CCF
BUS MASTER: YES
AVAILABLE: 1/89
DESCRIPTION: Accelerator board for PS/2* Models 50, 50Z and 60 computers that increases speed over 200% and maintains full hardware and software compatibility. Boosting Norton SI from 10 to 23, it uses 20MHz, 0-wait 80C286 CPU complement with 32K cache RAM. Easily installed.

COMPANY: Reach Technology Inc.
ADDRESS: 44790 South Grimmer Boulevard
Suite 201
Fremont, CA 94538
U.S.A.
PHONE: 1-510-770-1417
FAX: 1-510-657-5055

ADAPTER NAME: 68KMC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 67BF
BUS MASTER: NO
AVAILABLE: 2/91
DESCRIPTION: A co-processor adapter using a Motorola 68020 processor and up to 16MB of dual ported memory. It is geared to the VAR or OEM who needs to port 680X0 software to the Micro Channel* bus environment.

COMPANY: Sonitech International, Inc.
ADDRESS: 14 Mica Lane
Suite 208
Wellesley, MA 02181
U.S.A.
PHONE: 1-617-235-6824
FAX: 1-617-235-2531

ADAPTER NAME: SPIRIT40 MCDSP 100 MFLOP Accelerator
SUPPORTS: PS/2 - NO RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 55F5
BUS MASTER: NO
AVAILABLE: 10/92
DESCRIPTION: 100 MFLOPS plug-in board based on dual TMS320C40s. Has 10 communication ports with 20MBytes/second transfer rate. Multiple cards can be configured in hypercube, ring, lattice or tree structure for parallel processing configuration with peak performance in excess of 800 MFLOPS. Software includes compiler, parallelizing and multi-tasking operating systems, DSP Library, SPOX, C source debugger and run-time libraries.QX

COMPANY: Stac Electronics
ADDRESS: 5993 Avenida Encinas
Carlsbad, CA 92008
U.S.A.
PHONE: 1-619-431-7474 / 1-800-522-7822
FAX: 1-619-431-0880

ADAPTER NAME: Stacker™ MC/16
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6FB4
BUS MASTER: NO
AVAILABLE: 4/92
DESCRIPTION: Stacker™ MC/16 is fully compatible with all DOS and Windows™ software applications. Installation is easy and requires no setting of jumpers or switches.

Part 2. IOV Adapters — Listings by Category

Printer Attachment

COMPANY: Barr Systems, Inc.
ADDRESS: 4131 NW 28th Lane
Gainesville, FL 32606
U.S.A.
PHONE: 1-904-371-3050 / 1-800-227-7797
FAX: 1-904-371-3018

ADAPTER NAME: BARR/DPI2
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6DDD
BUS MASTER: NO
AVAILABLE: 4/90
DESCRIPTION: BARR/DPI2 implements the Dataproducts printer interface. BARR/DPI2 appears to the PC as a parallel printer adapter (LPT1, LPT2 or LPT3). It is completely compatible with BIOS and DOS. IBM® 6262 P12, P14, and P22 printers are driven at their maximum speeds.

ADAPTER NAME: PRINT370
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6370
BUS MASTER: NO
AVAILABLE: 5/90
DESCRIPTION: PRINT370 supports System/370* mainframe channel-attached printers (IBM® 3203, 3211, 4245, 6262) for remote printing from a PS/2* computer. Six printers can be attached by a S/370 mainframe Bus and Tag cable. RJE mainframe connections are SNA RJE (SDLC or Token Ring), HASP, 3780 or 2780.

COMPANY: B.V. Neways R&D
ADDRESS: Duivendijk 1
5672 AD Nuenen
THE NETHERLANDS
PHONE: 31-40-83-83-05
FAX: 31-40-83-68-05

ADAPTER NAME: M6060 Serial/Parallel Printer Adapters
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6B8E
BUS MASTER: NO
AVAILABLE: 10/88
DESCRIPTION: Serial/parallel adapter for all PS/2* computers with Micro Channel* bus. Supports serial COM1 to COM64. Supports parallel LPT1 to LPT4. Configures with supplied software.

COMPANY: Eicon Technology Corporation
ADDRESS: 2196 32nd Avenue (Lachine)
Montreal, Quebec HBT 3H7
CANADA
PHONE: 1-514-631-2592
FAX: 1-514-631-3092

ADAPTER NAME: EiconScript™ Card/MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6D6D
BUS MASTER: NO
AVAILABLE: 9/88
DESCRIPTION: EiconScript™ 100 is a PC or PS/2* computer-resident Laser Printer Adapter Subsystem which provides high performance PostScript™ language capability to non-PostScript printers from Canon, Ricoh, HP and Epson, at affordable prices. It features foreground/background operation and direct hard disk access. Doubles horizontal resolution of printers.

COMPANY: Electronic Form Systems
ADDRESS: 2395 Midway Road
Carrollton, TX 75006-2504
U.S.A.
PHONE: 1-214-250-7777 / 1-800-367-6373

ADAPTER NAME: Printer Controller
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 67FF
BUS MASTER: NO
AVAILABLE: 9/88
DESCRIPTION: Supports the broad range of Formwriter™ desktop laser page printers available from Electronic Form Systems. All printers support printing of electronic forms with or without application data and print letter or legal size pages. Print speeds range from 8 pages per minute to 20 pages per minute. Duplex models available.

COMPANY: ETen Information System Co., Ltd.
ADDRESS: No. 59, Mei-Ning Street
Tai-Shan Hsiang
Taipei Hsien
TAIWAN, Republic of China
PHONE: 886-2-971-0800
FAX: 886-2-909-3807

ADAPTER NAME: ETen Laser Printer Controller
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 51FF
BUS MASTER: NO
AVAILABLE: 11/89
DESCRIPTION: Direct control of the Canon LBP-ST Laser Printer for fast printing.

COMPANY: IKON Corporation
ADDRESS: 2617 Western Avenue
Seattle, WA 98121
U.S.A.
PHONE: 1-206-728-6465
FAX: 1-206-728-1633

ADAPTER NAME: Model 10107 Hardcopy Interface
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 0430
BUS MASTER: YES
AVAILABLE: 1/91
DESCRIPTION: Interface for any Versatec or Centronics™ compatible plotter or printer.

Part 2. IOV Adapters — Listings by Category

Printer Attachment (Continued)

COMPANY: THE FAXGROUP
ADDRESS: 249 South Highway 101
Solana Beach, CA 92075
U.S.A.
PHONE: 1-901-873-3040 / 1-800-346-1799
FAX: 1-901-873-1867

ADAPTER NAME: FAXPRO™ 6000-PP
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 61EC
BUS MASTER: NO
AVAILABLE: 3/90
DESCRIPTION: FAXPRO™ 6000-PP paperless printer adapter. Connects your PS/2* computer to a flat display which acts as a laserjet printer to your system. The paperless printer displays your documents 24 x 34 inches big. The paperless printer is ideal for presentations and teleconferencing.

Scanner Attachment

COMPANY: Applied Programming Technologies, Inc.
ADDRESS: One Hollow Lane
Suite 313
Lake Success, NY 11040
U.S.A.
PHONE: 1-516-365-1098 / 1-800-486-3662
FAX: 1-516-365-1099

ADAPTER NAME: IXS1600
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 50C4
BUS MASTER: NO
AVAILABLE: 6/91
DESCRIPTION: SCSI interface subsystem for Canon™ IX-30F™ Scanner. Includes software and utilities for scan, view and image format conversion. Scans at rated speed of the scanner. Developer's library is available. "AT" bus solution is supported with separate card.

COMPANY: CITEC S.p.A.
ADDRESS: Via Alessandro Farnese, 3
00192 Rome
ITALY
PHONE: 39-(0)6-32-16-693
FAX: 39-(0)6-37-25-105

ADAPTER NAME: Scanner Interface Mod. CT 1020 for the Micro Channel* Architecture
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6A47
BUS MASTER: NO
AVAILABLE: 7/90
DESCRIPTION: Integrated board for A3/A4 scanners, large format scanners or aperture card scanners with software device driver. Proprietary bus is used for real time image transfer to frame buffer (mod. CT820). FIFO buffer for software image capturing.

COMPANY: EM-Geraetebau GmbH
ADDRESS: Carl-Reiss-Platz 7 - 9
6800 Mannheim 1
FEDERAL REPUBLIC OF GERMANY
PHONE: 49-0621-4108-0
FAX: 49-0621-4108-135

ADAPTER NAME: 5864 for SL 90 PC/MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5864
BUS MASTER: NO
AVAILABLE: 2/91
DESCRIPTION: Adapter to accept image and ASCII data from forms reader EM SL 90. Supplied with driver software and reading program for OS/2* computer software.

ADAPTER NAME: 5866 for E500 PC/MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5866
BUS MASTER: NO
AVAILABLE: 9/91
DESCRIPTION: Adapter to accept image from high speed scanner EM SEL500. Supplied with driver software and reading program for OS/2* computer software.

COMPANY: Howtek, Inc.
ADDRESS: 21 Park Avenue
Hudson, NH 03051
U.S.A.
PHONE: 1-603-882-5200
FAX: 1-603-880-3843

ADAPTER NAME: Howtek Scanner Parallel Interface
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 65D4
BUS MASTER: NO
AVAILABLE: 6/91
DESCRIPTION: An expansion adapter that connects PS/2* computers to any Howtek Color Scanner that includes a parallel interface. The adapter kit comes complete with DOS and Windows™ 3.x applications software and an interface cable.

COMPANY: Kyocera Co., Ltd.
ADDRESS: 2-14-9 Tamagawadai
Setagaya-ku
Tokyo
158 JAPAN
PHONE: 81-03-3708-3111
FAX: 81-03-3708-2489

ADAPTER NAME: Image Scanner Adapter Kit IK-2
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6C07
BUS MASTER: NO
AVAILABLE: 4/90
DESCRIPTION: Card for the Micro Channel* bus to directly connect to the Kyocera Image Scanner. Includes: PS/2* computer adapter card, Kyocera Scanner driver, ImageDesk™ and Run Time Windows™ 2.03 software.

Part 2. IOV Adapters — Listings by Category

Scanner Attachment (Continued)

COMPANY: Microtek Lab, Inc. ADDRESS: 680 Knox Street Torrance, CA 90502 U.S.A. PHONE: 1-213-321-2121 / 1-800-654-4160 FAX: 1-310-538-1193	ADAPTER NAME: Image Scanner Interface Card SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 609E-MS300A;60AC-other models BUS MASTER: NO AVAILABLE: 6/88 DESCRIPTION: Micro Channel* bus card directly connects all Microtek image scanners to IBM* PS/2* computers. This link allows connection of Microtek's binary, gray-scale and color/gray-scale scanners to all IBM PS/2 computers.
COMPANY: OptoWand Incorporated ADDRESS: 3200 West Story Road Irving, TX 75038-3536 U.S.A. PHONE: 1-214-257-2100 FAX: 1-214-257-2129	ADAPTER NAME: PS2000 OCR Reader Adapter Card SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 642F BUS MASTER: NO AVAILABLE: 1/91 DESCRIPTION: Reads OCR and magnetic strip input data. The standard board includes four character sets with other fonts available. Standard credit card magnetic track options are also available. Input device options are a hand-held module, an OCR/magnetic slot reader, or an integrated OCR read head.
COMPANY: Pentax Technologies Corporation ADDRESS: 100 Technology Drive Suite 200 Broomfield, CO 80021 U.S.A. PHONE: 1-303-460-1600 FAX: 1-303-460-1628	ADAPTER NAME: Pentax™ IQ Scan™ Interface Card for IBM* Micro Channel* Architecture SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 5FD7 BUS MASTER: NO AVAILABLE: 6/91 DESCRIPTION: Adapter for the IBM* Micro Channel* bus that directly connects Pentax™ IQ Scan™ Image Scanner to IBM PS/2* computers. This link allows connection of Pentax's binary, grayscale scanners to all IBM PS/2 computers. Supports DMA channels 1, 3, 5 and 7 and I/O port ranges 300-307, 340-347, and 380-387.
COMPANY: Scan-Graphics, Inc. ADDRESS: 700 Abbott Drive Broomall, PA 19008 U.S.A. PHONE: 1-215-328-1040 FAX: 1-215-543-6257	ADAPTER NAME: G4-CDMC-01 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 50F5 BUS MASTER: NO AVAILABLE: 5/91 DESCRIPTION: Image compression / decompression and scanner interface card. Optional daughter cards provide interface to large format (44 inch) scanners, aperture card scanners and page scanners.
COMPANY: SQN Peripherals, Inc. ADDRESS: P.O. Box 423 65 Indel Avenue Rancocas, NJ 08073 U.S.A. PHONE: 1-609-261-5500 FAX: 1-609-265-9517	ADAPTER NAME: VERITAS Signature Verification System SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 509D BUS MASTER: NO AVAILABLE: 6/88 DESCRIPTION: The VERITAS Signature Verification System uses a 1/2 size board with a 4 inch wide hand scanner for signature capture and display. A complete line of PS/2* computer-based image capture and retrieval software is available.

SCSI Attachment

COMPANY: Adaptec, Inc. ADDRESS: 691 South Milpitas Boulevard Milpitas, CA 95035 U.S.A. PHONE: 1-408-945-8600 FAX: 1-408-262-2533	ADAPTER NAME: AHA-1640 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 0F1F BUS MASTER: YES AVAILABLE: 12/88 DESCRIPTION: Intelligent bus master SCSI host adapter which supports full range of operating systems and SCSI-1 or SCSI-2 peripheral devices across the IBM* PS/2* computer family.
---	---

Part 2. IOV Adapters — Listings by Category

SCSI Attachment (Continued)

COMPANY: Advanced Storage Concepts, Inc.
ADDRESS: 9020 North Capital of Texas Highway
Suite 420
Austin, TX 78759
U.S.A.
PHONE: 1-512-346-9401
FAX: 1-512-345-1328

ADAPTER NAME: ASC-PS2**
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 53FF
BUS MASTER: NO
AVAILABLE: 9/88
DESCRIPTION: SCSI host adapter for PS/2* computers to support CD-ROM, WORM, erasable tape and magnetic devices. DMA-based and contains a 16-byte FIFO for smoothing SCSI to Micro Channel* bus transfers (both synchronous and asynchronous SCSI transfers). Transfer rate is 2MB/second. Tape backup and restore utility and C libraries are available. Multiple ASC-PS2** adapters in a single system are supported.

COMPANY: Applied Programming Technologies, Inc.
ADDRESS: One Hollow Lane
Suite 313
Lake Success, NY 11040
U.S.A.
PHONE: 1-516-365-1098 / 1-800-486-3662
FAX: 1-516-365-1099

ADAPTER NAME: APT SC-1600
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 50C3
BUS MASTER: NO
AVAILABLE: 5/90
DESCRIPTION: A low cost, 16-bit, DMA based SCSI host adapter for controlling internal and external SCSI devices. Drivers available for fixed disk, removable hard disk, optical rewritable disk, and APT-NOSS jukebox subsystem. Optional bootable EPROM available. Jukebox subsystem uses 5.25 inch and 12 inch jukeboxes. Parallel access with multiple SC-1600s can minimize SCSI contention. Compatible with NetBIOS LANs.

COMPANY: Bi-Tech Enterprises, Inc.
ADDRESS: Ten Carlough Road
Bohemia, NY 11716-2996
U.S.A.
PHONE: 1-516-567-8155
FAX: 1-516-567-8266

ADAPTER NAME: Bi-Tech 2300 Smart SCSI Interface
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5073
BUS MASTER: NO
AVAILABLE: 10/89
DESCRIPTION: The Bi-Tech Smart SCSI 2300 Interface is a single channel SCSI interface designed for IBM* PS/2* computers with Micro Channel* architecture. The card is a DMA slave interface, letting the PS/2 computer control all data transfers on the bus. Designed to be an economical yet full featured SCSI interface, the product provides high reliability in addition to excellent performance.

COMPANY: BusTek Corporation
ADDRESS: 4151 Burton Drive
Santa Clara, CA 95054
U.S.A.
PHONE: 1-408-492-9090
FAX: 1-408-492-1542

ADAPTER NAME: BT-640A
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 0708
BUS MASTER: YES
AVAILABLE: 9/90
DESCRIPTION: An intelligent 32-bit bus master SCSI host adapter for multitasking operating systems such as NetWare** 286 and 386, UNIX**, XENIX** and AIX*, as well as DOS, which supports up to 40MB/second. DMA data transfers, scatter-gather capabilities of over 8000 non-contiguous data segments, and 5MB/second data transfers to SCSI devices. SCSI-1 and SCSI-2 command set compatible.

ADAPTER NAME: BT-646S/D Intelligent Fast SCSI Host Adapter for Micro Channel* Bus
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 0709
BUS MASTER: YES
AVAILABLE: 3/92
DESCRIPTION: 32-bit Fast SCSI adapter compatible with AIX*, NetWare**, UNIX**, XENIX**, OS/2* or DOS computer software. Supports 40MB/second DMA transfers, storage capacity of up to 8GB per disk, and scatter-gather of over 8000 non-contiguous data segments. Available with either active single-ended or differential drive termination. On-board power connector provides power to SCSI peripherals.

Part 2. IOV Adapters — Listings by Category

SCSI Attachment (Continued)

COMPANY: Ciprico Inc.
ADDRESS: 2955 Xenium Lane
Plymouth, MN 55441
U.S.A.
PHONE: 1-612-559-2034
FAX: 1-612-559-8799

ADAPTER NAME: Rimfire™ 5700 SCSI/SCSI-2 Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 0027
BUS MASTER: YES
AVAILABLE: 8/91
DESCRIPTION: Intelligent 16/32-bit SCSI adapter supports multithreaded operation. 40MB per second bus master DMA, and 10MB per second FAST SCSI-2 data transfers. Supports disconnect/reselect, target and initiator modes, and SCSI-2 tagged messages. Drivers for NetWare™ 386 and AIX* operating systems.

COMPANY: Computer Elektronik Infosys of
America, Inc. (CEI)
ADDRESS: 512-A Herndon Parkway
Herndon, VA 22070
U.S.A.
PHONE: 1-703-435-3800 / 1-800-322-3464
FAX: 1-703-435-5123

ADAPTER NAME: C5640B
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5323
BUS MASTER: NO
AVAILABLE: 2/90
DESCRIPTION: 16-bit SCSI adapter for Micro Channel* bus which provides synchronous and asynchronous data transfer with maximum transfer rate of 5MB per second in synchronous mode. Supports interrupt sharing. Single-ended interface with removable bus terminator. 64KB buffer on board. Provides DMA 4-, 8- or 16-byte burst transfer with selectable arbitration level. SCSI driver support provided for DOS 3.3+, Novell™ 286 and 386, UNIX™ and OS/2* computer software.

COMPANY: Computer, Service & Maintenance
ADDRESS: 211 North El Camino Real
Encinitas, CA 92024
U.S.A.
PHONE: 1-619-944-1228
FAX: 1-619-942-5447

ADAPTER NAME: CSM-105
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - YES
POS ID: 7FEC
BUS MASTER: NO
AVAILABLE: 11/88
DESCRIPTION: Low cost, high performance 16-bit host adapter with on-board SCSI processor capable of up to 4MB/second, interrupt sharing and 32-byte DMA burst. Allows any combination of up to 8 SCSI devices attached to a single host adapter card. Full support of disk drives, optical WORM and CD-ROM drives, magnetic tapes, scanners, printers and multiple processors. Full program option select with up to 4 cards supported per system. Many more features.

COMPANY: CORE International, Inc.
ADDRESS: 7171 North Federal Highway
Boca Raton, FL 33487
U.S.A.
PHONE: 1-407-997-6055
FAX: 1-407-997-6009

ADAPTER NAME: CNT-MCH
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 0557
BUS MASTER: YES
AVAILABLE: 7/91
DESCRIPTION: 32-bit bus master adapter capable of 20MB per second data transfer rates. It will fit in either 16- or 32-bit slots and will also support 8-bit single ended.

ADAPTER NAME: S8-Host
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 05C7
BUS MASTER: YES
AVAILABLE: 3/92
DESCRIPTION: 8-bit single ended SCSI adapter for 16- or 32-bit slots. Connectors include 8-bit internal board edge as well as 60 position external. Hardware and software register compatible with the IBM* SCSI adapter.

ADAPTER NAME: SCSI-DIFF
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 05A2
BUS MASTER: YES
AVAILABLE: 3/92
DESCRIPTION: 32-bit differential SCSI adapter for use with CORE Intelligent Array subsystem with custom cable connection, data transfers at 20MB per second.

Part 2. IOV Adapters — Listings by Category

SCSI Attachment (Continued)

COMPANY: CORE International, Inc. ADDRESS: 7171 North Federal Highway Boca Raton, FL 33487 U.S.A. PHONE: 1-407-997-6055 FAX: 1-407-997-6009	ADAPTER NAME: SCSI Host SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 05A7 BUS MASTER: YES AVAILABLE: 3/92 DESCRIPTION: 32-bit differential SCSI adapter which can be installed in 16- or 32-bit slots. Contains a custom external cable for connection with the CORE Intelligent Array and an 8-bit differential connector for internal SCSI devices.
COMPANY: Daito Mechatronics Co., Ltd. ADDRESS: 2FI Yoshitake Bldg 31-1 Toyotsu-Cho Suita City, Osaka JAPAN 7564 PHONE: 81-(0)6-338-7221 FAX: 81-(0)6-338-7576	ADAPTER NAME: SIF-55A SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 5186 BUS MASTER: NO AVAILABLE: 8/90 DESCRIPTION: SIF-55 / SIF-55A SCSI Interface Card is installed into option slot of PS/2* computer, and hard disk of DHD-45 (45MB), 105 (105MB) 180 (180MB), 330 (330MB) and 520 (520MB). DHD-R OSMB - 181 (180MB) are connected by DC-3737 cable beside PS/2* computer. In addition our newly developed peripheral SCSI device may also be connected. Supports Microsoft™ DOS and OS/2* computer software.
COMPANY: Electronique D2 ADDRESS: 5, rue Watt 75013 Paris FRANCE PHONE: 33-1-45-82-49-40 FAX: 33-1-45-82-89-99	ADAPTER NAME: 9100 Kit for IBM* Micro Channel* Architecture SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6A2D BUS MASTER: NO AVAILABLE: 11/90 DESCRIPTION: Provides all hardware and software required to run SCSI fixed and removable disks offered by Electronique D2 under DOS, OS/2* and NetWare™ computer software for 42MB up to 1.2GB of storage using various disc technologies. 2MB per second transfer rate. Full 2 year warranty.
COMPANY: Future Domain Corporation ADDRESS: 2801 McGaw Avenue Irvine, CA 92714 U.S.A. PHONE: 1-714-253-0400 FAX: 1-714-253-0913	ADAPTER NAME: MCS-600 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6127 BUS MASTER: NO AVAILABLE: 4/91 DESCRIPTION: High-capacity, high performance SCSI mass storage adapters utilizing a low-cost, industry-standard Apple™ SCSI 25-pin D-sub connector. Includes 10MB/second fast synchronous, active termination, adaptive dual 8K FIFO and a 7-year warranty.
	ADAPTER NAME: MCS-700 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6127 BUS MASTER: NO AVAILABLE: 9/90 DESCRIPTION: MCS-700 16-bit SCSI-2 host adapter for Micro Channel* architecture incorporated with Future Domain's advanced TMC-1800 10MB per second synchronous SCSI CMOS VLSI chip gives your PS/2* computer the maximum performance and throughput available.
COMPANY: Muszertechnika ADDRESS: Venyige utca 3 Budapest H1108 HUNGARY PHONE: 36-1-147-6590 FAX: 36-1-157-0418	ADAPTER NAME: M-DCB/2 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 60ED BUS MASTER: NO AVAILABLE: 7/88 DESCRIPTION: Multi-channel SCSI controller board for NetWare™ 286, NetWare 386, OS/2*, DOS, XENIX™ and UNIX™ computer software. Supports all SCSI hard disk drives and ISO standard erasable optical drivers. Co-exists with the primary disk controller board. Available in the U.S. through Procomp USA, Inc., 6777 Engel Road, Cleveland, OH 44130 — Phone 1-216-234-6387 or FAX 1-216-234-2233.

Part 2. IOV Adapters — Listings by Category

SCSI Attachment (Continued)

COMPANY: Muszertechnika ADDRESS: Venyige utca 3 Budapest H1108 HUNGARY PHONE: 36-1-147-6590 FAX: 36-1-157-0418	ADAPTER NAME: S-DCB/2 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6185 BUS MASTER: NO AVAILABLE: 2/91 DESCRIPTION: Intelligent hard disk and removable optical drive controller board with Dynamic-Read-Ahead™ cache memory, and dual-access capability using NetWare™ version 2.xx and version 3.xx, PC DOS, Microsoft™ DOS 3.3x and 4.x, OS/2* and LAN Manager, SCO™ UNIX™ and XENIX™ 286 and 386 operating systems.
COMPANY: Online Products Corporation ADDRESS: 20251 Century Boulevard Germantown, MD 20874 U.S.A. PHONE: 1-301-428-3700 / 1-800-922-9204 FAX: 1-301-428-2903	ADAPTER NAME: SCSI Bus Adapter SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 503E BUS MASTER: NO AVAILABLE: 4/91 DESCRIPTION: SCSI Bus Adapter with 0, 2 or 4MB of extended memory, compatible with Online's Opti-Net™ CDROM LAN Management software as a VAP under Novell™ networking software.
COMPANY: Our Business Machines, Inc. ADDRESS: 12901 Ramona Boulevard Suite J Irwindale, CA 91706 U.S.A. PHONE: 1-818-337-9614 / 1-800-433-1435 FAX: 1-818-960-1766	ADAPTER NAME: Adapter for ProScan™ Scanners SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 5063 BUS MASTER: YES AVAILABLE: 10/90 DESCRIPTION: Micro Channel* bus adapter for the ProScan™ PS-1000 Professional Grayscale Scanner and the ProScan PS-3000 Personal Color Scanner. The PS-1000 is a full page, roll feed, 300 dpi scanner with 64 levels of gray for desk top publishing and optical character recognition. The PS-3000 is a 6.8 million color gull-page sheet-fed color scanner for desk top publishing, color images and OCR uses.
COMPANY: Procom Technology, Inc. ADDRESS: 200 McCormick Avenue Costa Mesa, CA 92626 U.S.A. PHONE: 1-714-549-9449 FAX: 1-714-549-0527	ADAPTER NAME: MCE-16 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 7F01 BUS MASTER: YES AVAILABLE: 1/91 DESCRIPTION: 16-bit SCSI host adapter for IBM* Micro Channel* bus. Supports all PS/2* computers with Micro Channel bus. Driver support available for all storage devices. Implements fast 16-bit Micro Channel DMA transfers of up to 4MB per second. Supports SCSI-1 and SCSI-2 command set. Kit available with drivers for DOS, OS/2*, NetWare™ 286 and 386, UNIX™, XENIX™ and AIX* computer software.
	ADAPTER NAME: MC Enabler SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 7F01 BUS MASTER: NO AVAILABLE: 1/90 DESCRIPTION: 16-bit SCSI host adapter for Micro Channel* bus. Provides interface for the broad range of Procom SCSI peripheral products: 20MB-420MB MD Series, 320MB-6GB MTD Series, 210MB-1.6GB Si 5.25 inch Series, 45MB-200MB Si 3.5 inch Series hard disk drives; 650MB external CDROM drive; 60MB-150MB PMT streaming tape backup subsystem; 650MB, or 128MB MEOD erasable optical drive; 1.3GB DAT drive subsystem; 40MB-80MB MRD removable hard drive subsystem.
COMPANY: Rancho Technology, Inc. ADDRESS: 8632 Archibald Avenue Suite 109 Rancho Cucamonga, CA 91730 U.S.A. PHONE: 1-714-987-3966 FAX: 1-714-989-2365	ADAPTER NAME: SCSI Host Adapter for IBM* PS/2* Computers with Micro Channel* Bus SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 708D BUS MASTER: NO AVAILABLE: 3/90 DESCRIPTION: Extremely low cost solution. Includes a BIOS for SCSI hard disk and floptical support. Also, includes a full-screen tape backup utility. Optionally includes optical WORM and WORM MO, Novell™, UNIX™, CDROM and scanner software for OS/2* computer software.

Part 2. IOV Adapters — Listings by Category

SCSI Attachment (Continued)

COMPANY: Storage Plus Inc.
ADDRESS: 1580 Oakland Road
Suite C103
San Jose, CA 95131
U.S.A.
PHONE: 1-408-453-5744
FAX: 1-408-453-5821

ADAPTER NAME: Storage Plus SCSI Host Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5032
BUS MASTER: NO
AVAILABLE: 4/90
DESCRIPTION: A 16-bit synchronous SCSI interface card for the Micro Channel* bus. It supports up to 7 SCSI devices and contains connectors for both internal and external peripherals. Drivers are available for various devices including tape drives and optical disks.

COMPANY: Trantor Systems, Ltd.
ADDRESS: 5415 Randall Place
Fremont, CA 94538
U.S.A.
PHONE: 1-510-770-1400
FAX: 1-510-770-9910

ADAPTER NAME: T228 SCSI Host Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 508C
BUS MASTER: NO
AVAILABLE: 1/90
DESCRIPTION: The T228 is a cost-effective, high-performance 1.2-1.5 Mbyte per second SCSI host adapter well suited for use with high performance hard disks (and other SCSI devices) in single user and multitasking environments.

ADAPTER NAME: T280 SCSI Host Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 508F
BUS MASTER: NO
AVAILABLE: 5/92
DESCRIPTION: The 280 is a high performance, 16-bit SCSI host adapter. Software support includes DOS hard disk, CD-ROM, and Tape, OS/2* version: 1.3 computer software hard disk and CD-ROM, and Novell** NetWare** 2.x and 3.1 software hard disk drivers.

Security/Encryption

COMPANY: Computer Elektronik Infosys of America, Inc. (CEI)
ADDRESS: 512-A Herndon Parkway
Herndon, VA 22070
U.S.A.
PHONE: 1-703-435-3800 / 1-800-322-3464
FAX: 1-703-435-5129

ADAPTER NAME: ELKEY-4
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6-470
BUS MASTER: NO
AVAILABLE: 2/89
DESCRIPTION: A high speed DES data encryption security board that controls access, system resources (drives, ports, etc.) and file access on a user-by-user basis. Network compatible. Audit trail. Virus checking. Brings machine into compliance with Computer Security Act.

COMPANY: Data Innovation Ltd
ADDRESS: 39, Mark Road
Hemel Hempstead, Herts HP2 7DN
UNITED KINGDOM
PHONE: 44(0)442-250-312
FAX: 44(0)442-66-438

ADAPTER NAME: PSP400 Cryptographic Module
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6A62
BUS MASTER: NO
AVAILABLE: 4/90
DESCRIPTION: A secure encryption, authentication, Key Management Subsystem for IBM* PS/2* computers with Micro Channel* bus. Operates on data exchanged with application software using NBS DES and Public Key algorithms. Contains a tamper-resistant Key Management kernel. Uses a single slot. Has an optional external port for Master Key loading. Includes software driver diskette. Can select more than one application under strict security control.

COMPANY: ELIASHIM microcomputers Inc.
ADDRESS: 520 West Highway 436
Suite 1180
Altamonte Springs, FL 32714
U.S.A.
PHONE: 1-407-682-1587 / 1-800-677-1587
FAX: 1-407-869-1409

ADAPTER NAME: Security Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - YES
POS ID: 6A7C
BUS MASTER: NO
AVAILABLE: 8/89
DESCRIPTION: Combined with software as MULTISAFE / TOTALSAFE product for multi-user protection system. Denies access to unauthorized users via hard key and password. Divides disk into private access areas for each authorized user. Provides FDISK and FORMAT protect, direct disk access control, on-line data encryption, virus protection, and secure directories, disassembly protected.

Part 2. IOV Adapters — Listings by Category

Security/Encryption (Continued)

COMPANY: ERACOM Pty Ltd ADDRESS: 28 Greg Chappell Drive Burleigh Heads, Queensland 4220 AUSTRALIA PHONE: 61-(0)75-934-911 FAX: 61-(0)75-934-388	ADAPTER NAME: MC SLAVE ENCRYPTOR SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 000F BUS MASTER: NO AVAILABLE: 10/89 DESCRIPTION: Encryption subsystem with secure key storage. Provides automatic disk encryption (conditional), programming interface, user access control and authentication, one synchronous/asynchronous port and one asynchronous port. Utilities and drivers for DOS and OS/2* computer software.
COMPANY: Excel Data S.A. ADDRESS: Pedro Teixeira 8 - 4 planta 28020 Madrid SPAIN PHONE: 34-1-556-1941 FAX: 34-1-556-8791	ADAPTER NAME: Excel Mar-10 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 61B6 BUS MASTER: NO AVAILABLE: 5/91 DESCRIPTION: Security card performs access control to PS/2* computer, fast hard or soft DES encryption, own protected time base. Security based on smart card technology (key generation, authentications), implements an on-board smart card reader (ISO 7816-3).
COMPANY: Fast Electronic GmbH ADDRESS: Landsberger Strasse 76 8000 Muenchen FEDERAL REPUBLIC OF GERMANY PHONE: 49-089-539-800-0 FAX: 49-089-502-06-266	ADAPTER NAME: Hardlock on Card for IBM* PS/2* Computers SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6769 BUS MASTER: NO AVAILABLE: 5/91 DESCRIPTION: Software protection device based on an ASIC chip, ideal for those wishing to have the protection unit internal to the PS/2* computer. It is reliable, flexible, programmable via our Crypto Programmer Card, enabling you to customize your hardlocks.
COMPANY: Fischer International Systems Corp. ADDRESS: 4073 Merchantile Avenue Naples, FL 33942 U.S.A. PHONE: 1-813-643-1500 / 1-800-237-4510 FAX: 1-813-643-6357	ADAPTER NAME: Watchdog Armor SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - YES POS ID: 6F99 BUS MASTER: NO AVAILABLE: 7/91 DESCRIPTION: Watchdog Armor provides control of system booting, a secure clock and data encryption using a high speed DES processor. Used with Watchdog PC data security system.
COMPANY: Goerlitz Computerbau GmbH ADDRESS: P.O. Box 852 Trierer Strasse 59 D-5400 Koblenz FEDERAL REPUBLIC OF GERMANY PHONE: 49-261-2044 FAX: 49-261-27500	ADAPTER NAME: PCSS SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6FAC BUS MASTER: NO AVAILABLE: 2/91 DESCRIPTION: Intelligent I/O adapter with interface for card reader (magnetic or chip) and special security BIOS. Used in combination with security menu as access control and log.
COMPANY: Jones Futurex Inc. ADDRESS: 10933 Trade Center Drive Rancho Cordova, CA 95670 U.S.A. PHONE: 1-916-635-3972 / 1-800-251-5112 FAX: 1-916-635-0515	ADAPTER NAME: Encryptor 526 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6161 BUS MASTER: NO AVAILABLE: 9/88 DESCRIPTION: The first DES encryption board for the IBM* PS/2* computer Micro Channel* bus architecture. This device offers data encryption, message authentication, electronic key management and a tamper resistant enclosure. In addition to security, compatibility with IBM SDLC communications is provided.

Part 2. IOV Adapters — Listings by Category

Security/Encryption (Continued)

COMPANY: Okioq Data Ltd.
ADDRESS: 3945 St. Martin West
Laval (Montreal), Quebec H7T 1B7
CANADA
PHONE: 1-514-681-1681
FAX: 1-514-681-1682

ADAPTER NAME: RAC/M™ II
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 67DF
BUS MASTER: NO
AVAILABLE: 6/89
DESCRIPTION: Security management system for PS/2* computers that provides access control, user transparent DES encryption, API, secure key storage and audit trail, disk partitioning, key and password management, user authentication, financial application services x9.9, x9.17, x9.23, x9.26, EDI support to FBSS, LAN, Centralized Management, Branch Manager to manage user's access/security parameters to more than 10,000 PCs from one server.

ADAPTER NAME: RAC/M™ IX
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 0063
BUS MASTER: YES
AVAILABLE: 8/91
DESCRIPTION: Intelligent cryptographic adapter designed for zero maintenance, RAM based architecture no EPROMs, high speed DES encryption, user authentication, transparent disk encryption, access control, API, secure key storage and audit trail, key and password management, financial application services x9.9, x9.17, x9.23, x9.26, EDI, support to FBSS, LAN, centralized management, Branch Manager.

COMPANY: PDTS Ges.m.b.H.
ADDRESS: Rainergasse 1/3
A-1040 Vienna
AUSTRIA
PHONE: 43-1-505-90-90
FAX: 43-1-505-90-903

ADAPTER NAME: MULTIKEY
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 61D5
BUS MASTER: NO
AVAILABLE: 8/91
DESCRIPTION: Processor board for security software on PS/2* computers with an interface for 2 BULL™ smart card readers. The board prevents booting without smart card and provides a data interface from DOS or OS/2* computer software to the smart card.

COMPANY: Philips - TRT
ADDRESS: 4-16 avenue du General Leclerc
Fontenay-aux-Roses 92260
FRANCE
PHONE: 33-1-47-02-63-20
FAX: 33-1-47-02-28-10

ADAPTER NAME: PE 117 Smart Card Security Device
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6A4A
BUS MASTER: NO
AVAILABLE: 12/90
DESCRIPTION: Smart Card Acceptor Device (CAD) Adapter including Boot Control Facility via a DES-based Security Microcircuit (PSMC). Extra serial port available. Operator authentication at power-on by PSMC. Internal CAD fitting into floppy disk rack.

COMPANY: Racal-Datacom
ADDRESS: Landata House, Station Road
Hook, Hampshire RG27 9PE
UNITED KINGDOM
PHONE: 44-256-763-911
FAX: 44-256-760-042

ADAPTER NAME: Security Module
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6A99
BUS MASTER: NO
AVAILABLE: 5/91
DESCRIPTION: High-speed DES or Racal proprietary algorithms (RSA option). Tamper resistant (single Micro Channel* bus slot). ISO key management (also X9.24 transaction key scheme). WatchWord access control. Smart card and serial interfaces. Floppy disk boot protection. Customizable command set.

COMPANY: SAFEWARE Ges.m.b.H.
ADDRESS: Magerweg 35
A-4030 Linz
AUSTRIA
PHONE: 43-0732-30-16-30-400
FAX: 43-0732-30-16-30-75

ADAPTER NAME: Safe-Board for the IBM* Micro Channel* Architecture
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 584A
BUS MASTER: NO
AVAILABLE: 10/89
DESCRIPTION: Features: transparent device/file encryption; high speed multitasking DES chip; security controller; on-board smart-card; external card reader interface; boot security extension; 8KB memory window; 7 int. levels. Applications: banking, program security, authentication, digital signature, network security, electronic mailing and more available.

Part 2. IOV Adapters — Listings by Category

Serial Port

COMPANY: ACKSYS
ADDRESS: 5, rue du Stade
BP 80
78302 Poissy Cedex
FRANCE
PHONE: 33(1)-39-11-62-81
FAX: 33(1)-39-11-47-96

ADAPTER NAME: MCC/II-16
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 6AF2
BUS MASTER: NO
AVAILABLE: 6/89
DESCRIPTION: Serial communication co-processor with Intel™ 16MHz 80188 and 512KB memory; 16 async or 15 async and 1 sync channels; RS422, RS485 20ma current loop and V23 modem daughter board are available. (Drivers available for Microsoft™ DOS, UNIX™ and OS/2* computer software.)

ADAPTER NAME: MCC/II-8
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 6AF2
BUS MASTER: NO
AVAILABLE: 6/89
DESCRIPTION: Serial communication co-processor with Intel™ 16MHz 80188 and 512KB memory; 8 asynchronous or 7 async plus 1 synchronous; RS422, RS485 20ma current loop adapters available; modem daughter board also available. (Drivers available for Microsoft™ DOS, UNIX™ and OS/2* computer software.)

ADAPTER NAME: UNX550/II-4
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6AF0
BUS MASTER: NO
AVAILABLE: 1/89
DESCRIPTION: 4 port serial communication adapter with FIFO based on 16550 ACE; IBM 4 port adapter emulation. RS422, RS485 and 20ma current loop adapters available.

ADAPTER NAME: UNX550/II-8
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6AF1
BUS MASTER: NO
AVAILABLE: 1/89
DESCRIPTION: 8 port serial communication adapter with FIFO based on 16550 ACE; IBM 4, 7 and 8 port adapter emulation. RS485, RS422 and 20ma current loop adapters are available.

ADAPTER NAME: UNX/II-4
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6AEE
BUS MASTER: NO
AVAILABLE: 1/89
DESCRIPTION: 4 port serial communication adapter based on 16450 ACE; IBM* 4 port adapter emulation. RS422, RS485 and 20ma current loop adapters are available.

ADAPTER NAME: UNX/II-8
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6AEF
BUS MASTER: NO
AVAILABLE: 1/89
DESCRIPTION: 8 port serial communication adapter based on 16450 ACE; IBM* 4, 7 and 8 port adapter emulation. RS422, RS485 and 20ma current loop adapters are available.

COMPANY: Addi Data GmbH
ADDRESS: Daimlerstrasse 2
Buhl 7580
FEDERAL REPUBLIC OF GERMANY
PHONE: 49-7223-270-27
FAX: 49-7223-303-20

ADAPTER NAME: Addicom MA 760
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6ABD
BUS MASTER: NO
AVAILABLE: 1/89
DESCRIPTION: 4 RS232 (V24), 4 RS422, 4 20mA current loop. Functions selectable over jumpers, full duplex. Supports interrupts. Basis address range adjustable per soft, 50 to 56,000 baud. 37-pole MIN-D pin connector to the peripheral equipment.

Neotech makes a variety of communication adapters for Micro Channel® bus-based machines that can add flexibility to your system.

Our DP/1 Dual Parallel Adapter gives you two parallel ports on one card, letting you connect two printers from a single slot.

The MS/4 Four Port Serial Adapter allows you to connect up to four RS-232 serial devices to a

single PC or file server.

And our S/485 Adapter gives you RS-485 or long distance RS-422 serial communications from a single half card.

All Neotech adapters conform to published Micro Channel specifications. Installation is software-driven and simple. And all Neotech boards are backed by our 5-year warranty.

Check the Neotech listing for

the specs on the DP/1, MS/4, S/485, and our other adapters for the Micro Channel bus. If you need something you don't see, give us a call and we'll make it for you.

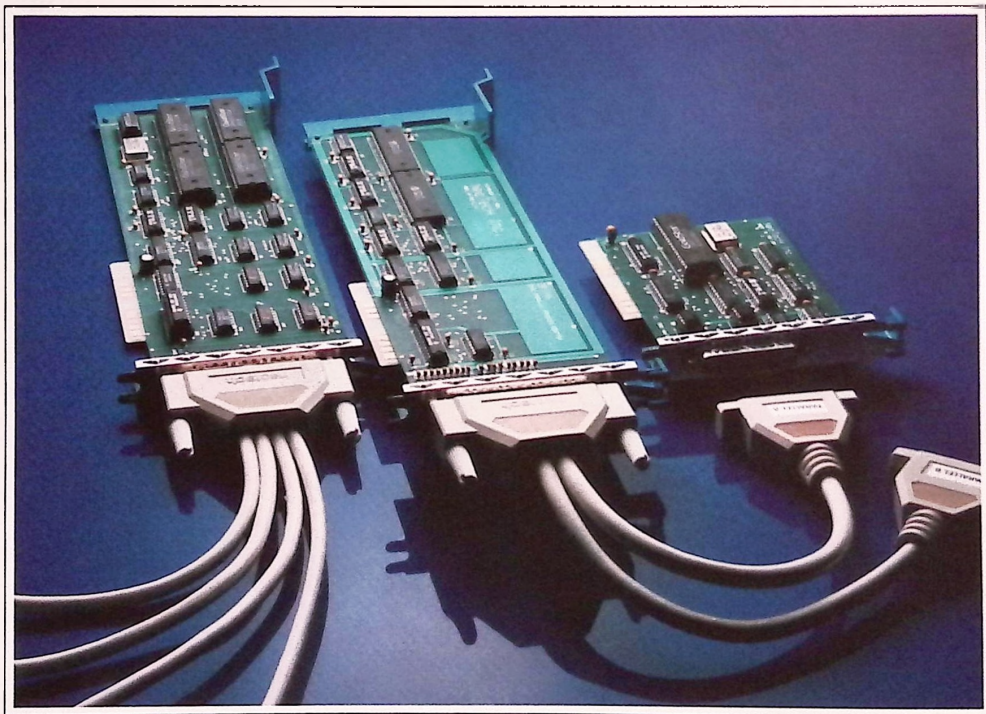
neotech

30295 Solon Industrial Parkway
Solon, OH 44139

800-552-1552 FAX 216-248-5701

Neotech is a reseller of products for the IBM® Micro Channel Architecture.
IBM and Micro Channel are registered trademarks of International Business Machines Corp.

Neotech adapters for Micro Channel Architecture Parallel, serial, versatile



Part 2. IOV Adapters — Listings by Category

Serial Port (Continued)

COMPANY: Advanced Microcomputer Systems, Inc. ADDRESS: 1321 NW 65th Place Fort Lauderdale, FL 33309 U.S.A. PHONE: 1-305-975-9515 / 1-800-972-3733 FAX: 1-305-975-9698	ADAPTER NAME:	Extended Serial Port	
	SUPPORTS:	PS/2 - YES	RISC System/6000 - NO
	POS ID:	5078	
	BUS MASTER:	YES	
	AVAILABLE:	1/90	
	DESCRIPTION:	Intelligent extended serial port conforms to ESP specifications proposed by Hayes.	
<hr/>			
	ADAPTER NAME:	i.C.C.	
	SUPPORTS:	PS/2 - YES	RISC System/6000 - NO
	POS ID:	5078	
	BUS MASTER:	NO	
	AVAILABLE:	8/88	
	DESCRIPTION:	80186-based communication controller with 8 serial (asynchronous/synchronous) ports and 256K RAM.	
<hr/>			
	ADAPTER NAME:	IOSIX-2	
	SUPPORTS:	PS/2 - YES	RISC System/6000 - NO
	POS ID:	5101	
	BUS MASTER:	NO	
	AVAILABLE:	7/88	
	DESCRIPTION:	I/O adapter card. Four serial ports. Easy configurability as COM2 through COM8 serial port. Comes with OS/2* computer software communication driver which supports up to 8 serial ports.	
<hr/>			
	ADAPTER NAME:	MIO-20	
	SUPPORTS:	PS/2 - YES	RISC System/6000 - NO
	POS ID:	5101	
	BUS MASTER:	NO	
	AVAILABLE:	7/88	
	DESCRIPTION:	I/O adapter card. Two serial ports. Easy configurability as COM2 through COM8. Comes with OS/2* computer software communication driver which supports up to 8 serial ports.	
<hr/>			
	ADAPTER NAME:	Multi-Serial-8	
	SUPPORTS:	PS/2 - YES	RISC System/6000 - NO
	POS ID:	6202	
	BUS MASTER:	NO	
	AVAILABLE:	1/91	
	DESCRIPTION:	Eight RS-232 compatible serial ports. The serial port has 16 bytes deep FIFO which allows it to communicate at higher baud rate.	
<hr/>			
COMPANY: Alloy Computer Products, Inc. ADDRESS: 165 Forest Street Marlborough, MA 01752 U.S.A. PHONE: 1-508-481-8500 / 1-800-544-7551 FAX: 1-508-624-5115	ADAPTER NAME:	IMP2/PS	
	SUPPORTS:	PS/2 - YES	RISC System/6000 - NO
	POS ID:	7047	
	BUS MASTER:	NO	
	AVAILABLE:	3/89	
	DESCRIPTION:	The Intelligent Multiuser Port-2/PS for IBM* PS/2* computers is a two user I/O controller designed to work with Alloy MW386 operating system. With one IMP2/PS and MW386, a Model 70 or 80 becomes a three user system. Additional users may be added.	
<hr/>			
	ADAPTER NAME:	IMP8/PS	
	SUPPORTS:	PS/2 - YES	RISC System/6000 - NO
	POS ID:	7046	
	BUS MASTER:	NO	
	AVAILABLE:	3/89	
	DESCRIPTION:	An 8-user I/O controller incorporated in the Alloy 386/MultiWare System. With one IMP8/PS and MW386 installed, a Model 70 or 80 can become a powerful multiuser, multitasking system. Additional users may be added.	

Part 2. IOV Adapters — Listings by Category

Serial Port (Continued)

COMPANY: Arnet Corporation
ADDRESS: 618 Grassmere Park Drive
Suite 6
Nashville, TN 37211
U.S.A.
PHONE: 1-615-834-8000 / 1-800-366-8844
FAX: 1-615-834-5399

ADAPTER NAME: ClusterPort/S™
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6D77
BUS MASTER: NO
AVAILABLE: 9/91
DESCRIPTION: Workgroup concentrator. Supports up to 128 serial I/O ports through a single expansion slot and 512 per system at transmission rates up to 57.6K baud. Consists of one host adapter in the host PC, an external power supply and an RS-422 link supporting up to 8 16-port concentrator boxes located as far as 4,000' from the host. Features SurgeBlock; DB-25 or RJ-45 connections; synchronous modem support and built-in fault tolerant features.

ADAPTER NAME: MultiPort™/2
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6FF0
BUS MASTER: NO
AVAILABLE: 6/88
DESCRIPTION: MultiPort™/2 provides eight serial ports which add multiuser capability to PS/2™ computers with Micro Channel™ bus. These boards allow connection of terminals, printers and modems and are compatible with all popular multiuser operating systems.

ADAPTER NAME: SmartPort™ Plus/2
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6361
BUS MASTER: NO
AVAILABLE: 10/88
DESCRIPTION: The Arnet SmartPort™ Plus/2 serial port boards add multiuser capability to Micro Channel™ bus-based PS/2™ computers. 8, 16, 24 and 32 ports allow connection of terminals, printers and modems to the host computer. These boards are compatible with all popular multiuser operating systems.

COMPANY: Blue Chip Technology
ADDRESS: Hawarden Industrial Park
Manor Lane
Deesie, Clwyd CH5 3PP
UNITED KINGDOM
PHONE: 44-(0)244-520-222
FAX: 44-(0)244-531-043

ADAPTER NAME: MC-SIO-4 Serial Input/Output Communications Card
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6AC6
BUS MASTER: NO
AVAILABLE: 1/90
DESCRIPTION: The MC-SIO-4 card allows serial communications between computers, printers, plotters, screen, PID controllers, instruments and any other device with a serial interface. All four ports are link selectable as either RS232, RS422/485 (full duplex, half duplex, multi-drop) or 20mA current loop. This gives compatibility with most standard serial interchange formats. The channels may be configured individually to appear as COM1 or COM2.

COMPANY: Brain Boxes
ADDRESS: Unit 3G, Wavertree Technology Park
Wavertree Boulevard South
Liverpool L7 9PF
UNITED KINGDOM
PHONE: 44-051-220-2500/7190
FAX: 44-051-252-0446

ADAPTER NAME: PS 8 Port Serial
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6A1A
BUS MASTER: NO
AVAILABLE: 8/90
DESCRIPTION: Full size 8-port serial card fitting any Micro Channel™ bus slot. Providing 8 industrial standard RS232 asynchronous serial communication using + - 12 volt logic levels, distances up to 50 or 100 feet at speeds up to 20,000 bits per second. Compatible with all communication packages. Complete with octopus cable terminating in standard 25-pin male D connector. Drivers for DOS and SCO™ UNIX™ software included.

COMPANY: Chase Research PLC
ADDRESS: Cedarwood, Chineham Business Park
Basingstoke RG24 0WD
UNITED KINGDOM
PHONE: 44-(0)256-52260
FAX: 44-(0)256-810-159

ADAPTER NAME: Chase PS16 Intelligent Serial I/O Subsystem
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5825
BUS MASTER: NO
AVAILABLE: 6/88
DESCRIPTION: 16-port intelligent serial I/O subsystem, 12.5MHz 80186 processor, 64KB ROM, 128KB RAM (0 wait states), 50-38.4K baud, 16-bit bus, sustained O/P rate 19,200 baud. Support for 7/8 bit ASCII terminals and Hayes™ compatible modems. Downloadable code option.

Part 2. IOV Adapters — Listings by Category

Serial Port (Continued)

COMPANY: Chase Research PLC
ADDRESS: Cedarwood, Chineham Business Park
Basingstoke RG24 0WD
UNITED KINGDOM
PHONE: 44-(0)256-52260
FAX: 44-(0)256-810-159

ADAPTER NAME: Chase PS4 Intelligent Serial I/O Subsystem
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5822
BUS MASTER: NO
AVAILABLE: 6/88
DESCRIPTION: 4-port serial intelligent I/O subsystem, with 8MHz 80186 processor, 64KB ROM, 32KB RAM (2 wait states) 50 to 38.4K baud 16-bit bus. Sustained O/P rate 9,600 baud. Support for 7/8 bit ASCII terminals and Hayes™ compatible modems.

ADAPTER NAME: Chase PS4 + Serial Intelligent I/O Subsystem
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5823
BUS MASTER: NO
AVAILABLE: 6/88
DESCRIPTION: 4-port serial intelligent I/O subsystem, with 8MHz 80186 processor, 64KB ROM, 128KB RAM (0 wait states), 50-38.4K baud, 16-bit bus, sustained O/P rate 38.4K baud, support for 7/8bit ASCII terminals, extended RS232 signal support for dumb / Hayes™ compatible modems.

ADAPTER NAME: Chase PS8 Intelligent Serial I/O Subsystem
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5824
BUS MASTER: NO
AVAILABLE: 6/88
DESCRIPTION: 8-port serial I/O subsystem, 12.5MHz 80186 processor, 64KB ROM, 128KB RAM (0 wait states) 50-38.4K baud, 16-bit bus, sustained O/P rate 19,200 baud, support for 7/8 bit ASCII terminals and Hayes™ compatible modem. Downloadable code option.

COMPANY: Computer Elektronik Infosys of
America, Inc. (CEI)
ADDRESS: 512-A Herndon Parkway
Herndon, VA 22070
U.S.A.
PHONE: 1-703-435-3800 / 1-800-322-3464
FAX: 1-703-435-5129

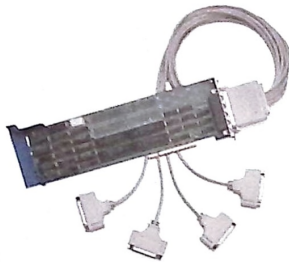
ADAPTER NAME: MICROPORT-2S
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6321
BUS MASTER: NO
AVAILABLE: 4/89
DESCRIPTION: Serial port board providing 2 RS232 ports with DB-9 connectors. Ports addressable as COM2 and COM3. Supports interrupt sharing. Can be set to 16 different addresses and up to 5 different interrupts. Can communicate up to 56K baud with provided software driver. Operates fully under DOS and OS/2™ computer software.

COMPANY: Computone Corporation
ADDRESS: 1100 Northmeadow Parkway
Suite 150
Roswell, GA 30076
U.S.A.
PHONE: 1-404-475-2725 / 1-800-241-3946
FAX: 1-404-664-1410

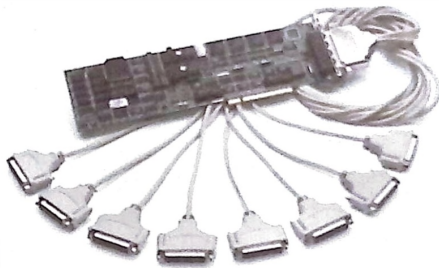
ADAPTER NAME: IntelliPort™ Cluster Controller PSCC and C16 Remote Cluster
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 61FD
BUS MASTER: NO
AVAILABLE: 6/89
DESCRIPTION: Intelligent I/O Cluster Controller which converts an IBM® PS/2™ computer into a multuser host, supporting up to 64 asynchronous ports from a single slot via four C16s (remote 16-port boxes, each with their own 80186 processor). C16s may be up to 2,500 feet from host PS/2. Drivers are available for XENIX™, UNIX™, AIX™, PC/MOS, Concurrent DOS, VPIx, SUN OS and other computer software.

ADAPTER NAME: Intelliport II™ MC 8
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 61F2
BUS MASTER: NO
AVAILABLE: 3/92
DESCRIPTION: Intelligent I/O board with 8 asynchronous high speed ports, 128K RAM (256K optional), 16 MHz 80C186, and I/O mapped FIFO architecture. Provides baud rates from 50-115,200 for terminals, printers, modems and other serial devices. Drivers available for XENIX™, UNIX™, AIX™, Concurrent Control DOS, DRI.DOS, DOS, VPIx, and other computer software.

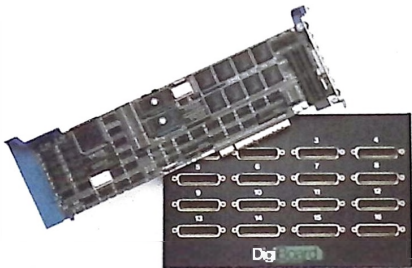
For 4 to 64 ports, we have your Micro Channel[®] connection.



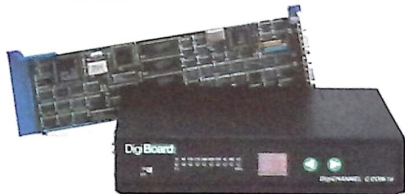
DigiCHANNEL MC X. 4 or 16 asynchronous RS-232 channels, each with full modem control. Ideal for serial ports that don't require on-board processing.



DigiCHANNEL MC Xi. 4 or 8 asynchronous channels with RS-232 or RS-122 support. 12.5 MHz 80186 processor. 256K RAM. For multitanuous applications that demand speed, configuration flexibility and programmability.



DigiCHANNEL MC/16i. Similar to MC/Xi, but connects up to 16 asynchronous channels via a single slot. 12.5 MHz 80186 processor. 256K RAM. A top performer, it maximizes the processing power of your host CPU by offloading I/O tasks.



DigiCHANNEL C/X System. Connects up to 64 users to the Host Adapter Card via up to 4 intelligent DigiCHANNEL C/CON-16 concentrator bases. Provides 38.4KB performance for all 64 users.

Increase your Micro Channel system's connectivity with DigiCHANNEL. Industry tests prove DigiCHANNEL boards are unsurpassed in performance and reliability, whatever your operating system—AIX[®] to XENIX. So call today. Ask about our DigiCHANNEL 30-Day No-Risk Trial Offer.

DigiBoard
Connectivity Solutions from Dig International

DigiBoard U.S.A. (800) 344-4273 • (612) 943-8020 • FAX (612) 943-5396 • European Sales Office: TEL 49 2203 14 880 • FAX 49 2203 13 875
© 1991 Digi International Inc. All rights reserved. All other brand names and product names are trademarks or registered trademarks of their respective holders.
AIX and Micro Channel are registered trademarks of the IBM Corporation. GSA Schedule #G500R90AC85138

Part 2. IOV Adapters — Listings by Category

Serial Port (Continued)

COMPANY: Computone Corporation
ADDRESS: 1100 Northmeadow Parkway
Suite 150
Roswell, GA 30076
U.S.A.
PHONE: 1-404-475-2725 / 1-800-241-3946
FAX: 1-404-664-1410

ADAPTER NAME: Intelliport II™ MC EX
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 61F3
BUS MASTER: NO
AVAILABLE: 4/92
DESCRIPTION: Intelligent I/O board expandable from 8 to 64 asynchronous high speed ports. 512K RAM, 20 MHz 80C186, and I/O mapped FIFO architecture. Provides baud rates from 50-115,200 for terminals, printers, modems and other serial devices. Drivers available for XENIX™, UNIX™, AIX™, Concurrent Control DOS, DRI.DOS, DOS, VPIx and other computer software.

ADAPTER NAME: Intelliport II™ MC EXF
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 61F3
BUS MASTER: NO
AVAILABLE: 4/92
DESCRIPTION: Intelligent I/O board with 16 asynchronous high speed ports. 512K RAM, 20 MHz 80C186, and I/O mapped FIFO architecture. Provides baud rates from 50-115,200 for terminals, printers, modems and other serial devices. Drivers available for XENIX™, UNIX™, AIX™, Concurrent Control DOS, VPIx, DRI.DOS, DOS, and other computer software.

ADAPTER NAME: IntelliPort™ PS16
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 617E
BUS MASTER: NO
AVAILABLE: 1/90
DESCRIPTION: Intelligent I/O board with 16 high speed asynchronous ports. 64K RAM, and a 12.5MHz 80186 processor. Provides high-speed RS-232 communications for terminals, printers, modems and other devices attached to IBM® PS/2® computers. Drivers available for XENIX™, UNIX™, AIX™, PC/MOS, VPIx, Concurrent DOS, SUN OS, and other computer software.

ADAPTER NAME: IntelliPort™ PS8
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 617E
BUS MASTER: NO
AVAILABLE: 1/88
DESCRIPTION: Intelligent I/O board with 8 asynchronous high speed ports, 64K RAM, and a 10MHz 80186 processor. Provides high-speed RS-232 communications for terminals, printers, modems, and other serial devices attached to IBM® PS/2® computers. Drivers available for XENIX™, UNIX™, AIX™, PC/MOS, Concurrent DOS, VPIx, SUN OS and other computer software.

ADAPTER NAME: Rapport™ PS6
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 616E
BUS MASTER: NO
AVAILABLE: 4/90
DESCRIPTION: Intelligent RISC based I/O board with 6 high speed asynchronous ports and an inboard 10MHz RISC processor. This low cost, high performance "new generation" product uses application specific technology to achieve high throughput with very low CPU overhead. Utilizes an architecture that does not need a typical memory address — an excellent choice for computers with memory caching.

COMPANY: Control Corporation
ADDRESS: A Control Systems Company
2675 Patton Road
St. Paul, Minnesota 55113
U.S.A.
PHONE: 1-612-631-7654 / 1-800-926-6876
FAX: 1-612-631-8117

ADAPTER NAME: Hostess 550/MC 16 Port
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6162
BUS MASTER: NO
AVAILABLE: 10/90
DESCRIPTION: Non-intelligent serial controller. Connect multiple terminals, printers and other peripherals to PS/2® computers. 16550 UARTS for buffering data. RS-232, 422, 485 and current loop interfaces; DB9 and 25, RJ45 connectors. DOS, UNIX™, OS/2™ and other computer software compatible.

Part 2. IOV Adapters — Listings by Category

Serial Port (Continued)

COMPANY: Control Corporation
ADDRESS: A Control Systems Company
2675 Patton Road
St. Paul, Minnesota 55113
U.S.A.
PHONE: 1-612-631-7654 / 1-800-926-6876
FAX: 1-612-631-8117

ADAPTER NAME: Hostess 550/MC 4 Port
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 657D
BUS MASTER: NO
AVAILABLE: 9/87
DESCRIPTION: Non-intelligent serial controller. Connect multiple terminals, printers and other peripherals to PS/2* computers. Field upgradable to 8 ports with 4-port module. 16550 UARTS for buffering data. RS-232, 422, 485 and current loop interfaces; DB9 and 25, RJ45 connectors.

ADAPTER NAME: Hostess 550/MC 8 Port
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6179
BUS MASTER: NO
AVAILABLE: 9/87
DESCRIPTION: Non-intelligent serial controller. Connect multiple terminals, printers and other peripherals to PS/2* computers. 16550 UARTS for buffering data. RS-232, 422, 485 and current loop interfaces; DB 9 and 25, RJ45 connectors. DOS, UNIX™, OS/2* and other computer software compatible.

ADAPTER NAME: Hostess i/MC 16 Port
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 616D
BUS MASTER: NO
AVAILABLE: 10/90
DESCRIPTION: Intelligent serial controller. Connect multiple terminals, printers and other peripherals to PS/2* computers. 80286 10MHz processor. 128KB dual-ported RAM. 512KB memory upgrade. 16-bit memory transfer. 32KB, 64KB, 128KB address window size. 50-38.4Kbaud serial data rate.

ADAPTER NAME: Hostess i/MC 8 Port
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 616D
BUS MASTER: NO
AVAILABLE: 10/90
DESCRIPTION: Intelligent serial controller. Connect multiple terminals, printers and other peripherals to PS/2* computers. Field upgradable to 16 ports with 8-port module. 80286 10MHz processor. 128KB dual-ported RAM. 32KB, 64KB, 128KB address window size. 50-38.4Kbaud serial data rate.

ADAPTER NAME: Hostess/MC 4 Port
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 647C
BUS MASTER: NO
AVAILABLE: 6/87
DESCRIPTION: Non-intelligent serial controller. Connect multiple terminals, printers and other peripherals to PS/2* computers. Field upgradable to 8 ports with 4-port module. 16450 UARTS. RS-232, 422, 485 and current loop interfaces; DB9 and 25, RJ45 connectors. DOS, UNIX™ and OS/2* computer software compatible.

ADAPTER NAME: Hostess/MC 8 Port
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6078
BUS MASTER: NO
AVAILABLE: 6/87
DESCRIPTION: Non-intelligent serial controller. Connect multiple terminals, printers and other peripherals to PS/2* computers. 16450 UARTS. Full modem control. RS-232, 422, 485 and current loop interfaces; DB9 and 25, RJ45 connectors. DOS, UNIX™, OS/2* and other computer software compatible.

Part 2. IOV Adapters — Listings by Category

Serial Port (Continued)

COMPANY: Connect Tech Inc. ADDRESS: 340 Woodlawn Road West Unit 20 Guelph, Ontario N1H 7K6 CANADA PHONE: 1-519-836-1291 FAX: 1-519-836-4878	ADAPTER NAME: Intellicon-MC8 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 7FCE BUS MASTER: NO AVAILABLE: 11/88 DESCRIPTION: An intelligent multiport asynchronous communications adapter that allows multiple serial devices to be connected to IBM® PS/2® computers' Micro Channel® bus. Ideal for multi-user, multi-tasking environments requiring multi-channel data collection, distribution and processing.
COMPANY: Consensys Corporation ADDRESS: 1301 Pat Booker Road Universal City, TX 78148 U.S.A. PHONE: 1-416-940-2900 / 1-800-387-8951 FAX: 1-416-940-2903	ADAPTER NAME: POWERPORTS MC 8/16/32 SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO POS ID: 66C0 BUS MASTER: NO AVAILABLE: 3/90 DESCRIPTION: The POWERPORTS card is an intelligent serial communications controller designed for AIX®, XENIX™ and UNIX™ computer software. It is expandable to 8, 16, and 32 ports. With POWER VIEW each terminal user may "hot key" between 8 sessions. No special page mode terminals are required.
COMPANY: Corollary Inc. ADDRESS: P.O. Box 18977 Irvine, CA 92713 U.S.A. PHONE: 1-714-250-4040 FAX: 1-714-250-4043	ADAPTER NAME: 8x4 MC SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 707D BUS MASTER: NO AVAILABLE: 11/89 DESCRIPTION: An intelligent 32-port serial I/O subsystem for UNIX™ and XENIX™ computer software. The 8x4 MC has an 80188 microprocessor and four 230K baud synchronous lines each of which may be connected to an 8-channel terminal concentrator with its own Z80 microprocessor and 8 UARTS. Terminal concentrators can be placed up to 1,000 feet away from the host; as more are added, the number of ports supported grows from 8 to 16 to 24 to 32.
COMPANY: Digi International, Inc. ADDRESS: 6400 Flying Cloud Drive Eden Prairie, MN 55344 U.S.A. PHONE: 1-612-943-9020 / 1-800-344-4273 FAX: 1-612-943-5398	ADAPTER NAME: DigiCHANNEL™ C/X System for IBM® Micro Channel® Architecture SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO POS ID: 6FEC BUS MASTER: NO AVAILABLE: 8/90 DESCRIPTION: Multi-channel cluster controller that allows you to connect up to eight (8) sixteen-port DigiCHANNEL™ C/CON-16 concentrator boxes to a host adapter card located in the bus. Performance of 38.4KB is available with up to 64 concurrent users and beyond. Support for UNIX™, PS/2® AIX® and AIX computer software for the RISC System/6000® POWERstations and POWERservers is available.
	ADAPTER NAME: DigiCHANNEL™ MC/Xi Series SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6FE9(RS232);6FEA(RS422);6FEB(16i) BUS MASTER: NO AVAILABLE: 2/88 DESCRIPTION: Intelligent multi-channel communications board available in either 4, 8 or 16 port versions with an optional synchronous port. Features include a 12.5MHz 80186 processor, 256KB of RAM and up to 64KB of ROM. Supports RS-232 and RS-422 communications. Drivers for Microsoft™ DOS, OS/2®, UNIX™, AIX® computer software and most multi-user operating systems.
	ADAPTER NAME: DigiCHANNEL™ MC/X Series SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6FE4(16i);6FE5(8&4);6FE6(4-RJ45) BUS MASTER: NO AVAILABLE: 9/88 DESCRIPTION: Basic multi-channel communications board available in 4, 8, or 16 port options. DB-25, RJ-45 connectors or external connection box available. Enable Microsoft™ DOS and OS/2® computer software users access to additional ports and supports UNIX™, AIX® and most other multi-user operating systems.

Part 2. IOV Adapters — Listings by Category

Serial Port (Continued)

COMPANY: DYSSA - Datos y Sistemas
Informaticos, S.A.
ADDRESS: Conde Borrell, 201, entlo.
08029 Barcelona
SPAIN
PHONE: 34-3-321-02-66
FAX: 34-3-321-08-47

ADAPTER NAME: DESMA 4/8
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6ADA
BUS MASTER: NO
AVAILABLE: 6/88
DESCRIPTION: 4/8 serial port multiplexer adapter for multi-user environment.

COMPANY: Elettronica Sillaro S.R.L.
ADDRESS: Via Meucci, 11
Castel S. Pietro Terme (BO) 40024
ITALY
PHONE: 39-51-94-06-09
FAX: 39-51-94-17-37

ADAPTER NAME: P06.030.02
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6251
BUS MASTER: NO
AVAILABLE: 5/91
DESCRIPTION: 2 serial I/O adapter with 2 asynchronous RS232 ports. Compatible with DOS and OS/2⁺ computer software.

COMPANY: Emulex Corporation
ADDRESS: 3545 Harbor Boulevard
Costa Mesa, CA 92626
U.S.A.
PHONE: 1-714-662-5600 / 1-800-368-5393
FAX: 1-714-241-0792

ADAPTER NAME: DCP-286/1MC
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 6141
BUS MASTER: NO
AVAILABLE: 4/90
DESCRIPTION: High-performance communications coprocessor. Contains 10MHz 80826 processor, up to 1MB RAM, three timer/counters, and one to eight synchronous / asynchronous serial ports. Supports full-duplex DMA. Interfaces include RS-232, RS-423, RS-422, RS-485 and Centronics[™]/Dataproducts compatible parallel port.

COMPANY: Equinox Systems Inc.
ADDRESS: 14260 SW 119 Avenue
Miami, FL 33186
U.S.A.
PHONE: 1-305-255-3500 / 1-800-275-3500
FAX: 1-305-253-0003

ADAPTER NAME: MEGAPLEX/2
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6386
BUS MASTER: NO
AVAILABLE: 4/92
DESCRIPTION: An advanced 96-port serial I/O subsystem incorporating up to 4 individual 24-port cluster multiplexers which can be connected up to 2500 feet from the host. MEGAPLEX can sustain continuous communications on all ports at 38,400 Kbps while using less than 0.5% of the host CPU per port.

ADAPTER NAME: MEGAPLEX/RS
SUPPORTS: PS/2 - NO RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 6387
BUS MASTER: NO
AVAILABLE: 4/92
DESCRIPTION: An advanced 96-port serial I/O subsystem incorporating up to 4 individual 24-port cluster multiplexers which can be connected up to 2500 feet from the host. MEGAPLEX can sustain continuous communications on all ports at 38,400 Kbps while using less than 0.5% of the host CPU per port.

Part 2. IOV Adapters — Listings by Category

Serial Port (Continued)

COMPANY: Equinox Systems Inc.
ADDRESS: 14260 SW 119 Avenue
Miami, FL 33186
U.S.A.
PHONE: 1-305-255-3500 / 1-800-275-3500
FAX: 1-305-253-0003

ADAPTER NAME: MEGAPORT/2 12CS
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6384
BUS MASTER: NO
AVAILABLE: 8/90
DESCRIPTION: An advanced 12-port serial I/O board for AIX*, UNIX™ and XENIX™ computer software with a high-performance RISC-type intelligent communication processor. MEGAPORT boards can sustain continuous full-duplex data on all ports at speeds of 38,400 bps while using less than 1% of the host CPU per port.

ADAPTER NAME: MEGAPORT/2 12LD
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6384
BUS MASTER: NO
AVAILABLE: 8/90
DESCRIPTION: A high-performance 12-port board for AIX*, UNIX™ and XENIX™ computer software which incorporates built-in line drivers and surge suppression to permit operation with devices located up to 1,000 feet away at 38.4Kbps. MEGAPORT boards use a 16MHz custom RISC-type chip to lower component cost and achieve a superior price/performance ratio.

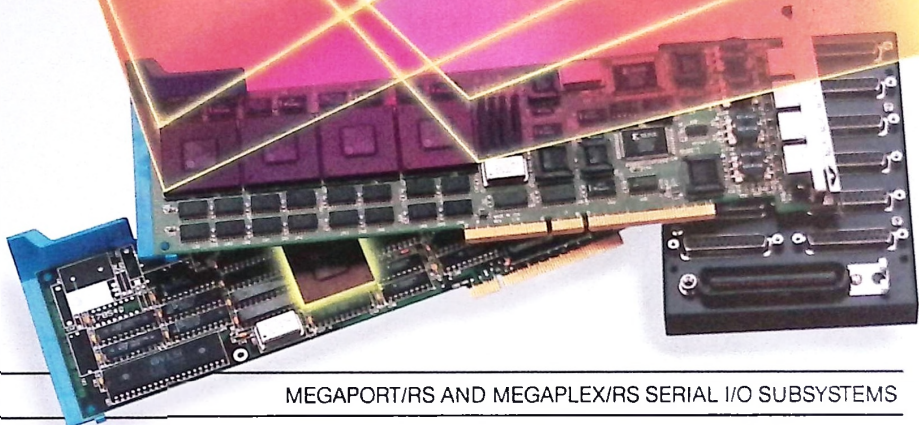
ADAPTER NAME: MEGAPORT/2 12LD + 12CS
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6384
BUS MASTER: NO
AVAILABLE: 8/90
DESCRIPTION: The MEGAPORT/2 12LD + 12CS is a high performance 24-port multiuser board for AIX*, UNIX™ and XENIX™ computer software with 12 on-board line drivers with surge suppression and 12 modem control ports. MEGAPORT boards use a 16MHz customer RISC-type intelligent processor to reduce component cost and deliver an aggregate throughput in excess of 1.8Mbps.

ADAPTER NAME: MEGAPORT/2 24CS
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6384
BUS MASTER: NO
AVAILABLE: 8/90
DESCRIPTION: An advanced 24-port serial I/O board for AIX*, UNIX™ and XENIX™ computer software with a high-performance RISC-type intelligent communication processor. MEGAPORT boards can sustain continuous full-duplex data on all ports at speeds of 38,400 bps while using less than 1% of the host CPU per port.

ADAPTER NAME: MEGAPORT/2 24LD
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6384
BUS MASTER: NO
AVAILABLE: 8/90
DESCRIPTION: A high-performance 24-port board for AIX*, UNIX™ and XENIX™ computer software which incorporates built-in line drivers and surge suppression to permit operation with devices located up to 1,000 feet away at 38.4Kbps. MEGAPORT boards use a 16MHz custom RISC-type chip to lower component cost and achieve a superior price/performance ratio.

ADAPTER NAME: MEGAPORT/RS 12CS
SUPPORTS: PS/2 - NO RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 6385
BUS MASTER: NO
AVAILABLE: 3/92
DESCRIPTION: An advanced 12-port serial I/O board for RISC System/6000* POWERstations and POWERservers with high performance RISC-type Intelligent Communications Processor. MEGAPORT boards sustain continuous full duplex communications on all ports at 38,400 Kbps while using less than 0.5% of the host CPU per port.

RISC-based serial I/O for IBM® RISC System/6000™ and PS/2® systems!



MEGAPORT/RS AND MEGAPLEX/RS SERIAL I/O SUBSYSTEMS

As the "power platform" for today's computing applications, IBM RISC System/6000 systems demand an equally powerful serial I/O solution. Equinox delivers the solution — with serial I/O subsystems providing from 12 to 96 ports per slot.

Designed exclusively for powerful multi-user AIX® applications, Equinox MEGAPORT and MEGAPLEX serial I/O products offload 99% of the serial I/O overhead from your RS/6000 host processor and deliver continuous throughput under the most stressful loads.

Equinox MEGAPORT/RS boards



All trademarks are the property of their respective owners.
IBM, RISC System/6000, PS/2 and AIX are trademarks of the IBM Corporation.

are available in 12-port and 24-port versions. For systems spread throughout large buildings or campuses, LD (long distance) models are available that provide built-in surge protection and 38.4 Kbps data rates across distances up to 3,000 feet.

For even larger systems, the MEGAPLEX/RS cluster controller is an expandable subsystem that uses up to 8 RISC-type communications processors to provide 24, 48, 72 or 96 ports from a single RS/6000 slot — at the lowest cost per port in the industry! Each 24-port MEGAPLEX cluster multiplexer can be located up to 2,500 feet from the host CPU over two unshielded twisted pairs.

All Equinox serial I/O products perform serial I/O in hardware instead of software — using our RISC-based Intelligent Communications Processors. These custom ICs provide higher reliability and guarantee continuous 38.4 Kbps full-duplex performance on all ports, without degradation. And

they use less than one half of one percent of the host CPU per port.

Other advantages are just as compelling: simple, flexible wiring options; a 99.5% out-of-the-box success rate, and a no-hassle 3-year warranty.

Your "power" system isn't complete without the "power" serial I/O solution. For all the details on MEGAPORT/RS and MEGAPLEX/RS, contact Equinox today!

30 DAY
Money-back
Guarantee

CALL
800-275-3500.

EQUINOX

14260 SW. 119 Avenue
Miami, FL 33186
800/275-3500 • 305/255-3500
FAX 305/253-0003

Part 2. IOV Adapters — Listings by Category

Serial Port (Continued)

COMPANY: Equinox Systems Inc.
ADDRESS: 14260 SW 119 Avenue
Miami, FL 33186
U.S.A.
PHONE: 1-305-255-3500 / 1-800-275-3500
FAX: 1-305-253-0003

ADAPTER NAME: MEGAPORT/RS 12LD
SUPPORTS: PS/2 - NO RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 6385
BUS MASTER: NO
AVAILABLE: 3/92
DESCRIPTION: A high performance 12-port serial I/O board for RISC System/6000* POWERstations and POWERservers which incorporates built-in line drivers and surge suppression to permit operation with devices up to 3,000 feet away at 9600 bps. MEGAPORT boards use a custom 16MHz RISC-type processor for superior price performance.

ADAPTER NAME: MEGAPORT/RS 12LD + 12CS
SUPPORTS: PS/2 - NO RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 6385
BUS MASTER: NO
AVAILABLE: 3/92
DESCRIPTION: A high performance 24-port serial I/O board for RISC System/6000* POWERstations and POWERservers. Twelve ports incorporate built-in line drivers for long distances and 12 ports provide RS-232 modem controls. MEGAPORT boards use a custom 16 MHz RISC-type processor for superior price performance.

ADAPTER NAME: MEGAPORT/RS 24CS
SUPPORTS: PS/2 - NO RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 6385
BUS MASTER: NO
AVAILABLE: 3/92
DESCRIPTION: An advanced 24-port serial I/O board for RISC System/6000* POWERstations and POWERservers with high performance RISC-type Intelligent Communications Processor. MEGAPORT boards sustain continuous full duplex communications on all ports at 38,400 Kbps while using less than 0.5% of the host CPU per port.

ADAPTER NAME: MEGAPORT/RS 24LD
SUPPORTS: PS/2 - NO RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 6385
BUS MASTER: NO
AVAILABLE: 3/92
DESCRIPTION: A high performance 24-port serial I/O board for RISC System/6000* POWERstations and POWERservers which incorporates built-in line drivers and surge suppression to permit operation with devices up to 3,000 feet away at 9600 bps. MEGAPORT boards use a custom 16MHz RISC-type processor for superior price performance.

COMPANY: Hayes Microcomputer Products, Inc.
ADDRESS: P.O. Box 105203
Atlanta, GA 30348-5203
U.S.A.
PHONE: 1-404-441-1617
FAX: 1-404-449-0087

ADAPTER NAME: Hayes™ ESP™ Dual Enhanced Serial Port for IBM™ Micro Channel™
Bus
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6F04
BUS MASTER: NO
AVAILABLE: 8/91
DESCRIPTION: Hayes™ ESP™ adapter provides a dedicated communications co-processor, data buffers, and flow control to ensure data integrity and increase data throughput performance. A Hayes ESP driver for IBM™ OS/2™ computer software allows software to take advantage of ESP's Direct Memory Access (DMA) feature.

COMPANY: IFD Ingenieurbuero fuer Datentechnik
ADDRESS: Eugenbacher Strasse 93a
Aildorf 8300
FEDERAL REPUBLIC OF GERMANY
PHONE: 49-871-32777
FAX: 49-871-34206

ADAPTER NAME: IF-450 Intelligent RS422/RS485/RS232-Interface
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6A79
BUS MASTER: NO
AVAILABLE: 12/89
DESCRIPTION: High speed RS422/485 interface with onboard microprocessor system. Additional RS232 port is independent from computers COM ports. All data transfer is handled by the on-board processor through a 32 kByte buffer. Maximum data rates RS422/485: 375,000 Baud, RS232: 76,800 Baud; high speed FIFOs for communication with Micro Channel™ architecture computers.

Part 2. IOV Adapters — Listings by Category

Serial Port (Continued)

COMPANY: Impact Technologies
ADDRESS: 6 rue de l'Acadie
91953 Les Ulis, Cedex
FRANCE

PHONE: 33-1-69-28-47-88
FAX: 33-1-69-28-84-50

ADAPTER NAME: Line Runner-S™
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6BB3
BUS MASTER: NO
AVAILABLE: 12/88
DESCRIPTION: Intelligent 8-port asynchronous communication board with BD9 or BD25 connectors. Features include a 16 MHz 80C186 processor and 512KB of RAM. Drivers available for XENIX™, UNIX™, 386/iX and Prologue computer software.

ADAPTER NAME: MOD4S
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6BC8
BUS MASTER: NO
AVAILABLE: 4/88
DESCRIPTION: Basic 4-port asynchronous communication board with DB9 or DB25 connectors. Used for small multiuser system. Drivers available for XENIX™, UNIX™, 386/iX and Prologue computer software.

COMPANY: Industrial Computer Designs, Inc.
ADDRESS: 31264 La Baya Drive
Westlake Village, CA 91362
U.S.A.

PHONE: 1-818-889-3179 / 1-800-423-3179
FAX: 1-818-889-1490

ADAPTER NAME: CSX8-PS2
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 0D0D
BUS MASTER: NO
AVAILABLE: 1/89
DESCRIPTION: Real-World™ Interface Product - 8 IEEE standard RS-232C serial ports. DOS device driver provides hardware access for most application software. Includes: DOS device drivers, configuration file and application software examples on disk.

COMPANY: Ingenieur-Buero Georg Hollmann
ADDRESS: Hainsterbachstrasse 19
D-6967 Buchen-Hainstadt
FEDERAL REPUBLIC OF GERMANY
PHONE: 49-6281-9414
FAX: 49-6281-9419

ADAPTER NAME: DS2-329
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 50F9
BUS MASTER: NO
AVAILABLE: 10/91
DESCRIPTION: RS-232 and SS-97 adapter with 8530 ser. - com. - controller.

ADAPTER NAME: DS2-654
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 50FA
BUS MASTER: NO
AVAILABLE: 10/91
DESCRIPTION: RS-232 and RS-422 adapter with 8530 ser. - com. - controller.

ADAPTER NAME: DS2-717
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 50FB
BUS MASTER: NO
AVAILABLE: 10/91
DESCRIPTION: RS-232 and RS-485 adapter with 8530 ser. - com. - controller.

ADAPTER NAME: DS2-844
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 50FC
BUS MASTER: NO
AVAILABLE: 10/91
DESCRIPTION: 2x RS-422 adapter with 8530 ser. - com. - controller.

ADAPTER NAME: DS-970
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5102
BUS MASTER: NO
AVAILABLE: 10/91
DESCRIPTION: 2x RS-485 adapter with 8530 ser. - com. - controller.

Part 2. IOV Adapters — Listings by Category

Serial Port (Continued)

COMPANY: Keithley Metrabyte ADDRESS: 440 Myles Standish Boulevard Taunton, MA 02780 U.S.A. PHONE: 1-508-880-3000 / 1-800-348-0033 FAX: 1-508-880-0179	ADAPTER NAME: uCCOM-422 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 502A BUS MASTER: NO AVAILABLE: 11/87 DESCRIPTION: A complete interface between the Micro Channel* bus and an RS-232C or RS-422 port. Features include a fully programmable serial interface port, compatibility with any standard COM port and a 56K baud transfer rate.
COMPANY: Lava Computer Mfg Inc. ADDRESS: 28A Dansk Court Rexdale, Ontario M9W 5V8 CANADA PHONE: 1-416-674-5942 FAX: 1-416-674-8262	ADAPTER NAME: ASYNC-2/A SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6180 BUS MASTER: NO AVAILABLE: 10/88 DESCRIPTION: Dual serial port adapter fully compatible with the IBM* Personal System/2* Dual Async Adapter/A. Both ports independently configurable as COM2 through COM8.
	ADAPTER NAME: RS422/A SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6183 BUS MASTER: NO AVAILABLE: 9/88 DESCRIPTION: 2-channel asynchronous serial adapter with RS-422 drivers. Each port independently configurable as COM1 through COM8.
COMPANY: Maxpeed Corporation ADDRESS: 1120 Chess Drive Foster City, CA 94404 U.S.A. PHONE: 1-415-345-5447 FAX: 1-415-345-6398	ADAPTER NAME: MC-8 Intelligent Multi-Serial Controller SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6688 BUS MASTER: NO AVAILABLE: 8/89 DESCRIPTION: Allows 8 serial terminals, modems, or printers to connect to an IBM* PS/2* computer with Micro Channel* bus while running IBM AIX*, SCO* XENIX*, Interactive 386/ix, UNIX*, Everex ESIX, PC-MOS, Concurrent DOS, THEOS, Micro Share, DOS, TSX-32 and QNX operating systems. 4 boards create a 32-user computer system comparable to a minicomputer. Supports communication speed to to 38,400 baud for each port. On-board processor and memory offload the CPU.
COMPANY: Metacomp, Inc. ADDRESS: 10989 Via Frontera San Diego, CA 92127 U.S.A. PHONE: 1-619-674-5000 FAX: 1-619-674-5005	ADAPTER NAME: PScomm2/4** SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - YES POS ID: 0F7F BUS MASTER: YES AVAILABLE: 2/89 DESCRIPTION: High-performance bus master serial I/O controller provides 2 or 4 programmable channels. Built around an 80C186 16MHz CPU, relieves host processor of overhead associated with complex communications protocols. Supports most electrical/mechanical interface standards. OS/2* computer software driver available.
	ADAPTER NAME: PSconnect** SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - YES POS ID: 0F7F BUS MASTER: YES AVAILABLE: 10/89 DESCRIPTION: Intelligent serial I/O communications subsystem supports async devices. One system card slot supports 127 eight- or sixteen-port Remote Async Concentrators (RACs). Twisted pair RJ-45 connectivity. Hub controller with fiber optic ports. Bus master interface. Drivers for IBM* AIX*, OS/2* and Microsoft** DOS 3.3 computer software are available.

Part 2. IOV Adapters — Listings by Category

Serial Port (Continued)

COMPANY: Micro Control Systems (E.M.) Ltd.
ADDRESS: Electron House, Bridge Street
Sandiacre, Nottingham NG10 5BA
UNITED KINGDOM
PHONE: 44-0602-391-204
FAX: 44-0602-391-201

ADAPTER NAME: Duo Port
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6BE6
BUS MASTER: NO
AVAILABLE: 8/88
DESCRIPTION: An intelligent interface featuring two RS-232C ports and up to 512KB of buffer memory. Drivers for OS/2* and Microsoft™ DOS computer software are available. Optional software security control system.

COMPANY: Neotech, Inc.
ADDRESS: 30295 Solon Industrial Parkway
Solon, OH 44139
U.S.A.
PHONE: 1-216-248-4114 / 1-800-552-1552
FAX: 1-216-248-5701

ADAPTER NAME: MS/2 Dual RS-232 Serial Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 678B
BUS MASTER: NO
AVAILABLE: 6/91
DESCRIPTION: Two 9-pin AT* bus style RS-232 serial I/O ports with full modem control. Each port individually configurable as COM1-8 interrupt 3, 4, 7 or 9.

ADAPTER NAME: MS/2 Dual Serial Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 678B
BUS MASTER: NO
AVAILABLE: 2/92
DESCRIPTION: The MS/2 provides two RS/232 ports via two nine-pin connectors on the adapter option retaining bracket. Full modem control signals are available for both ports.

ADAPTER NAME: MS/4 Four-Port Serial Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6780
BUS MASTER: NO
AVAILABLE: 9/88
DESCRIPTION: Basic serial RS-232 devices. Supports COM2 thru COM16. Full modem control on each channel. DB-25 connectors on pig-tail cable.

ADAPTER NAME: MS/2 Dual RS-422/485 Serial Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6784
BUS MASTER: NO
AVAILABLE: 3/89
DESCRIPTION: Dual high-speed long distance RS-422/485 serial ports. RS-422 point-to-point or RS-485 multi-drop with DB-9 connectors. Configurable as COM2/3, COM3/4, or COM4/5. Choice of interrupts 3, 4, 7 or 9.

ADAPTER NAME: MS/4RJ Four Port Serial Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6789
BUS MASTER: NO
AVAILABLE: 1/92
DESCRIPTION: The MS/4RJ provides four RS/232 serial ports. Each port supports all control signals with the exception of ring indicator. Easy connection via RJ-45 modular connectors.

ADAPTER NAME: S/485 RS-422/485 Serial Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6785
BUS MASTER: NO
AVAILABLE: 1/90
DESCRIPTION: Single high-speed long distance RS-422/485 serial port. RS-422 point-to-point or RS-485 multi-drop with DB-25 connector. COM2 or COM3 with DTR or CTS control of RS-485.

ADAPTER NAME: SS/1 Serial Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6781
BUS MASTER: NO
AVAILABLE: 9/88
DESCRIPTION: Basic serial RS-232 I/O with full modem control. COM2 or COM3, terminated in DB-25 connector.

Part 2. IOV Adapters — Listings by Category

Serial Port (Continued)

COMPANY: Opto 22
ADDRESS: 43044 Business Park Drive
Temecula, CA 92590-3665
U.S.A.
PHONE: 1-714-695-9299
FAX: 1-714-695-3095

ADAPTER NAME: AC32
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6C68
BUS MASTER: NO
AVAILABLE: 1/88
DESCRIPTION: A dual channel asynchronous communications adapter for RS422/485 communications at rates up to 38.4K baud and distances up to 5000 feet.

ADAPTER NAME: AC34
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6C67
BUS MASTER: NO
AVAILABLE: 3/88
DESCRIPTION: A single channel industrial RS422/485 asynchronous adapter for RS422/485 communications at rates up to 38.4K baud and distances up to 5000 feet. (Optical transformer isolation.)

COMPANY: Quatech, Inc.
ADDRESS: 662 Woll Ledges Parkway
Akron, OH 44311
U.S.A.
PHONE: 1-216-434-3154 / 1-800-553-1170
FAX: 1-216-434-1409

ADAPTER NAME: DS-1000
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5FE6
BUS MASTER: NO
AVAILABLE: 5/88
DESCRIPTION: Two channel asynchronous RS-232 communication adapter configurable as DCE or DTE. Features 16 possible locations and selectable interrupts.

ADAPTER NAME: DS-2000
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5FE3
BUS MASTER: NO
AVAILABLE: 3/88
DESCRIPTION: A two channel asynchronous RS-422 communication adapter. Each channel is individually programmable from 50 baud to 256K baud and the address and interrupt level are user-selectable.

ADAPTER NAME: DS-3000
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5FE3
BUS MASTER: NO
AVAILABLE: 8/88
DESCRIPTION: A two port RS-485 serial communication card. Features a programmable baud rate up to 256K baud, 16 possible base addresses and 4 possible interrupt levels.

ADAPTER NAME: ES-2000
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5FD8
BUS MASTER: NO
AVAILABLE: 11/90
DESCRIPTION: Eight-port RS422 serial communications board.

ADAPTER NAME: ES-3000
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5FD8
BUS MASTER: NO
AVAILABLE: 2/91
DESCRIPTION: Eight-port RS-485 serial communication board.

ADAPTER NAME: SCL-6100
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5FE7
BUS MASTER: NO
AVAILABLE: 11/88
DESCRIPTION: Serial communication adapter which may be configured as current loop or RS-232. Current loop supports 20, 30, or 60mA communication. Address and interrupt options. Most common use is to interface 5218 Printer to PS/2* computers.

When you need solutions, not just another board

Let a Quatech Sales Engineer
show you the value of quality,
service and support.

Quatech offers a full line
of boards for RS-232/
422/485 and Current
Loop for the Micro Chan-
nel® Bus. Full featured
adapters available in 2,
4, and 8 ports support-
ing multi-user and syn-
chronous protocols with
software drivers for
DOS, UNIX, OS/2® and
Windows. Quatech
manufactures to IBM®
Micro Channel speci-
fications.


Call

1-800-553-1170
for a free catalog

OEM and reseller
pricing available



Made in
U.S.A.

 **QUATECH**

Corporate office: (216) 434-3154, FAX (216) 434-1409, 662 Wolf Ledges Pkwy, Akron, OH 44311 U.S.A. International: Australia/Interworld Electronics 03-563-7066, Canada (Western)/Interworld VCR 604-984-4171, England/Diamond Point International 634-722-390, Finland/Lab Hitech OY 358-0-804-2522, France/Elexo 33-1-69302880, Germany/Jupiter Electronic Systems 06181/75041, Israel/RCM Ltd. 972-03-5447885, Italy/N.C.S. Computer Italia 0331/770-016, Netherlands/ACAL Auriema 040-816565 Korea/Sam Boo Enterprise Co. 02-678-7457, Spain/Santa Barbara. SA 343/203-9916. The IBM PS/2® Model 60 is pictured above. Micro Channel, OS/2, IBM and PS/2 are registered trademarks of the IBM Corporation. All other trademarks & registered trademarks are of their respective companies.

Part 2. IOV Adapters — Listings by Category

Serial Port (Continued)

COMPANY: Quatech, Inc.
ADDRESS: 662 Wolf Ledges Parkway
Akron, OH 44311
U.S.A.
PHONE: 1-216-434-3154 / 1-800-553-1170
FAX: 1-216-434-1409

ADAPTER NAME: QS-1000
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5FEC
BUS MASTER: NO
AVAILABLE: 6/88
DESCRIPTION: Four channel RS-232 serial asynchronous communication adapter card.

ADAPTER NAME: QS-2000
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5FEC
BUS MASTER: NO
AVAILABLE: 2/90
DESCRIPTION: 4-channel RS-422 serial asynchronous adapter card. Driver available for OS/2* computer software.

ADAPTER NAME: QS-3000
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5FEC
BUS MASTER: NO
AVAILABLE: 2/90
DESCRIPTION: 4-channel RS-485 serial asynchronous adapter. Driver available for OS/2* computer software.

COMPANY: Reach Technology Inc.
ADDRESS: 44790 South Grimmer Boulevard
Suite 201
Fremont, CA 94538
U.S.A.
PHONE: 1-510-770-1417
FAX: 1-510-657-5055

ADAPTER NAME: E.P.I.C. II
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6A6C
BUS MASTER: NO
AVAILABLE: 12/88
DESCRIPTION: An intelligent 8-port serial board incorporating an 80186 processor and dual-port memory. Unique feature is per port software programmable RS-232C or RS-422 interface.

COMPANY: REINSA
ADDRESS: c/ Valencia, 74 Bajos
Barcelona 08015
SPAIN
PHONE: 34-3-226-3125/6
FAX: 34-3-226-0868

ADAPTER NAME: OMNILINK 422 - 485
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6BF4
BUS MASTER: NO
AVAILABLE: 2/89
DESCRIPTION: I/O adapter card. Two serial port RS 422/485. Each port independently configurable as RS/422 or RS/485, and control signal emulation. Easy configurability as serial 1 to serial 8.

ADAPTER NAME: OMNILINK CL
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6BF4
BUS MASTER: NO
AVAILABLE: 5/89
DESCRIPTION: I/O adapter card. Two serial port 20mA current loop. Each port independently configurable as terminal active or passive and control signal emulation. Easy configurability as serial 1 to serial 8.

ADAPTER NAME: OMNILINK RS 232/C
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6BF3
BUS MASTER: NO
AVAILABLE: 12/88
DESCRIPTION: I/O adapter card. Two serial port RS 232/C. Easy configurability as serial 1 to serial 8.

COMPANY: Sealevel Systems Inc.
ADDRESS: P.O. Box 830
Liberty, SC 29657
U.S.A.
PHONE: 1-803-843-4343
FAX: 1-803-843-3067

ADAPTER NAME: MSA Multi-Serial Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 61D6
BUS MASTER: NO
AVAILABLE: 4/91
DESCRIPTION: Serial Port Adapter that can be configured as RS-232C, RS-422/485, isolated RS-422/485, 20ma current loop, or UART MIDI.

Part 2. IOV Adapters — Listings by Category

Serial Port (Continued)

COMPANY: Sorcus Computer GmbH ADDRESS: Tullastrasse 19 W-6900 Heidelberg FEDERAL REPUBLIC OF GERMANY PHONE: 49-(0)6221-302-002 FAX: 49-(0)6221-303-769	ADAPTER NAME: ML3/S SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 69E3 BUS MASTER: NO AVAILABLE: 9/91 DESCRIPTION: Up to 26 (3 x 8 + 2) RS-232, 422, 485, 20mA serial links can be provided by this intelligent adapter with on-board multitasking OS, RAM, timers, RTC and 3 micro-modules. Supports many protocols (including PLC communication). DOS and UNIX™ software drivers available.
COMPANY: SOTEC GmbH & Co. KG ADDRESS: Calwer Strasse 11 7261 Ostelsheim FEDERAL REPUBLIC OF GERMANY PHONE: 49-(0)70-33-47-01 FAX: 49-(0)70-33-44-995	ADAPTER NAME: PS SI04 Adapter SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 7803 BUS MASTER: NO AVAILABLE: 2/90 DESCRIPTION: Adapter with 4 independent asynchronous communication ports (NS16550) each line with module configurable as RS 233 / RS 422 / Current Loop.
COMPANY: Specialix, Inc. ADDRESS: 745 Camden Avenue Suite 129 Campbell, CA 95008 U.S.A. PHONE: 1-408-378-7919 / 1-800-423-5364 FAX: 1-408-378-0786	ADAPTER NAME: RIO SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6A5C BUS MASTER: NO AVAILABLE: 5/91 DESCRIPTION: Distributed intelligent I/O controller allowing up to 128 ports/add-in card (up to 512 ports per system). Using optical fibre to connect users up to 10 miles from host. Supports UNIX™, AIX™ and XENIX™ computer software.
	ADAPTER NAME: Specialix SI Family SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6B9B BUS MASTER: NO AVAILABLE: 9/88 DESCRIPTION: Range of intelligent I/O controllers allowing up to 128 users to be connected at up to 57.6K baud. Upgradeable from 4 to 128 in stages. Supports XENIX™, UNIX™, AIX™ and OS/2™ computer software.
	ADAPTER NAME: Specialix XIO™ Range SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6B9B BUS MASTER: NO AVAILABLE: 11/91 DESCRIPTION: Range of high-performance, intelligent I/O controllers allowing up to 128 users to be connected at up to 115.2K baud. Upgradeable from 8 to 128 in stages. Supports XENIX™, UNIX™, AIX™ and OS/2™ operating systems.
COMPANY: Stallion Technologies Pty Ltd ADDRESS: 56 Sylvan Road Toowong, Queensland 4066 AUSTRALIA PHONE: 61-7-870-4999 FAX: 61-7-371-8881	ADAPTER NAME: Onboard2 SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO POS ID: 6091 BUS MASTER: NO AVAILABLE: 2/89 DESCRIPTION: Communications processors supporting up to 32 serial ports per card expandable to 128 ports. Powered by a 16MHz CPU, it offloads all terminal I/O processing in an AIX™ computer software environment. Plug-on daughter boards expand functionality. The Onboard2-Sync provides X.25 co-processing on an X.25 packet-switched network; Onboard2-PDK multi-protocol co-processing supports a wide range of STREAMS-based communications protocols.

Part 2. IOV Adapters — Listings by Category

Serial Port (Continued)

COMPANY: Star Gate Technologies, Inc.
ADDRESS: 29300 Aurora Road
Solon, OH 44139
U.S.A.
PHONE: 1-216-349-1860 / 1-800-782-7428
FAX: 1-216-349-2056

ADAPTER NAME: ACL MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6FE1
BUS MASTER: NO
AVAILABLE: 10/88
DESCRIPTION: Intelligent serial communication board for the Micro Channel* bus. Allows eight serial devices to interface with the host PC using one expansion slot. Multiple boards can support up to 32 ports or users on one host PC. Board multiuser operating systems support includes AIX* computer software.

ADAPTER NAME: ACL MC16**
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 621C
BUS MASTER: NO
AVAILABLE: 1/92
DESCRIPTION: Optimum serial performance for the IBM* Micro Channel* Bus. The ACL MC16** adapter offers high-speed serial communications on all 16 channels and TransGuard** surge suppression on all signals. The highest performing product of its type for the Micro Channel bus, the 16-port board supports speeds greater than 38.4K baud simultaneously on all 16 channels; programmable to 115.2K baud.

ADAPTER NAME: MP2
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 67E0
BUS MASTER: NO
AVAILABLE: 7/88
DESCRIPTION: Multi-Protocol Expansion Board for IBM* PS/2* Model 50, 60, 70 and 80 computers. Adds 2 serial ports that are software configurable to RS-232, RS-422, or RS-485 communications. Each port can be configured individually.

ADAPTER NAME: PLUS 8 MC**
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 67F8
BUS MASTER: NO
AVAILABLE: 1/88
DESCRIPTION: Low cost asynchronous serial communication device available in four-port or eight-port configuration for the Micro Channel* bus. Multiple boards can support up to 32 ports or users on one host PC. Standard RS-232 and optional RS-422 interface.

COMPANY: STB Systems, Inc.
ADDRESS: 1651 North Glenville Road
Suite 210
Richardson, TX 75081
U.S.A.
PHONE: 1-214-234-9750 / 1-800-234-4334
FAX: 1-214-234-1306

ADAPTER NAME: Serial 2
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6FF2
BUS MASTER: NO
AVAILABLE: 9/88
DESCRIPTION: Dual serial port adapter fully compatible with IBM* Dual Async Adapter/IA. Provides two RS-232C serial ports with 9 pin DB connectors.

COMPANY: Technology Concepts Ltd
ADDRESS: Grange Estate
Cwmbran, Gwent NP44 3XR
UNITED KINGDOM
PHONE: 44-633-872-611
FAX: 44-633-872-329

ADAPTER NAME: Technology Concepts CCB
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6B9A
BUS MASTER: NO
AVAILABLE: 7/88
DESCRIPTION: Buffered serial I/O adapter available with 4 or 8 ports. The cards are buffered to allow higher throughput without system delays. Multiple cards can share a single IRQ. Drivers are available for DOS, UNIX**, AIX*, OS/2* and most popular multi-user operating systems.

Part 2. IOV Adapters — Listings by Category

Serial Port (Continued)

COMPANY: Technology Concepts Ltd
ADDRESS: Grange Estate
Cwmbran, Gwent NP44 3XR
UNITED KINGDOM
PHONE: 44-633-872-611
FAX: 44-633-872-329

ADAPTER NAME: Technology Concepts PCC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6BE2
BUS MASTER: NO
AVAILABLE: 8/88
DESCRIPTION: Intelligent high performance serial I/O controller with 4, 8 or 16 ports. 80186 processor handles all I/O processing. 0.5MB RAM on board. Memory address to the host PC is via 8K window. No IRQ or DMA used. Modem and printer support. Drivers for DOS, UNIX™, OS/2™ and AIX™ computer software and others.

ADAPTER NAME: Technology Concepts PCC/IF
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6BE2
BUS MASTER: NO
AVAILABLE: 8/88
DESCRIPTION: Expandable self-powered intelligent I/O subsystem providing 8 to 32 ports per card. 80186 processor handles all I/O processing. 0.5MB RAM on board. Memory address to the host PC is via 8K window. No IRQ or DMA used. Modem and printer support. Drivers for DOS, UNIX™, OS/2™, AIX™ computer software and others.

ADAPTER NAME: Technology Concepts PCC/MX
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6BE2
BUS MASTER: NO
AVAILABLE: 5/89
DESCRIPTION: High speed distributed I/O system. One card allows 4 clusters of 8 serial ports to be multi-dropped from twisted pair cable at long distances from the host machine. Each MX unit controls 8 serial and 1 parallel port. Drivers for DOS, UNIX™, OS/2™, AIX™ computer software and others.

COMPANY: Telindus Distribution S.A.
ADDRESS: rue de Coquelet, 134
B-5000 Namur
BELGIUM
PHONE: 32-81-23-11-10
FAX: 32-81-22-40-00

ADAPTER NAME: Begonia IMC-II
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6AB8
BUS MASTER: NO
AVAILABLE: 6/89
DESCRIPTION: Low cost sync/async communication card. Supports X.25, BSC and 3270 software.

COMPANY: The Clusterlink Corporation
ADDRESS: 8601 Georgia Avenue
Silver Spring, MD 20910
U.S.A.
PHONE: 1-301-495-2020
FAX: 1-301-495-2029

ADAPTER NAME: MultiUser Too™
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 604D
BUS MASTER: NO
AVAILABLE: 12/87
DESCRIPTION: Serial port board configurable for 2-8 RJ45 connectors. Supports 38.2KB devices. Security PAL option and daisy chaining, multiboard capability.

ADAPTER NAME: Smart Eight/2™
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 66AA
BUS MASTER: YES
AVAILABLE: 6/88
DESCRIPTION: Intelligent eight-port serial board with: C188 processor, 256K dual ported RAM, clock and boot. RJ11, RJ12, or RJ45. Multi-boards may be chained. Realtime OS & MS DOS compiler available to develop on-board applications.

Part 2. IOV Adapters — Listings by Category

Serial Port (Continued)

COMPANY: The Software Lifeline, Inc. (TSLI)
ADDRESS: Executive Court One
2295 Corporate Boulevard NW, Suite
110
Boca Raton, FL 33431
U.S.A.
PHONE: 1-407-994-4466
FAX: 1-407-994-6304

ADAPTER NAME: OCTOPORT™
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 612C
BUS MASTER: NO
AVAILABLE: 7/89
DESCRIPTION: Provides PS/2™ computers with 8 additional serial ports, each an RJ 45 Telco connection allowing end user use of inexpensive twisted pair wiring. Ships with drivers of OS/2™ computer software for use with multiuser applications, such as TSLI's Remote-OS Multiuser for OS/2, ANY-TO-ANY OS/2 to UNIX™ Product, 3270CMXT Comm Manager Extension Product and other applications requiring multiple asynch communication links. Supports 2 cards.

Serial/Parallel Port Combination

COMPANY: Advanced Microcomputer Systems, Inc.
ADDRESS: 1321 NW 65th Place
Fort Lauderdale, FL 33309
U.S.A.
PHONE: 1-305-975-9515 / 1-800-972-3733
FAX: 1-305-975-9698

ADAPTER NAME: AMS 211
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6104
BUS MASTER: NO
AVAILABLE: 12/87
DESCRIPTION: Multi I/O port, with 2 serial ports and 1 parallel port. Comes with OS/2™ computer software COMM driver which supports up to 8 serial ports.

ADAPTER NAME: Fast IO
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5075
BUS MASTER: NO
AVAILABLE: 2/91
DESCRIPTION: The card contains DMA parallel port and 16-byte deep FIFO. These features allow it to communicate at faster speed.

ADAPTER NAME: IOSIX-1
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5101
BUS MASTER: NO
AVAILABLE: 7/88
DESCRIPTION: I/O adapter card. Four serial ports and two parallel ports. Easy configurability as COM2 through COM8 serial ports and LPT1 through LPT3 parallel ports. Comes with OS/2™ computer software communication driver which supports up to 8 serial ports.

ADAPTER NAME: IOSIX-3
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5101
BUS MASTER: NO
AVAILABLE: 7/88
DESCRIPTION: I/O adapter card. Two serial ports and one parallel port. Easy configurability as COM2 through COM8 serial ports and LPT1 through LPT3 parallel ports. Comes with OS/2™ computer software communication driver which supports up to 8 serial ports.

ADAPTER NAME: IOSIX-6
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5101
BUS MASTER: NO
AVAILABLE: 7/88
DESCRIPTION: I/O adapter card. One serial port and two parallel ports. Easy configurability as COM2 through COM8 serial ports and LPT1 through LPT3 parallel ports. Comes with OS/2™ computer software communication driver which supports up to 8 serial ports.

ADAPTER NAME: MIO-11
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5101
BUS MASTER: NO
AVAILABLE: 7/88
DESCRIPTION: I/O adapter card. One serial port and one parallel port. Easy configurability as COM2 through COM8 serial ports and LPT1 through LPT3 parallel ports. Comes with OS/2™ computer software communication driver which supports up to 8 serial ports.

Part 2. IOV Adapters — Listings by Category

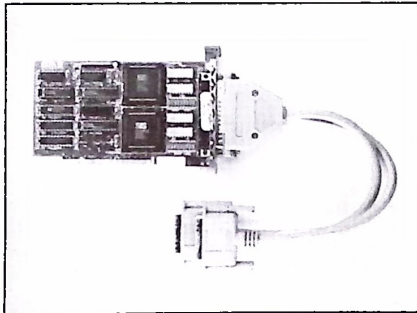
Serial/Parallel Port Combination (Continued)

COMPANY: Advanced Microcomputer Systems, Inc. ADAPTER NAME: Super IO MC
ADDRESS: 1321 NW 65th Place SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
Fort Lauderdale, FL 33309 POS ID: 60FC
U.S.A. BUS MASTER: NO
PHONE: 1-305-975-9515 / 1-800-972-3733 AVAILABLE: 11/90
FAX: 1-305-975-9698 DESCRIPTION: RS-422/RS-485/RS-232 compatible, 2 serial ports and 1 serial port.
Serial ports can be converted to current loop output port also.

COMPANY: Boca Research, Inc. ADAPTER NAME: BOCA.MCA™ Serial/Parallel
ADDRESS: 6413 Congress Avenue SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
Boca Raton, FL 33487 POS ID: 60E5
U.S.A. BUS MASTER: NO
PHONE: 1-407-997-6227 AVAILABLE: 6/88
FAX: 1-407-997-0918 DESCRIPTION: Provides two 25-pin serial ports and 1 parallel port for IBM® PS/2®
Model 50, 50Z, 55 SX, 60, 65, 70, 80 and 90 computers. BOCA.MCA™
Serial/Parallel is a half length card.

COMPANY: Brain Boxes ADAPTER NAME: PS DUAL232 + LPT
ADDRESS: Unite 3G, Wavertree Technology Park SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
Wavertree Boulevard South POS ID: 69E1
Liverpool L7 9PF BUS MASTER: NO
UNITED KINGDOM AVAILABLE: 12/90
PHONE: 44-051-220-2500/7190 DESCRIPTION: Dual RS232 serial port card. Serial port choice of COM1 to COM8.
FAX: 44-051-252-0446

SERIAL/PARALLEL INPUT/OUTPUT CARDS



Micro Channel® Bus Compatible PC XT™ and AT® Bus Compatible

Parallel Capability

- Software Configurable as LPT1, LPT2, LPT3 or LPT4
- Software Selectable Interrupts IRQ5, IRQ7 or None
- Fully Implemented POS Registers • Bi-Directional Parallel port
- Extended Parallel Port Support
- Fully Compatible as Centronics Printer Port
- Supports Scanner and Similar Type Interfaces
- Compatible with the Following Operating Systems:
DOS, OS/2®, XENIX, UNIX, AIX®, PMOS, WINDOWS
286/386, Novell Netware 286/386 and 3COM Compatible
- Ideally Suited for Print Server
- Custom Port Addresses and IRQ Settings Available

RS 232C Serial Capability

- 5, 6, 7 or 8 Bits/Character • 1, 1.5 or 2 Stop Bits • Odd or Even Parity • Programmable Baud Rate up to 256 Kbits/Sec
- Software Programmable Receive and Transmit Buffer • User Selectable Interrupt Level (IRQ3, IRQ4 or None)
- Software Configurable as COM1 through COM8 • FIFO Buffering Allows High Speed Transmission up to 38.4 KBPS without data overrun
- All of the above Boards occupy only one Expansion Slot in the computer*

ADVANCED MICROCOMPUTER SYSTEMS

1321 N.W. 65th Place • Fort Lauderdale, Florida 33309
Phone: (305) 975-9515 • Fax: (305) 975-9698

CALL TOLL FREE 1-800-972-3733

Micro Channel, AT, AT, OS/2 and AIX are trademarks of the IBM Corporation • All other trademarks are property of their respective owners.

Part 2. IOV Adapters — Listings by Category

Serial/Parallel Port Combination (Continued)

COMPANY: Brain Boxes ADDRESS: Unite 3G, Wavertree Technology Park Wavertree Boulevard South Liverpool L7 9PF UNITED KINGDOM PHONE: 44-051-220-25007190 FAX: 44-051-252-0446	ADAPTER NAME: PS DUAL 422/485 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - YES POS ID: 69E0 BUS MASTER: NO AVAILABLE: 12/90 DESCRIPTION: Dual serial RS422/485 card. Serial port assignment of COM1 to COM8. Baud rate up to 115K baud, transmission distance up to 4,000 feet, optional "serial solutions" software package.
COMPANY: Computer Elektronik Infosys of America, Inc. (CEI) ADDRESS: 512-A Herndon Parkway Herndon, VA 22070 U.S.A. PHONE: 1-703-435-3800 / 1-800-322-3464 FAX: 1-703-435-5129	ADAPTER NAME: MICROPORT-S/P SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6323 BUS MASTER: NO AVAILABLE: 4/89 DESCRIPTION: Provides one, 25-pin RS232 serial port capable of COM2 or COM3 settings and one parallel port. Supports interrupt sharing. Transmission speeds to 56K baud with provided software driver. Compatible with Centronics™ two-way, 25-pin parallel port. Half-size boards.
COMPANY: Elettronica Sillaro S.R.L. ADDRESS: Via Meucci, 11 Castel S. Pietro Terme (BO) 40024 ITALY PHONE: 39-51-94-06-09 FAX: 39-51-94-17-37	ADAPTER NAME: ES™-478 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6A94 BUS MASTER: NO AVAILABLE: 1/91 DESCRIPTION: Multifunction I/O adapter with 2 asynchronous RS232 ports, 1 parallel port and 1 game port. Compatible with DOS and OS/2™ computer software.
	ADAPTER NAME: P10.032.01 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6252 BUS MASTER: NO AVAILABLE: 5/91 DESCRIPTION: Serial, parallel I/O adapter with 1 asynchronous RS232 port and 1 parallel port. Compatible with DOS and OS/2™ computer software.
COMPANY: Hypertec Pty. Limited ADDRESS: 112-118 Talavera Road Unit 4 North Ryde, New South Wales 2113 AUSTRALIA PHONE: 61-(0)2-805-0111 FAX: 61-(0)2-805-0999	ADAPTER NAME: HYPERPORT II™ SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 72F6 BUS MASTER: NO AVAILABLE: 10/88 DESCRIPTION: A combination serial and parallel port board. It is available in two configurations - the 2-port configuration which includes 1 parallel and 1 serial port, and the 4 port version which features 1 parallel and 3 serial ports. Distribution available through Hypertec (Europe) Limited in the United Kingdom, call 44-(0)672-63936 or FAX 44-(0)672-63709 or in Belgium, call 32-2-536-8632 or FAX 32-2-536-8600.
COMPANY: Lava Computer Mfg Inc. ADDRESS: 28A Dansk Court Rexdale, Ontario M9W 5V8 CANADA PHONE: 1-416-674-5942 FAX: 1-416-674-8262	ADAPTER NAME: 2SP/A SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6186 BUS MASTER: NO AVAILABLE: 10/89 DESCRIPTION: Dual serial adapter. Parallel adapter. Serial ports configurable as COM2 through COM8. Parallel port configurable as LPT1 through LPT3.
COMPANY: Neotech, Inc. ADDRESS: 30295 Solon Industrial Parkway Solon, OH 44139 U.S.A. PHONE: 1-216-248-4114 / 1-800-552-1552 FAX: 1-216-248-5701	ADAPTER NAME: MS/4P Four Serial, One Parallel Adapter SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 678D BUS MASTER: NO AVAILABLE: 2/92 DESCRIPTION: The MS/4P provides four RS/232 serial ports with full control signals on each port. A single 25-pin parallel port is also provided. All five ports require only one slot. Connection is provided via a five connector (DB25) octopus-style cable.

Part 2. IOV Adapters — Listings by Category

Serial/Parallel Port Combination (Continued)

COMPANY: Neotech, Inc.
ADDRESS: 30295 Solon Industrial Parkway
Solon, OH 44139
U.S.A.
PHONE: 1-216-248-4114 / 1-800-552-1552
FAX: 1-216-248-5701

ADAPTER NAME: MSP/4 Four-Channel Serial + Parallel Adapter
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 678D
BUS MASTER: NO
AVAILABLE: 4/91
DESCRIPTION: Four RS-232 ports plus one parallel port on a single card. All ports terminated as DB-25 via pig-tail cable. Configurable as COM2-5 or COM6-9, and LPT2 or LPT3.

ADAPTER NAME: SPC/1A
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6783
BUS MASTER: NO
AVAILABLE: 9/88
DESCRIPTION: Serial/parallel adapter configurable under DOS or OS/2* computer software as LPT2/COM2 or LPT3/COM3. Pig-tail cable terminates in DB-25 connectors for both ports.

COMPANY: Quatech, Inc.
ADDRESS: 662 Wolf Ledges Parkway
Akron, OH 44311
U.S.A.
PHONE: 1-216-434-3154 / 1-800-553-1170
FAX: 1-216-434-1409

ADAPTER NAME: SP-1050
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5FE9
BUS MASTER: NO
AVAILABLE: 8/88
DESCRIPTION: One serial RS-232 and one parallel printer port for the Micro Channel* bus. May be configured as LPT1, LPT2, or LPT3. Serial port may be configured as COM2 through COM8.

COMPANY: REINSA
ADDRESS: c/ Valencia, 74 Bajos
Barcelona 08015
SPAIN
PHONE: 34-3-226-3625/6
FAX: 34-3-226-0868

ADAPTER NAME: OMNILINK SP
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6BF5
BUS MASTER: NO
AVAILABLE: 12/88
DESCRIPTION: I/O multifunction adapter card. One serial port RS 232/C and one parallel port. Easy configurability as serial 1 to serial 8 and parallel 1 to parallel 3. Parallel port is a standard 25-pin connector.

COMPANY: STB Systems, Inc.
ADDRESS: 1651 North Glenville Road
Suite 210
Richardson, TX 75081
U.S.A.
PHONE: 1-214-234-8750 / 1-800-234-4334
FAX: 1-214-234-1306

ADAPTER NAME: Serial/Parallel 2
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6FF1
BUS MASTER: NO
AVAILABLE: 12/88
DESCRIPTION: I/O adapter which provides one RS-232C serial port with 9 pin DB connector and one parallel port with 25 pin DB connector.

Tape Drive Attachment

COMPANY: Alloy Computer Products, Inc.
ADDRESS: 165 Forest Street
Marlborough, MA 01752
U.S.A.
PHONE: 1-508-481-8500 / 1-800-544-7551
FAX: 1-508-624-5205

ADAPTER NAME: FTF/A/MC
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 5756
BUS MASTER: NO
AVAILABLE: 8/90
DESCRIPTION: The Floppy Tape Floppy Adapter for the Micro Channel* bus is a tape controller for the Alloy external Retriever 60 and Retriever 200 tape drives, built specifically for the IBM* PS/2* computers.

COMPANY: Colorado Memory Systems
ADDRESS: 800 South Taft Avenue
Loveland, CO 80537
U.S.A.
PHONE: 1-303-669-8000 / 1-800-346-9881
FAX: 1-303-667-0997

ADAPTER NAME: TC-02M
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 50D4
BUS MASTER: NO
AVAILABLE: 6/90
DESCRIPTION: TC-02M supports the QFA-7000 backup system. TC-02M uses a hardware data compression processor chip to double data capacity while improving backup speeds up to 12MB per minute. Jumperless auto-configurable installation.

Part 2. IOV Adapters — Listings by Category

Tape Drive Attachment (Continued)

COMPANY: Colorado Memory Systems ADDRESS: 800 South Taft Avenue Loveland, CO 80537 U.S.A. PHONE: 1-303-669-8000 / 1-800-346-9881 FAX: 1-303-667-0997	ADAPTER NAME: TC-15M SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 50D2 BUS MASTER: NO AVAILABLE: 6/90 DESCRIPTION: TC-15M with hardware compression supports JUMBO 120 and 250 tape drives. Eliminates hardware incompatibility and complex cabling. Backup rates of more than 8MB per minute with JUMBO 250. Jumperless auto-configurable installation.
COMPANY: CORE International, Inc. ADDRESS: 7171 North Federal Highway Boca Raton, FL 33487 U.S.A. PHONE: 1-407-997-6055 FAX: 1-407-997-6009	ADAPTER NAME: CNT-ETP-3™ SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 5500 BUS MASTER: NO AVAILABLE: 12/88 DESCRIPTION: QIC-02 tape controller for internal tape drives. Power supply connector on board for drawing power off the bus. Certified by Novell for NetWare™ 386 or 2.15. Part of the CT 60/100™ QIC-02 backup system (100MB with extended length tape) and CT 150/250™ QIC-02 backup system (250MB with extended length tape). Software includes disk management, image, file-by-file, selective file and prescheduled unattended backup.
	ADAPTER NAME: CNT-MCF SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 5502 BUS MASTER: NO AVAILABLE: 1/90 DESCRIPTION: Tape drive adaptor supporting external COREtape Light Tape Backup/DOS Device System. Backup 300MB using data compression or use the system as a 120MB DOS device (floppy). NSTL Certified.
COMPANY: Delta Xmit GmbH ADDRESS: Carl-Reiss-Platz 7-9 W-6800 Mannheim 1 FEDERAL REPUBLIC OF GERMANY PHONE: 49-621-4108-184 FAX: 49-621-4108-135	ADAPTER NAME: DX-6600 Tape Drive Controller SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO POS ID: 69F8 BUS MASTER: NO AVAILABLE: 3/91 DESCRIPTION: Complete 1/2 inch, 9-track tape subsystem including controller for industry standard Pertec™ interface; window-oriented, multi-lingual software for DOS, IBM® OS/2® and AIX® computer software; choice of tape drive; warranty; cables; and documentation.
COMPANY: EDS Systemtechnik GmbH ADDRESS: An der Schurzelter Brücke 1 5100 Aachen FEDERAL REPUBLIC OF GERMANY PHONE: 49-0241-93899-0 FAX: 49-0241-93899-34	ADAPTER NAME: EDS 424 PCMAC Tape Drive Adapter for the IBM® PS/2® Computers SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 582F BUS MASTER: NO AVAILABLE: 4/90 DESCRIPTION: PCMAC is a high performance controller for 1/2 inch 9-track DV-Tape and 3480-Tape cartridge support units with Pertec™ or STK interface. Delivered with excellent DOS software including drivers, diagnostics and application utilities such as MBCOPY and MBKONVERT.
COMPANY: EM-Geraetebau GmbH ADDRESS: Carl-Reiss-Platz 7 - 9 6800 Mannheim 1 FEDERAL REPUBLIC OF GERMANY PHONE: 49-0621-4108-0 FAX: 49-0621-4108-135	ADAPTER NAME: 5867 for MTPC/MC SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 5867 BUS MASTER: NO AVAILABLE: 9/90 DESCRIPTION: Adapter card to drive industry compatible reel tape for file backup and data exchange purposes for PS/2® computers. Supplied with complete application software running under OS/2® computer software.

Part 2. IOV Adapters — Listings by Category

Tape Drive Attachment (Continued)

COMPANY: I.D.B. Corporation ADDRESS: 2260 Baseline Road Suite 101 Boulder, CO 80302 U.S.A. PHONE: 1-805-238-2200 FAX: 1-805-238-0803	ADAPTER NAME: DataTrac™/MTC-16 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6250 BUS MASTER: NO AVAILABLE: 6/88 DESCRIPTION: Advanced high performance multi-mode industry standard 1/2 inch magnetic tape drive controller. Available with user utilities, standard programming interface, multiple operating system driver support (DOS, OS/2™ and XENIX™ computer software) and OEM programming toolkit.
COMPANY: Innovative Data Technology ADDRESS: 5340 Eastgate Mall San Diego, CA 92121 U.S.A. PHONE: 1-619-587-0555 FAX: 1-619-587-0160	ADAPTER NAME: FAME SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 502E BUS MASTER: NO AVAILABLE: 5/88 DESCRIPTION: FAME (Fast Access Media Exchange) is a high performance 1/2 inch 9-track mag tape controller compatible with all PS/2™ computers with Micro Channel™ bus. Supports densities of 200, 556, 800, 1600, 3200, 6250 BPI. Comes with a DOS software package including drivers, diagnostics and application utilities.
COMPANY: LONGSHINE ELECTRONIC CO. ADDRESS: 6F, 245, Sec. 3, Roosevelt Road Taipei TAIWAN, Republic of China PHONE: 886-2-363-4958 FAX: 886-2-362-6810	ADAPTER NAME: QIC-02 Tape Adaptor (LCS-6818/II) SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 72FC BUS MASTER: NO AVAILABLE: 3/89 DESCRIPTION: A DMA slave type adaptor designed for tape drive with QIC-02 interface.
COMPANY: Overland Data, Inc. ADDRESS: 5600 Kearny Mesa Road Suite A San Diego, CA 92111 U.S.A. PHONE: 1-619-571-5555 / 1-800-729-8725 FAX: 1-619-571-0982	ADAPTER NAME: XL/2 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 7E76 BUS MASTER: NO AVAILABLE: 9/88 DESCRIPTION: Complete high-performance, 1/2 inch magnetic tape subsystem to read or write 9-track tape from mainframes, minis, and PCs. TapeLinX subsystem includes XL/2 controller card, tape drive, DOS, UNIX™, XENIX™, PICK computer software, choice of tape drive, cables, manual and a free reel of tape.
COMPANY: Penny & Giles Data Recorders Ltd. ADDRESS: 15 Airfield Road Christchurch, Dorset BH23 3TJ UNITED KINGDOM PHONE: 44-(0)202-481-771 FAX: 44-(0)202-484-846	ADAPTER NAME: QAR Data Replay Equipment SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 5858 BUS MASTER: NO AVAILABLE: 12/90 DESCRIPTION: The adapter provides an interface between a PS/2™ computer and a P&G Data Recovery Unit (DRU) to allow transfer of flight data from a 3M™ data cartridge for subsequent analysis (software available). (Data stored by a Q.A.R. — Quick Access Recorder — fitted on most large passenger aircraft.)
COMPANY: TDX Peripherals, Inc. ADDRESS: 80 Davids Drive Hauppauge, NY 11788 U.S.A. PHONE: 1-516-273-5900 / 1-800-842-0708 FAX: 1-516-273-6476	ADAPTER NAME: IN-330-MC SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 7C5A BUS MASTER: NO AVAILABLE: 8/89 DESCRIPTION: 9-track tape drive controller for all Micro Channel™ bus systems. Conforms to the auto-configuration specification. Full size board may be installed in any slot. Supplied with DOS installed driver which includes on-the-fly ASCII/EBBCDIC code conversion, and automatic record de-blocking.

Part 2. IOV Adapters — Listings by Category

Tape Drive Attachment (Continued)

COMPANY: TEAC America Inc. ADDRESS: 7733 Telegraph Road Montebello, CA 90640 U.S.A. PHONE: 1-213-727-7682 FAX: 1-213-727-7672	ADAPTER NAME: DC-1 Data Cassette Streamer System SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 518A BUS MASTER: NO AVAILABLE: 9/89 DESCRIPTION: 160MB data cassette tape backup system for IBM* PC AT* and PS/2* Model 50 computers. TEAC offers a complete system including drive, interface and software. Only requires 23 minutes for 160MB.
COMPANY: Tecmar ADDRESS: 6225 Cochran Road Solon, OH 44139-3377 U.S.A. PHONE: 1-216-349-1009 / 1-800-624-8560 FAX: 1-216-349-0851	ADAPTER NAME: Floppy Tape Controller for the IBM* Micro Channel* Architecture SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 5126 BUS MASTER: NO AVAILABLE: 9/90 DESCRIPTION: For use with Tecmar's MiniVault 120e™ and 250e for compatibility with IBM* PS/2* computers. The floppy interface board includes QOTOS™ software for unattended backups, file-by-file backup and restore, and mirror image backup and restore features. Operates at 500Kbps or 1000Kbps transfer rates.
	ADAPTER NAME: Host Adapter Kit for the IBM* Micro Channel* Architecture SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 5125 BUS MASTER: NO AVAILABLE: 9/88 DESCRIPTION: For use with Tecmar's QualityTape™ model QT-100e™ through QT-500e™ tape devices. Allows PS/2* computer models to use Tecmar's external tape products for unattended backups, file-by-file and mirror image backup and restore of error-corrected data.
COMPANY: AEG Modicon International ADDRESS: One High Street North Andover, MA 01845-2699 U.S.A. PHONE: 1-508-794-0800 / 1-800-848-8828	ADAPTER NAME: ModConnect MC-984 Programmable Controller, AM-0984-MCO SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6C3A BUS MASTER: NO AVAILABLE: 1/91 DESCRIPTION: MC-984 is full function 984 Programmable Controller. Controls plant equipment and performs real-time data acquisition for PS/2* computer or Industrial Computer manufacturing applications. DOS and OS/2* computer software support allows development of plant floor applications.
COMPANY: Al Alamiyah Software ADDRESS: P.O. Box 5189 H. West Code 11771 Cairo EGYPT PHONE: 202-249-4170 FAX: 202-247-7790	ADAPTER NAME: SAKHR™ Arabic ROM Card (Model AX35MC) SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6A15 BUS MASTER: YES AVAILABLE: 12/90 DESCRIPTION: The SAKHR™ adapter integrates on 3.5MB ROM an Arabic shell for PC DOS and the following multilingual programs: Presentation program, Word processor, Arabic and English spelling checkers, English/Arabic dictionary, Arabic morphological processor, mail merge, Arabic GW-BASIC shell, Hijri calendar and calculator.
COMPANY: Bus Tech, Inc. ADDRESS: 129 Middlesex Turnpike Burlington, MA 01803 U.S.A. PHONE: 1-215-540-2212 FAX: 1-617-272-0342	ADAPTER NAME: MCCA SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO POS ID: 0630 BUS MASTER: YES AVAILABLE: 1/91 DESCRIPTION: Channel adapter for IBM* Micro Channel* architecture. MCCA is a single board controller that attaches the I/O channel of an IBM System/370* or compatible mainframe to the Micro Channel bus interface. Channel speeds are 2.6MB per second - DC interlock and 3.0MB and 4.5MB per second streaming.

Part 2. IOV Adapters — Listings by Category

Uncategorized (Continued)

COMPANY: Digital Systems Corporation ADDRESS: 496 North Kings Highway Suite 201 Cherry Hill, NJ 08034 U.S.A. PHONE: 1-609-779-9008 FAX: 1-609-779-2530	ADAPTER NAME: S370 Byte Multiplexor Adapter SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO POS ID: 063F BUS MASTER: YES AVAILABLE: 3/92 DESCRIPTION: A single board adapter that attaches PS/2* computers or RISC System/6000* POWERstations or POWERservers to the byte multiplexor channel of an IBM* System/370* computer. AIX*, DOS and OS/2* computer software drivers are available which operate in conjunction with 270X host system software packages for emulation of various FEPs or Cluster Controllers. Up to 64 sub-channels are supported at multiplex rates of up to 100 kbps per second.
COMPANY: Dr. Johannes Heidenhain GmbH ADDRESS: Postfach D-8225 Traunreut FEDERAL REPUBLIC OF GERMANY PHONE: 49-08669-31691 FAX: 49-08669-5061	ADAPTER NAME: FlexK-Adapter SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6AE5 BUS MASTER: NO AVAILABLE: 2/90 DESCRIPTION: This adapter serves to adapt a special keyboard to the PS/2* computers.
COMPANY: Elographics, Inc. ADDRESS: 105 Randolph Road Oak Ridge, TN 37830 U.S.A. PHONE: 1-615-482-4100 FAX: 1-615-482-4943	ADAPTER NAME: Touchscreen Controller Model E271-2202 for Accutouch™ Touchscreen SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6253 BUS MASTER: NO AVAILABLE: 3/91 DESCRIPTION: Adapter for Elographics' resistive touch screen technology. Fully compatible with Micro Channel* bus. Runs at virtually any address on the bus. Features include: onboard scaling and calibration, integer format compatible with Intel™ processors, built in user timer and varied reporting modes including stream, point, initial touch and untouch.
COMPANY: ETen Information System Co., Ltd. ADDRESS: No. 59, Mei-Nine Street Tai-Shan Hsiang Taipei Hsien TAIWAN, Republic of China PHONE: 886-2-971-0800 FAX: 886-2-909-3807	ADAPTER NAME: ETen Chinese Font Card SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 72F7 BUS MASTER: NO AVAILABLE: 1/89 DESCRIPTION: Chinese font card to store all 13,053 Chinese characters with font resolution of both 16 x 15 and 24 x 24.
COMPANY: InfoChip Systems, Inc. ADDRESS: c/o Cyrix Corporation 2703 North Central Expressway Richardson, TX 75080 U.S.A. PHONE: 1-214-234-8387 / 1-800-447-0250 FAX: 1-214-699-9857	ADAPTER NAME: EXPANZI™ for IBM* Micro Channel* Architecture SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6175 BUS MASTER: NO AVAILABLE: 6/91 DESCRIPTION: Data compression card for IBM* Micro Channel* architecture PS/2* Model 50 computers and higher. Supports Microsoft™ and PC DOS 3.x and 4.x including Compaq DOS 3.31 operating systems.
COMPANY: Meinberg ADDRESS: Auf der Landwehr 22 D-3280 Bad Pyrmont FEDERAL REPUBLIC OF GERMANY PHONE: 49-05281-2018 FAX: 49-05281-608180	ADAPTER NAME: Funkuhr PS32 SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6AAC BUS MASTER: NO AVAILABLE: 10/89 DESCRIPTION: DCF 77 Radio Remote Clock, updates system time and date to UTC, MEZ or MEZ/MESZ in programmable intervals.
COMPANY: Micro Control Systems (E.M.) Ltd. ADDRESS: Electron House, Bridge Street Sandiacre, Nottingham NG10 5BA UNITED KINGDOM PHONE: 44-0602-391-204 FAX: 44-0602-391-201	ADAPTER NAME: Promdisk SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6BE4 BUS MASTER: NO AVAILABLE: 3/88 DESCRIPTION: A solid state disk drive with up to 3MB storage capacity, implemented using EPROM technology to provide fast, secure, reliable and silent operation. Ideal for disk intensive/industrial applications.

Part 2. IOV Adapters — Listings by Category

Uncategorized (Continued)

COMPANY: Micro Control Systems (E.M.) Ltd. ADDRESS: Electron House, Bridge Street Sandiacre, Nottingham NG10 5BA UNITED KINGDOM PHONE: 44-0602-391-204 FAX: 44-0602-391-201	ADAPTER NAME: Promdisk Programmer SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6BE5 BUS MASTER: NO AVAILABLE: 3/88 DESCRIPTION: The Promdisk Programmer provides the necessary voltages and control signals required to write programs and data onto the MCS promdisk.
COMPANY: Orsi Automazione S.p.A. ADDRESS: Corso Europa 799 16148 Genova ITALY PHONE: 39-10-35621 FAX: 39-10-380309	ADAPTER NAME: KBD8/MC SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6A08 BUS MASTER: NO AVAILABLE: 6/91 DESCRIPTION: Dedicated keyboard interface for industrial application. It controls 1 or 2 proprietary keyboards (KBD2).
COMPANY: Ponsor Corporation ADDRESS: 6825 Flanders Drive Suite 500 San Diego, CA 92121 U.S.A. PHONE: 1-619-597-0095 FAX: 1-619-597-1097	ADAPTER NAME: MS1553MC MIL-STD1553 Adapter Card for IBM* Micro Channel* Architecture SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO POS ID: 626C BUS MASTER: NO AVAILABLE: 10/91 DESCRIPTION: The MS1553MC Adapter Card interfaces to a MIL-STD-1553B data bus and allows the user to be a bus controller, monitor, or remote terminal.
COMPANY: Ruben Engineering Corporation ADDRESS: 60 Aberdeen Avenue Cambridge, MA 02138 U.S.A. PHONE: 1-617-491-2400	ADAPTER NAME: 4683 Attachment Adapter SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 7500 BUS MASTER: NO AVAILABLE: 1/89 DESCRIPTION: The 4683 Attachment Adapter allows connection of up to four IBM* 4683 Point-of-Sale Terminals to any PS/2* computer, as well as to the IBM 4684 POS Terminal.
COMPANY: SANYO Electric Co., Ltd. ADDRESS: 180 Omori Anpachi-Cho, Anpachi-Gun Gifu 503-01 JAPAN PHONE: 81-(0)58-464-3349 FAX: 81-(0)58-464-4392	ADAPTER NAME: ROM-B350 CD-ROM Interface Card SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6C06 BUS MASTER: NO AVAILABLE: 5/89 DESCRIPTION: CD-ROM drive interface card connecting the Sanyo-Bus CD-ROM drive with the Micro Channel* bus.
COMPANY: Wiesemann & Theis GmbH ADDRESS: Wittener Strasse 312 5600 Wuppertal 2 FEDERAL REPUBLIC OF GERMANY PHONE: 49-202-26800 / 1-800-628-2086 FAX: 49-202-268-265	ADAPTER NAME: KEL2IF SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 6B1A BUS MASTER: NO AVAILABLE: 9/88 DESCRIPTION: Interface for CNC-machine simulation board.
COMPANY: YARC Systems Corporation ADDRESS: 975 Business Center Circle Newbury Park, CA 91320 U.S.A. PHONE: 1-805-499-9444 FAX: 1-805-499-4048	ADAPTER NAME: MicroTRAN™ SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO POS ID: 506B BUS MASTER: NO AVAILABLE: 8/90 DESCRIPTION: The YARC MicroTRAN™ adapter is a low-cost parallel processing system with 1 or 2 imos™ T400 or T800s and up to 8MB RAM. The YARC MicroTRAN has a high-speed (over 1MByte/second) host interface and its pinfield array replaces unreliable cabled link connections. Many software tools are available.

Part 2. IOV Adapters — Late Submissions

COMPANY: Arco Electronics Inc.
ADDRESS: 5830 Sheridan Street
Hollywood, FL 33021
U.S.A.

PHONE: 1-305-961-1666
FAX: 1-305-964-1984

ADAPTER NAME: AC-1079 IDE Slim Drive Adapter

CATEGORY: Fixed Disk Attachment

SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO

POS ID: 6286

BUS MASTER: NO

AVAILABLE: 6/92

DESCRIPTION: High-speed IDE drive adapter designed to interface up to two internal 1 1/2" drives with IBM* Micro Channel* bus-based PS/2* computers. The ultra-thin adapter plugs into any expansion slot allowing the IDE drives to be mounted directly onto the space-saving adapter. The additional drives may then co-exist with the original IBM hard drive. The AC-1079 supports DOS, Windows™, OS/2* and Novell™ NetWare™ computer software.

COMPANY: ATI Technologies Inc.
ADDRESS: 3761 Victoria Park Avenue
Scarborough, Ontario M1W 3S2
CANADA

PHONE: 1-416-756-0718
FAX: 1-416-756-0720

ADAPTER NAME: 8514.ULTRA

CATEGORY: Graphics Interface

SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO

POS ID: 8088

BUS MASTER: NO

AVAILABLE: 2/91

DESCRIPTION: Graphics card that is register-compatible with the IBM* Personal System/2* Display Adapter 8514/A. Provides workstation performance with features for CAD, DTP and Windows™ software. Includes Crystal Font Technology for scalable, laser quality screen fonts. Other features include vector drawing exceeding 600,000 vectors per second, non-interlaced 1024 x 768 resolution, and up to 10 times the performance of the IBM 8514/A.

CHIP SET: ATI 68800 Advanced Graphics Chip

CATEGORY: Chip Set

AVAILABLE: 7/92

DESCRIPTION: ATI-68800 Advanced Graphics Controller, a high-performance/resolution chip set which includes the design option for a glueless Micro Channel* bus interface. Register compatible with IBM* PS/2* Display Adapter 8514/A and VGA; supports resolutions to 1280 x 1024, up to 24-bit color, and memory to 4.0 MB.

COMPANY: AZ-COM
ADDRESS: 12 Rose Lane
Suite 104
Orinda, CA 94563-2206
U.S.A.

PHONE: 1-510-254-5400
FAX: 1-510-254-5400

ADAPTER NAME: Universal MC Extender

CATEGORY: Development Tool

SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO

POS ID: N/A

BUS MASTER: NO

AVAILABLE: 1/92

DESCRIPTION: Universal MC Extender allows you to insert and remove card in the IBM* Micro Channel* bus without turning power off to the PS/2* computer. It protects the PS/2* computer hardware from damage by faulty bus devices and on/off power switching. Features include: programmable over-current detection and protection, software control and automatic reset generation.

COMPANY: Cogent Data Technologies, Inc.
ADDRESS: P.O. Box 926
175 West Street
Friday Harbor, WA 98250
U.S.A.

PHONE: 1-206-378-2929
FAX: 1-206-378-2882

ADAPTER NAME: E/Master III

CATEGORY: Ethernet™ LAN

SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO

POS ID: 01B2

BUS MASTER: YES

AVAILABLE: 6/91

DESCRIPTION: High-performance 32-bit bus master Ethernet™ LAN adapter for servers and workstations. Features MultiMaster and Intel™ 82596 technology that supports up to seven adapters per server. Optimized drivers are available for Novell™ NetWare™, DOS NDIS, OS/2* NDIS, SCO™ Interactive UNIX™ and AT&T UNIX computer software.

Part 2. IOV Adapters — Late Submissions

COMPANY: Cogent Data Technologies, Inc.
ADDRESS: P.O. Box 926
175 West Street
Friday Harbor, WA 98250
U.S.A.
PHONE: 1-206-378-2929
FAX: 1-206-378-2882

ADAPTER NAME: E/Master III TP
CATEGORY: Ethernet™ LAN
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 01B3
BUS MASTER: YES
AVAILABLE: 7/91
DESCRIPTION: High-performance twisted pair 32-bit bus master Ethernet™ LAN adapter for servers and workstations. Features MultiMaster and Intel™ 82596 technology that supports up to seven adapters per server. Optimized drivers are available for Novell™ NetWare™, DOS NDIS, OS/2™ NDIS, SCO™ Interactive UNIX™ and AT&T UNIX computer software. Fully IEEE 10-BASE-T compliant.

COMPANY: Computer Logics Limited
ADDRESS: 31200 Carter Road
Solon, OH 44139
U.S.A.
PHONE: 1-216-349-8600 / 1-800-828-0311
FAX: 1-216-349-8620

ADAPTER NAME: ES1000 Adapter
CATEGORY: Other Terminal Emulation
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 6FD7
BUS MASTER: NO
AVAILABLE: 2/88
DESCRIPTION: Designed to support a variety of Unisys™-based terminal emulation software. Both synchronous and asynchronous protocol support provided using V.24/RS-232C interface. Interrupts and addresses are software selectable, no hardware jumpers required. Supports Unisys multiplexer latching and long-drive features. Supports CL PEP™ and LinkUp™ families of terminal emulation packages.

ADAPTER NAME: LinkUp™ 3270 and M/Coax Platform
CATEGORY: Other Terminal Emulation
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6FD7
BUS MASTER: NO
AVAILABLE: 12/87
DESCRIPTION: LinkUp™ 3270 Coax (ED2000) and M/Coax (EM2000) Platforms fun LinkUp UniSession (CUT), 3270 Workstation (DFT) and 3270 Gateway/Server (DFT) software as well as competitive software conforming to industry standards. Features 20MHz 8344 co-processor, on-board data and instruction memory. Provides 32K bytes data RAM. Software-loadable microcode. Connects to an IBM® 3276, 3274, 3174 or 4700 controller or 9370 mainframe.

ADAPTER NAME: PS2TD Nine-Track Interface Board
CATEGORY: Tape Drive Attachment
SUPPORTS: PS/2 - YES RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 5080
BUS MASTER: NO
AVAILABLE: 6/89
DESCRIPTION: A 9-track adapter for the IBM® Micro Channel® bus that supports Pertec™ compatible 800, 1600, 3200 & 6250 bpi tape drives.

ADAPTER NAME: Revision/6 Adapter
CATEGORY: Other Terminal Emulation
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6011
BUS MASTER: NO
AVAILABLE: 2/88
DESCRIPTION: Designed to support a variety of Unisys™-based terminal emulation software. Synchronous and asynchronous protocol support provided, together with support for V.24/RS-232C or Unisys/RS-232. Interrupts and addresses software selectable, no hardware jumpers required. Supports Unisys multiplexer latching and long-drive features.

Part 2. IOV Adapters — Late Submissions

COMPANY: ESaSS B.V.
ADDRESS: Kerkenbos 10-21
6546 BB Nijmegen
THE NETHERLANDS
PHONE: 31-(0)80-78-78-81
FAX: 31-(0)80-78-91-86

ADAPTER NAME: ThunderByte
CATEGORY: Security/Encryption
SUPPORTS: PS/2 - NO RISC System/6000 - YES Micro Channel 370 - NO
POS ID: 70E4
BUS MASTER: YES
AVAILABLE: 5/92
DESCRIPTION: 16-bit adapter card which protects your IBM* PC AT*, Intel386* and Intel486* microprocessor-based computers against computer viruses. ThunderByte is the first anti-virus product in the world capable of rendering your personal computer immune to any attack that would destroy programs and data files.

COMPANY: Keycorp Limited
ADDRESS: Level 7, Clemenger Building
120 Pacific Highway, St. Leonards
Sydney, New South Wales 2060
AUSTRALIA
PHONE: 61-2-901-3299
FAX: 61-2-699-9014

ADAPTER NAME: *Keycorp Colour LCD vGA Adapter*
CATEGORY: *Graphics Interface*
SUPPORTS: *PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO*
POS ID: *81FE*
BUS MASTER: *NO*
AVAILABLE: *8/92*
DESCRIPTION: *This adapter enables the use of the flat screen monitor developed by Keycorp. TFT and LCD technologies can be driven from this card. The adapter and flat screen monitor are sold together to form a complete flat screen system.*

COMPANY: Memorex Telex Corporation
ADDRESS: 545 East John Carpenter Freeway
Irving, TX 75062
U.S.A.
PHONE: 1-800-944-4455

ADAPTER NAME: Memorex Telex Universal 1472 Adapter
CATEGORY: 3270 Terminal Emulation
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 675D
BUS MASTER: NO
AVAILABLE: 7/91
DESCRIPTION: The Memorex Telex Universal 1472 Adapter for the IBM* Micro Channel* architecture is a 3270 A-coax compatible adapter. The I/O port addresses, memory addresses and interrupts are all configurable. The adapter is also downward compatible with other Memorex Telex and IBM 3270 adapters.

COMPANY: SAIT-DEVLONICS n.v.
ADDRESS: Luipaardstraat 20
B8500 Kortrijk
BELGIUM
PHONE: 32-56-23-53-11
FAX: 32-56-20-21-83

ADAPTER NAME: DUO 2405
CATEGORY: Modem
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6A85
BUS MASTER: NO
AVAILABLE: 5/90
DESCRIPTION: Dual bus (Micro Channel* bus and AT* computer bus) modem, complies to the CCITT standards V.21, V.23, V.22, V.22bis, provided with Hayes* and V.25bis protocols. BSC 3780/2780 and SDLC synchronous support.

ADAPTER NAME: DUO-ISDN
CATEGORY: Integrated Services Digital Network (ISDN)
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6E88
BUS MASTER: NO
AVAILABLE: 10/90
DESCRIPTION: Dual bus (Micro Channel* bus and AT* computer bus) ISDN adapter, complies to CCITT Q.921, Q.931 for 2B+D basic access. Communication mode X.25, X.3, X.28, X.29, V.110 rate adaption, V.120 packet protocol. RJ.45 ISDN SO-Interface and RJ11 connector for handset.

ADAPTER NAME: DVX25 for the IBM* PS/2* Computers
CATEGORY: X.25
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6BDB
BUS MASTER: NO
AVAILABLE: 10/89
DESCRIPTION: High performance X.25 communication adapter with X.32 extension capability. Thirty-two logical channels with own packet assembly/disassembler speed up to 64K bits/second. Fully compatible with CCITT X.25, X.3, X.28 and X.29.

Part 2. IOV Adapters — Late Submissions

COMPANY: SAIT-DEVLONICS n.v.
ADDRESS: Luipaardstraat 20
88500 Kortrijk
BELGIUM
PHONE: 32-56-23-53-11
FAX: 32-56-20-21-83

ADAPTER NAME: PSMOD 96
CATEGORY: Modem
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6A87
BUS MASTER: NO
AVAILABLE: 5/90
DESCRIPTION: High speed modem adapter, complies to the CCITT standards V.21, V.23, V.22, V.22 bis, V.32 Trellis, V.32 Uncoded, V.26 bis, V.29 V.27 ter, provided with Hayes and V.25 bis protocols, BSC 3780 and SDLC synchronous support on board. MNP™ 4, MNP 5 and V42 protocols.

COMPANY: Xcom Multimedia Communications
ADDRESS: ZAC Le Pre Milliet
28330 Montbonnot
FRANCE
PHONE: 33-76-52-00-46
FAX: 33-76-52-03-97

ADAPTER NAME: MI450-JPEG Image Compression / Decompression / Paletization Board
CATEGORY: Image Capture
SUPPORTS: PS/2 - YES RISC System/6000 - NO Micro Channel 370 - NO
POS ID: 6239
BUS MASTER: NO
AVAILABLE: 2/92
DESCRIPTION: High quality display of natural images under OS/2* Presentation Manager* computer software for VGA / 8614 / XGA* chip set board or monitor. C-Cube and TMS320C51 processors and JPEG-ISO10918 image compression / decompression / stretching / paletization in <0.7 second. AVC compatible. API for developers.

Part 3. Developer Reference Information

Specification and Technical Information

IBM produces a library of publications for developers of products that operate with the Micro Channel* bus.

- **Personal System/2* Computers**

Hardware and BIOS interfaces for the Personal System/2 computers as well as the Micro Channel architecture specification are provided in the following documents published in the U.S.:

IBM Personal System/2 Hardware Interface Technical Reference

- System-Specific Information (Form S84F-9807)
- System-Specific Information Update dated September 1991 (Form S04G-3280)

IBM Personal System/2 Hardware Interface Technical Reference

- Architectures (Form S84F-9808)
- Architectures Update dated September 1991 (Form S04G-3282)

IBM Personal System/2 Hardware Interface Technical Reference

- Common Interfaces (Form S84F-9809)
- Common Interfaces Update dated September 1991 (Form S04G3281)

IBM Personal System/2 and Personal Computer BIOS Interface Technical Reference (Form S04G-3283)

These and other technical publications are listed in the Technical Directory along with pricing information for the U.S., Puerto Rico and the U.S. Virgin Islands. To obtain copies of this directory or to place orders,

from the U.S., call	1-800-426-7282
from Alaska, call	1-414-663-8108
from Canada, call	1-800-465-1234
from British Columbia, call	112-800-465-1234

Publications and products listed in the Technical Directory can also be obtained by contacting an IBM Authorized Dealer, an IBM Marketing Representative, or an IBM Branch Office.

- **RISC System/6000* POWERstations and POWERservers**

In the U.S. to obtain information about the IBM RISC System/6000 POWERstations and POWERservers, contact your nearest IBM Branch Office for order and price information on the technical publications for developers listed below. (If you do not know where your nearest IBM Branch Office is, call 1-800-426-3333 to obtain the proper telephone number.)

For Micro Channel architecture information, consult the "Architectures" manual for PS/2 computers listed above.

Hardware Technical Reference 7013 and 7016 POWERstation and POWERserver (Form SA23-2644)

Hardware Technical Reference 7012 POWERstation and POWERserver	(Form SA23-2660)
Hardware Technical Reference 7012 POWERstation and POWERserver — Models 34X and 35X	(Form SA23-2680)
Hardware Technical Reference 7012 POWERserver	(Form SA23-2645)
Hardware Technical Reference 7011 POWERstation and POWERserver	(Form SA23-2666)
POWERstation and POWERserver Hardware Technical Reference – General Information	(Form SA23-2643)
POWERstation and POWERserver Hardware Technical Reference – Options and Devices	(Form SA23-2646)
Writing a Device Driver for AIX* Version 3.2	(Form GG24-3629)

The sample device drivers and configuration routines shipped with AIX* Version 3 computer software are an excellent source of information. [Read the file `/usr/lpp/bos/samples/README` for complete information.]

- **Micro Channel* 370**

A variety of technical manuals are available for the Micro Channel 370 and its I/O subsystems. For hardware and BIOS interfaces to the PS/2* computer side of the Micro Channel 370 Models 014 and 114, the Architectures and Common Interfaces documents may be used. The PS/2 computer side of the Models 014 and 114 is a 20MHz PS/2 Model 80 computer, and the System-Specific Information document may be used.

Outside the U.S. and Canada

Part numbers AND titles of the technical publications available in countries other than the U.S. and Canada may differ from those presented here.

For a list of the PS/2 computer publications and part numbers available in your country,

from Latin America, call 1-407-443-9370;
 from Europe, call 44-256-56144, Ext. 8841 in the U.K.;
 from Japan, call 81-03-3221-8340; or FAX 81-03-3221-9808;
 from Asia, call 61-2-634-8780, or FAX 61-2-634-9609, in Australia;
 from Australia and New Zealand, call 61-2-634-9808.

For information about the pertinent publications about the RISC System/6000* POWERstations and POWERservers, including part numbers and pricing, from areas outside the U.S., contact your local IBM Branch Office for assistance.

Programmable Option Select Identifier (POS ID)

The POS ID is used to identify a Micro Channel expansion adapter to the system. The system uses the POS ID to select the proper configuration data to be loaded into the expansion adapter. Configuring the adapter by POS ID eliminates the need for switches on the adapter.

Each Micro Channel expansion adapter requires an options diskette containing the configuration options supported by that expansion adapter. System software utilizes the data from the option diskette to automatically configure the expansion adapter (arbitration level, I/O address space, and so on). By addressing the proper expansion adapter via POS ID, system software can prevent duplicate resource assignment that could damage the system or the installed adapters.

Well over 4,000 unique POS IDs have already been assigned to Independent Option Vendors (IOVs) in twenty-five countries worldwide for use on their expansion adapters. To assure your use of a unique POS ID in an expansion adapter you are developing, obtain a POS ID from IBM. Call 1-407-982-5361 or send a FAX to 1-407-443-2143 in the U.S., or complete, clip and mail the appropriate request form on page 207. There is no charge for this POS ID assignment service.

There are four classes of adapters, and each has a unique range of POS IDs available for assignment to IOVs developing expansion adapters. A POS ID is a 4-digit hexadecimal value. All values outside of the ranges stated are reserved for the exclusive use of the IBM Corporation. The POS ID ranges for IOV use are, by class:

Bus Master – POS ID range 0001-0FFF

A bus master drives the address bus and data transfer control signals that cause data transfer to or from a slave and arbitrates for the use of the channel.

DMA Slave – POS ID range 5000-5FFF

A DMA slave is selected by arbitration or, optionally, by its address within the I/O address space. It initiates a request for the channel and arbitrates for the channel with arbitrating masters and other DMA slaves.

I/O Slave – POS ID range 6000-6FFF

An I/O slave is selected by its address within the I/O address space.

A video adapter is an I/O slave with its own POS ID range — 8000-81FF.

Memory Slave - POS ID range 7000-7FFF

A memory slave is selected by its address within the memory address space.

There is only one Micro Channel architecture, and multiple IBM systems utilize this architecture. The POS ID structure outlined above pertains equally to all of these systems.

For additional information concerning the operation of masters and slaves within the Micro Channel architecture, please refer to the pertinent technical information available in your country on this subject.

OS/2 and PS/2 Developer Assistance

- The U.S. Program

In the U.S. IBM offers a formal technical assistance program to software and hardware developers of products for the IBM® PS/2® family of computers. The IBM Developer Assistance Program (DAP) is for developers working on products for commercial release. You are eligible to participate in the program if:

* You develop software or hardware products that support IBM Operating System/2* or Micro Channel* architecture-based PS/2 computers, and

* Your company is a U.S. company or the U.S. subsidiary of a non-U.S. company.

Application for enrollment in this program is required. To request an application form, call 1-407-982-6408.

- Obtaining Assistance Outside the U.S.

Personal computer assistance is provided to non-U.S. developers by calling:

from Canada	1-416-946-3786
from Latin America	1-407-443-9370
from Europe	44-256-56144, Ext. 8841 in the U.K.
from Japan	81-03-3221-8340 (or FAX 81-03-3221-9208)
from Asia, Australia and New Zealand	81-(0) 462-73-3593.

RISC System/6000 Developer Assistance

In the U.S. for information concerning IBM programs for developers interested in developing products that will operate with the RISC System/6000* POWERstations and POWERservers, call 1-800-627-8363 and select the appropriate option from the menu.

PS/2 Adapter Compatibility Certification

National Software Testing Laboratories, Inc. (NSTL) in Pennsylvania has independently developed procedures to test hardware adapters that attach to the Micro Channel* bus of IBM* Personal System/2* computers and compatible systems from other vendors for compatibility with currently available systems, adapters and end-user software applications.

NSTL offers a complete testing and certification program to developers of expansion adapters for the IBM PS/2* computers with the Micro Channel bus and compatible Micro Channel systems from other vendors. Those expansion adapters for the IBM PS/2 computers that have successfully completed this testing program and have received the official NSTL Certification have this information included in the adapter description listed in this catalog.

For additional information about this NSTL Certification testing program, call NSTL directly at 1-215-941-9600 or send a FAX to 1-215-941-9952.

Micro Channel Developers Association

The number of Micro Channel developers has grown since IBM* Micro Channel* architecture was announced in April, 1987, and the need for an independent forum for the exchange and dissemination of information, both current and directional became apparent in 1990. On October 10, 1990, an international cross-section of independent computer industry leaders joined together to form the Micro Channel Developers Association (MCDA).

The fourteen association founders and executive board are committed to facilitate the worldwide continuing openness, development and exploitation of Micro Channel architecture. The association evolved directly from their desire for a formal way to disseminate ideas and information.

The MCDA is pledged to capitalize on the capabilities of Micro Channel architecture, facilitate its evolution as an industry-wide open architecture, and provide the marketplace with the fast release of a broad range of innovative, compatible products.

Also, MCDA members are provided direct technical assistance supported by IBM. They have an opportunity to participate with other Micro Channel architecture-based product developers in direct dialog regarding matters such as architectural direction and evolution and the technical issues inherent in development and support activities. They also can develop vital interactive relationships with other members of the development community.

For additional information about the association and membership requests, call the MCDA directly at 1-916-222-2262 or send a FAX to 1-916-222-2528.

MCDA Micro Channel Architecture Seminars

Three-day seminars are sponsored by the Micro Channel Developers Association (MCDA) for new design engineers to learn the Micro Channel architecture and exchange implementation ideas with other developers. Seminar topics include bus master design, Subsystem Control Block (SCB) architecture and operating system-level support. An overview of Micro Channel chip sets that are available from various manufacturers is also included. Seminars are conducted by a number of technically-qualified members from industry sources.

Information about location, cost and registration, contact the MCDA office in the U.S.A. by phone to 1-916-222-2262 or FAX to 1-916-222-2528.

IBM Publicizing Programs

Since November 1987, IBM has publicized expansion adapters developed by other manufacturers for the IBM Micro Channel* bus-based systems. This international catalog listing expansion adapters is published twice a year. To date almost 400,000 copies of this document have been distributed worldwide.

These expansion adapter listings are also available (2) in an electronic database accessible to anyone worldwide on the IBM National Support Center Bulletin Board System and (2) in programs available through OfficeVision*/VM to all IBMers worldwide on the MKTTOOLS disk. Both on-line repositories are updated monthly to reflect announcements, withdrawals and changes in current expansion adapter information. (See the information on page 11 of the "Preface".)

To have your expansion adapters supporting the IBM Micro Channel bus-based systems added to our master file for participation in these programs, call 1-407-982-5361 or FAX 1-407-443-2143 in the U.S. and request an Adapter Enrollment Form, or complete, clip and mail the appropriate request form from page 209.

Bus Master Chip Set

A bus master chip set for the Micro Channel bus is available that implements the IBM-designed logical channel architecture, bus master streaming data procedures, and parity. This chip set is the result of a joint design effort between IBM and Intel Corporation.

The Intel** 82325 (MC/MD) Bus Master Interface Chip Set is marketed directly by Intel. For information, call Intel directly at 1-916-351-8080 in the U.S., or send a FAX to 1-916-351-6710.

XGA* Chip Sets Available

The Extended Graphics Array (XGA) high performance video subsystem was announced by IBM in 1990. An IBM-designed chip set is now available from SGS-Thomson / Inmos Limited as the IMS G200 XGA Display Controller and the IMS G191 XGA Palette DAC. These two chips implement the XGA standard to support the Micro Channel architecture, providing the performance required by today's windowing environments, such as OS/2* Presentation Manager*. at resolutions up to 1024 x 768 with 256 colors or 640 x 480 with 65,536 colors. The XGA Palette DAC will drive 1024 x 768 resolution in non-interlaced modes at up to 75 Hz refresh rate. XGA drivers for OS/2 Presentation Manager, Windows** 3.1, the DOS AI and AutoCAD** software are available. The XGA chip set provides full VGA compatibility for VGA applications.

The XGA chip set provides the standard for exciting new graphics capabilities:

HIGHER RESOLUTION: 1024 x 768 resolution means over 250% usable desktop; this means better screen clarity and better visibility, with more windows on-screen at one time, less overlapping and more legible text.

HIGHER PERFORMANCE: XGA provides greatly enhanced performance over VGA. Independently run benchmarks show DOS applications running up to 90% faster, Microsoft** Windows applications running up to 67% faster and OS/2 Presentation Manager applications running up to 50% faster on XGA over VGA at higher resolution and greater color capabilities. XGA is a Micro Channel bus master chip set that off loads the CPU of graphics memory data manipulation. The XGA hardware performance assist offers sophisticated pixel movement and advanced drawing functions, including pixel block transfer, line drawing, area fill, scissoring and map masking as well as a hardware cursor.

MORE COLORS: XGA supports 256 colors at 1024 x 768 and 640 x 480 resolutions, and 16-bit direct color providing 65,536 colors at 640 x 480 for photo-realistic images. With the 640 x 480, 256 color support, it is possible for the user to maintain the investment in their current display and still take advantage of the increased XGA performance.

COMPATIBILITY: Full register-level VGA compatibility means that XGA supports the vast amount of software already written for VGA.

AVAILABILITY: The XGA chip set provides a quick and easy design route to provide customers with the latest graphics standard and its advanced capabilities.

To order from within the U.S., write Pete Lobo at SGS- Thomson Microelectronics, 1310 Electronics Drive, Carrollton, TX 75006, or phone 1-214-466-7024, or FAX 1-214-466-7445.

To order from outside the U.S., write Steve Davis at Inmos Limited, 1000 Aztec West, Almondsburg, Bristol BS12 4SQ, United Kingdom, or phone 44-454-611-577, or FAX 44-454-617-910.

REQUEST FOR PROGRAMMABLE OPTION SELECT ID

(Please PRINT the following)

Your Name: _____

Your Position Title: _____

Company: _____

Street: _____

City/State or Province/Zipcode: _____

Country: _____

Phone Number (including city code): _____

FAX Number (including city code): _____

POS ID Range Desired: _____

Date of Request: _____

Submit by mail to: **Ms. Mildred N. Sanderson**
IBM Corporation — 1316
P.O. Box 1328
Boca Raton, FL 33429-1328
U.S.A.

or FAX to 1-407-443-2143 in the U.S.

REQUEST FOR ADAPTER ENROLLMENT FORM

(Please PRINT the following)

Your Name: _____

Your Position Title: _____

Company: _____

Street: _____

City/State or Province/Zipcode: _____

Country: _____

Phone Number (including city code): _____

FAX Number (including city code): _____

Name of Adapter: _____

Date of Request: _____

Submit by mail to: **Ms. Mildred N. Sanderson**
IBM Corporation — 1316
P.O. Box 1328
Boca Raton, FL 33429-1328
U.S.A.

or FAX to 1-407-443-2143 in the U.S.

Part 4. Trademark Identifications of Other Companies

Trademark	Owner
1-2-3	Lotus Development Corporation
3270 Coax Adapter/MC	Eicon Technology Corporation
3780Plus	CLEO Communications
3M	Minnesota Mining & Manufacturing Co.
4700 PCI/MC	Network Controls International, Inc.
Above	Intel Corporation
Access	Eicon Technology Corporation
AccuSpec	Canberra Industries, Inc.
Accutouch	Elographics, Inc.
ACL MC16	Star Gate Technologies, Inc.
Action Media II	Intel Corporation
AMBER	AMBER Software Corporation
Amdek	Amdek Corporation
Apple	Apple Computer Inc.
ARCLINK/A	Lava Computer Mfg., Inc.
ARCNET	Datapoint Corporation
ARTIST 10 MC	ARTIST Graphics
ARTIST 12 MC	ARTIST Graphics
ARTIST XJS MC	ARTIST Graphics
ASC-PS2	Advanced Storage Concepts, Inc.
Ashton-Tate	Ashton-Tate
Attachmate	Attachmate Corporation
AutoCAD	Autodesk, Inc.
BANC-Ring 16/4 Adapter	Network Controls International, Inc. (NCI)
Banking Card/MC	Network Controls International, Inc. (NCI)
BBM	Intel Corporation
Bell	AT&T Bell Laboratories
BITBUS	Intel Corporation
BOCA.MCA	Boca Research, Inc.
BOCARAM/2 PLUS	Boca Research, Inc.
BULL	BULL AG Austria
Canon	Canon, Inc.
Centronics	Centronics Corporation
Channel/2	ComTech International, Inc.
Channel/2 Plus	ComTech International, Inc.
ClusterPort/S	Arnet Corporation
CNT-ETP-3	CORE International
Cobra/2	Vermont Microsystems, Inc.
CodeNet	Codenoll Technology Corporation
Coherent Processor	Coherent Research, Inc.
Crosstalk	Digital Communications Associates, Inc.
CT 150/250	CORE International
CT 60/100	CORE International
Data Highway	Allen-Bradley
Data Highway Plus	Allen-Bradley

The IBM Corporation and Tecnicom Printing & Publishing Corporation have made every effort to show proper trademark attribution for all products listed in this catalog, and accept no liability for any omissions or typographical errors that may result.

Trademark	Owner
DataTrac	I.D.B. Corporation
dBase	Ashton-Tate
DCA	Digital Communications Associates, Inc.
DEC	Digital Equipment Corporation
DFI	DFI, Inc.
DigiCHANNEL	DigiBoard
Direct-Link	Sutherland-Schultz Limited
D-Link	D-Link Systems, Inc.
DNA Networks	DNA Networks, Incorporated
DualPage	Cornerstone Technology, Inc.
DVI Technology	Intel Corporation
Dynamic-Read-Ahead	Muzertechnika
E78 Lite	Digital Communications Associates, Inc.
E78 Plus	Digital Communications Associates, Inc.
Eicon	Eicon Technology Corporation
EiconCard	Eicon Technology Corporation
EiconCard HSI/MC	Eicon Technology Corporation
EiconCard IMC/MC	Eicon Technology Corporation
EiconScript	Eicon Technology Corporation
Elettronica Sillaro	Elettronica Sillaro S.R.L.
Eliminator	Advanced Gravis Computer Technology Ltd
EML5250	MUX LAB INC.
EMLGATE	MUX LAB INC.
ES	Elettronica Sillaro S.R.L.
ESF	Western Digital Corporation
ESP	Hayes Microcomputer Products, Inc.
EtherLink/MC	3Com Corporation
Ethernet	Xerox Inc.
EtherNext	NetWorth, Inc.
Etherworks MC	Digital Equipment Corp.
Etherworks MC/TP	Digital Equipment Corp.
Exchange Series	Passport Communications, Inc.
EXPANZ!	InfoChip Systems, Inc.
Fastalk	Universal Data Systems
FAXPRO	Pompen BV, The Netherlands
FLASHlink	Cardinal Technologies
Formwriter	Electronic Form Systems
FURY	Dr. Neuhaus Mikroelektronik GmbH
GEM	Digital Research, Inc.
G/Ethernet	Gateway Communications, Inc.
G/ETHERTWIST	Gateway Communications, Inc.
GMM	GMM Research Corporation
Hayes	Hayes Microcomputer Products, Inc.
Hitachi	Hitachi Ltd.
HYPERPORT II	Hypertec Pty. Limited
ibex	INTER-IBEX AG
IDEAcomm	IDEAssociates, Inc.
IDS	Sanyo Icon

Trademark	Owner
ImageDesk	Kyocera Co., Ltd.
inmos	INMOS Limited
Intel	Intel Corporation
Intel386	Intel Corporation
Intel486	Intel Corporation
Intelligent Disk Server	Sanyo Icon
IntelliPort	Computone Corporation
IntelliPort II	Computone Corporation
Interbatch	Passport Communications, Inc.
Interleaf	Interleaf Corporation
IQ Scan	Pentax Technologies Corporation
IRMA	Digital Communications Associates, Inc.
IRMA 2	Digital Communications Associates, Inc.
IRMA 3	Digital Communications Associates, Inc.
IRMALAN	Digital Communications Associates, Inc.
IRMAX DFT	Digital Communications Associates, Inc.
IRMAX Multisessions	Digital Communications Associates, Inc.
IRMAremote	Digital Communications Associates, Inc.
ISCA	Digital Communications Associates, Inc.
ISOLAN	BICC Data Networks, Inc.
1X30F	Canon, Inc.
LANpac	Racore Computer Products, Inc.
LANser	Sanyo Icon
LANsmart	D-Link Systems, Inc.
LANtastic	Artisoft, Inc.
LANVIEW	Cabletron Systems Inc.
Lanway	Avatar Corporation
LifeNET	Univation, Inc.
Line Runner-S	Impact Technologies
LinkUp	Computer Logics Limited
LocalTalk	Apple Computer Inc.
Lotus	Lotus Development Corporation
L-View	Sigma Designs, Inc.
Macintosh	Apple Computer Inc.
MC-DAS 1612/16	Scientific Solutions, Inc.
MC-Fax 2000	Digitronic Computersysteme GmbH
MC-GPIB	National Instruments Corp.
MC IEEE 488	Scientific Solutions, Inc.
micro785+	YARC Systems Corporation
MicroCAT	SEJUS Corporation
MicroGate	MicroGate Corporation
MicroMASTER	Aox Incorporated
MicroRAM AD	Tecmar
MicroRAM 386	Tecmar
Micro SMILE	Sanyo Icon
Microsoft	Microsoft Corporation
MicroTRAN	YARC Systems Corporation
MiniVault 120e	Tecmar
MIRROR	CLEO Communications
MNP	Microcom, Inc.
MODBUS PLUS	AEG Modicon International
Modicon	AEG Modicon International

Trademark
MULTIBUS
MultiCom3270PS
MultiEXPRESS
MultiPort
Multi-Port Network
Adapter/MC
MultiUser Too
mW3167-PS

NCI
NCR
NetWare
Novell

OCTOPORT
OMNINET
Opti-Net
OPTIPAC
OS/RAM32
OS/RAM4
OS/RAM8

PageView
Paradise 8514/A Plus
Pathworks
PC-NFS
PCnic II
PCTEX
Pentax
PEP
Pepper Pro1024
Periscope
Perc
Plus8 MC
PostScript
ProComm
ProNET
ProScan
PS11
PS 2000
PScomm2/4
PSconnect

QualityTape
Q22-bus
QT-100e
QT-500e
QTOS

RAC/M
RAMBANK-II
Rapport
Real-World
Rimfire
Ringnode
RUMBA

Owner
Intel Corporation
Multi-Tech Systems, Inc.
Multi-Tech Systems, Inc.
Arnet Corporation

Eicon Technology Corporation
The Clusterlink Corporation
MicroWay, Inc.

Network Controls International, Inc.
NCR Corporation
Novell, Inc.
Novell, Inc.

The Software Lifeline, Inc.
Corvus Systems, Inc.
Online Products Corporation
Optivision, Inc.
Capital Equipment Corp.
Capital Equipment Corp.
Capital Equipment Corp.

Sigma Designs, Inc.
Western Digital Corporation
Digital Equipment Corp.
Sun Microsystems
IMC Networks Corp.
Unina s.a.
Pentax Technologies Corporation
Computer Logics Limited
Number Nine Computer Corp.
The Periscope Company, Inc.
Computer Logics Limited
Star Gate Technologies, Inc.
Adobe Systems Incorporated
Cumulus Corporation
Proteon, Inc.
Our Business Machines, Inc.
Omnicom Graphics Corporation
Ventek Corporation
METACOMP, Inc.
METACOMP, Inc.

Tecmar
Digital Equipment Corporation
Tecmar
Tecmar
Tecmar

Okiok Data Ltd.
DFI Inc.
Computone Corporation
Industrial Computer Designs, Inc.
Ciprico Inc.
Madge Networks
Wall Data Incorporated

Trademark	Owner
SAKHR	AI Alamiyah Software
SCO	The Santa Cruz Operation, Inc.
Select	DCA/Microsoft Corporation
SilverView	Sigma Designs, Inc.
SinglePage	Cornerstone Technology, Inc.
Smartcom	Hayes Microcomputer Products, Inc.
Smart Eight/2	The Clusterlink Corporation
SmartPort	Arnet Corporation
Sony	Sony Corporation
SORAC	Ing. Helmut Mayerhofer Elektronik
Sound Blaster	Creative Labs, Inc.
Sounding Board	Artisoft, Inc.
Stacker	Stac Electronics
StarLAN	NCR Corporation
StarWAN	NCR Corporation
SYLVIA	Jovian Logic Corporation
Sync/2	GMM Research Corporation
SyncLink	MicroGate Corporation
Sync-Up	Universal Data Systems
SYTOS PLUS	Sytron Corporation
TCFAX MC	Icedata S.R.L.
TCFAXMANAGER	Icedata S.R.L.
TCFAXPLUS MC	Icedata S.R.L.
TCNS	Thomas-Conrad Corp.
TransGuard	Star Gate Technologies, Inc.
Ultra Clipper	Pixelworks, Incorporated
Ultra Clipper/AX	Pixelworks, Incorporated
UltraNet	Ultra Network Technologies
Unisys	Unisys Corporation
UNIX	UNIX System Laboratories, Inc.
VAX	Digital Equipment Corporation
VBX	Natural MicroSystems Corporation
Ventura Publisher	Ventura Software, Inc.
VIA	Jovian Logic Corporation
VINES	Banyan Systems, Inc.
Vista	TeleSensory
VocalCard	InterVoice, Inc.
Weitek	Weitek Corporation
Windows	Microsoft Corporation
WINner/286	Spectra-Physics
WINner/386	Spectra-Physics
WinTwin	Synapse Communications, Inc.
XDP	Plexus Software, Inc.
XENIX	Microsoft Corporation
XIO	Specialix, Inc.
ZT/2	Ziatech Corporation

Part 5. Advertisers' Index

Advanced Microcomputer Systems, Inc.	148
Alcatel TITN, Inc.	103
Altera Corporation	27
Arco Electronics Inc.	126
AZ-COM	119
Custom Computer Systems	129
Digi International, Inc.	173
Eicon Technology Corporation	21
Equinox Systems Inc.	179
Excalibur Systems, Inc.	86
GMM Research Corporation	63
IKON Corporation	89
MicroGate Corporation	57
NCR Corporation	67
Neotech Inc.	169
Omicomp Graphics Corporation	137
Procom Technology, Inc.	inside front cover
Quatech, Inc.	185
Sealevel Systems Incorporated	69
Sumitomo Electric	92
Thomas-Conrad Corporation	inside back cover
Univision Technologies, Inc.	143

Part 6. Index of Developers

Numeric

3Com Corporation 73
3Com Ltd 73
3X 123

A

ACC Microelectronics Corporation 45,119
ACCTON Technology Corp. 82
Acculogic Inc. 148,151
ACKSYS 168
Actrix Systems, Inc. 86
Adaptec, Inc. 160
ADAX Inc. 103
Addi Data GmbH 168
Advanced Gravis Computer Technology Ltd. 128
Advanced InterLink Corp. 154
Advanced Microcomputer Systems, Inc.
45,48,52,99,119-120,124,148-149,151,155,170,190-191
Advanced Storage Concepts, Inc. 161
AEG Modicon International 86,196
Aicom Corporation 48
Al Alamiah Software 196
Alcatel TITN Inc. 104
Allied Telesis, K.K. 74
Alloy Computer Products, Inc. 87,170,193
Allus Technology Corporation 129
Alpha Products Co. 116
Altera Corporation 45,120
AMBER Software Corporation 120
American Advantech Corp. 108,114
Amplicon Liveline Ltd. 108,117
Anlee Data Processing Co., Ltd. 108
Antex Electronics Corp. 48
Aox Incorporated 47
Applied Digital 108
Applied Programming Technologies, Inc. 159,161
Arco Electronics Inc. 47,74,126-127,199
Arnet Corporation 171
Artisoft, Inc. 48,74,87
ARTIST Graphics 129,130
ATLANTIS 93,94
AT Systems Associates, Inc. 101
Attachmate Corporation 99
ATI Technologies Inc. 199
Audio Precision, Inc. 49
Auditek Oy 49
Au-Systems Communication AB 63
Avatar Corporation 82
AVM GmbH 51
AW Computer Systems, Inc. 87
AZ-COM 199

B

Barr Systems, Inc. 94,99,158
Biodata Ltd 115
Bit 3 Computer Corporation 154
Bi-Tech Enterprises, Inc. 161
Blue Chip Technology 109,120,171
Boca Research, Inc. 149,155,191
Bockstaller Hard-u. Softwareentwicklung 109-110
BOCONSULT S.p.A. 87
Brain Boxes 110,115,121,171,191-192
Bus Tech, Inc. 196
BusTek Corporation 161
B.V. Neways R&D 53,70,74,149,158

C

Cabletron Systems Inc. 74-76,82
Cambridge Computer Graphics Ltd 131
Canberra Industries, Inc. 107
Capital Equipment Corp. 45,115,121,149,151
Cardinal Technologies, Inc. 53
Carlsen Consulting Pty. Ltd. 82-83,121
Chase Research PLC 171-172
CH Products 128
Ciprico Inc. 162
CITEC S.p.A. 131,159
CLEO Communications 99
CNet Technology Inc. 70,76-77,83
Codennoll Technology Corporation 77
Cogent Data Technologies, Inc. 199-200
Coherent Research, Inc. 157
Colorado Memory Systems 193-194
Colorgraphic Communications Corp. 131-132
Communication Automation & Control 147
Compex, Inc. 70,77
Computer Elektronik Infosys of America, Inc. (CEI) 149,156,162,165,172,192
Computer Lab International 97
Computer Logics Limited 200
Computer, Service & Maintenance 162
Computone Corporation 172,174
ComTech International, Inc. 63
Comtes GmbH 100,101,104
Comtrol Corporation 174-175
Connect International A/S 71,77-78
Connect Tech Inc. 176
Connexperts 87
Consensys Corporation 176
CORE International, Inc. 127,162-163,194
Corman Technologies Inc. 71
Cornerstone Technology 132
Corollary Inc. 176
Creative Labs, Inc. 49
Custom Computer Systems 127

D

Daito Mechatronics Co., Ltd. 163
Danar Corporation 87
Dassault Automatismes et Telecommunications 104

Dataflex Design Ltd. 53
 Data Innovation Ltd 165
 Data Net Corporation 88
 Datapath Ltd. 132
 Dataq Instruments, Inc. 107
 Dayna Communications, Inc. 88
 DayStar Digital, Inc. 88
 Delta Xmit GmbH 194
 DFI Inc. 150
 DFL Labtronics Inc. 117
 Dialogic Corporation 49
 DIAN Micro Systems Limited 117
 Digicom s.p.a. 53
 Digi International, Inc. 176
 Digital Communications Associates, Inc. 63,83,94,100
 Digital Equipment Corp. 78
 Digital-Kienzle Computersysteme GmbH & Co. KG 88
 Digital Systems Corporation 197
 Digithurst Ltd. 132,144
 Digitronic Computersysteme GmbH 124
 D-Link Systems, Inc. 71,78,88
 DNA Networks, Incorporated 88
 Dr. Johannes Heidenhain GmbH 197
 Dr. Neuhaus Mikroelektronik GmbH 53
 DSP Design Ltd. 71
 DSP Technology Inc. 107
 DYSSA - Datos y Sistemas Informaticos, S.A. 177

E

EDS Systemtechnik GmbH 194
 egs mbH 133
 Eicon Technology Corporation 54,64,94,158
 Electrim Corporation 144
 Electronic Form Systems 158
 Electronique D2 163
 Elettronica Sillaro S.R.L. 78,100,128,154,156,177,192
 ELIASHIM microcomputers Inc. 165
 Elographics, Inc. 197
 ELSA GmbH 133,134
 Elverex (Int) Ltd. 121
 EM-Geraetebau GmbH 144,159,194
 Emulex Corporation 177
 Equinox Systems Inc. 177-180
 ERACOM Pty Ltd 166
 ESaSS B.V. 201
 ETAP Information Technology 134
 E-Tech Research, Inc. 54
 ETen Information System Co., Ltd. 158,197
 Excalibur Systems, Inc. 89
 Excel Data S.A. 166

F

FARABI Corp. 94
 Fast Electronic GmbH 166
 Fischer International Systems Corp. 166
 formac Elektronikproduktions GmbH 151

Frontier Technologies Corporation 64,79
FTG Data Systems 147
Fujikura America, Inc. 79
Fujitsu Networks Industry, Inc. 51
Future Domain Corporation 163

G

Gateway Communications, Inc. 79
GE Fanuc Automation, North America, Inc. 64
GEVA Datentechnik GmbH 123
GMM Research Corporation 64
Goerlitz Computerbau GmbH 65,166

H

Hayes Microcomputer Products, Inc. 180
Hercules Computer Technology, Inc. 134
Hitachi Home Electronics (America), Inc. 155
Howtek, Inc. 159
Hypertec Pty. Limited 152,192

I

IBM Corporation 19-41
Icedata SRL 124
I.D.B. Corporation 195
IDEAssociates, Inc. 97
IFD Ingenieurbuero fuer Datentechnik 111,117,121,180
IKON Corporation 89,111,158
ILC Data Device Corporation 90
IMC Networks Corp. 79
Impact Technologies 181
INCAA Datacom B.V. 65,100,102,104
Industrial Computer Designs, Inc. 111-112,117,181
ines-Innovative Elektroniksysteme GmbH 115
InfoChip Systems, Inc. 197
Infotext Systems, Inc. 102
Ingenieur-Buero Georg Hollmann 181
Ing. Helmut Mayerhofer Electronic 144-145
Inmos Ltd. 157
Innovative Data Technology 195
Innovative Electronics, Inc. 95
Inometer AB 65
Intel Corporation 124,152
Intelligent Interface Inc. 127
INTER-IBEX AG 65,102
Intertex Data AB 54
InterVoice, Inc. 49-50
Invisible Software, Inc. 79,90
IQtech, Inc. 115
IRISCO Technologie Inc. 95

J

Jones Futorex Inc. 166
Jovian Logic Corporation 145,153

K

Keithley MetraByte 106,112-113,115,118,182
Keycorp Limited 201
KineticSystems Corporation 118

Kingston Technology Corp. 150,152
Kofax Image Products 134,145
Kraft Systems, Inc. 128
Kyocera Co., Ltd. 159

L

La Commande Electronique 54-55
Lantana Technology Inc. 71,80,83
LASAT A/S 51,55-56
LaserData, Inc. 135
Lava Computer Mfg Inc. 71,135,150,156,182,192
Lognet Systems Ltd. 95
LONGSHINE ELECTRONIC CO. 56,80,95,195

M

Madge Networks 83
Maple Computer Corporation 97
Matrox Electronic Systems Ltd. 135
Maxpeed Corporation 182
mbp Kommunikationssysteme GmbH 51
Meinberg 197
Memorex Telex Corporation 95,201
Metacomp, Inc. 182
Microbus Manufacturing, Ltd. 71
Micro Control Systems (E.M.) Ltd. 183,197-198
Microfield Graphics, Inc. 136
MicroGate Corporation 56-58,66,99
Micro-Integration Corp. 95,97,101
Microlinear Corporation 113
Micro-Matic Research n.v. 66
Micronomy Ltd 156
Microtek Lab, Inc. 160
MicroWay, Inc. 90,147
Millennium Engineering, Inc. 66
Misuzu Erie Co., Ltd. 155
MNC International, Inc. 72,80,84
Multi-Tech Systems, Inc. 58,95,97-98
Muszertechnika 163-164
MUX LAB INC. 98

N

National Design, Inc. 136
National Instruments Corp. 47,113,116,118
Natural MicroSystems Corporation 50
NCMIKRO Ltd. 113
NCP engineering GmbH 51,96
NCR Corporation 45,52,66,84
Neotech, Inc. 156,183,192-193
Network Controls International, Inc. (NCI) 84,96,102
Network Peripherals Inc. 90
NetWorth, Inc. 80
New Media Graphics Corporation 153-154
Newport Systems Solutions, Inc. 66,90,104
Nissan Shatai Computer Service Co., Ltd. 106,107,113
North Communications 118
Nth Graphics 136
Number Nine Computer Corp. 136

O

Okiok Data Ltd. 167
Olicom A/S 68,84-85
OLITEC 58
Omnicom Graphics Corporation 113,136
Online Products Corporation 50,155,164
On Target Associates 121-123
Optivision, Inc. 145
Opto 22 156,184-186
OptoWand Incorporated 160
Orchid Technology 137,152
Orsi Automazione S.p.A. 72,137,198
O.R.T. 114
Our Business Machines, Inc. 90,164
Overland Data, Inc. 195
OXUS Research S.A. 52

P

Pacific Image Communications, Inc. 124
Passport Communications, Inc. 99
PDS Ges.m.b.H. 68,167
Penny & Giles Data Recorders Ltd. 195
Pentax Technologies Corporation 160
Peripherals Enterprise Co., Ltd. 150
Philips - TRT 167
Pixelworks, Incorporated 138
Plexus Software, Inc. 145
PLX Technology 45-46
Polytechnic South West Satellite Centre 59
Polywell Computers 157
Ponsor Corporation 198
Practical Peripherals, Inc. 59
Praim S.r.L. 98
Procom Technology, Inc. 127,164
Proteon, Inc. 85
Psion-Dacom Plc 59
Pultek Corp. 59,138
PureData 72,80,85

Q

Quatech, Inc. 68,114,116,129,156,184,193

R

Rabbit Software Corporation 96,101
Racal-Datacom 167
Racore Computer Products, Inc. 85,91
Rampa Computer-Engineering 114,123
Rancho Technology, Inc. 164
Rapid Systems, Inc. 107
Rasterex (International) a.s. 139
Reach Technology Inc. 157,186
REINSA 139,186,193
Roland Corporation 155
R.P.T. Intergroups International Ltd. 59,81,91
Ruben Engineering Corporation 198

S

Safetran Systems 68
SAFEWARE Ges.m.b.H. 167
SAIT-DEVLONICS n.v. 201-202
Sangoma Technologies, Inc. 68
SANYO Electric Co., Ltd. 198
Sanyo Icon 128
Scan-Graphics, Inc. 160
Schneider & Koch & Co. Datensysteme GmbH 86,91
Scientific Solutions, Inc. 116,118
Sealevel Systems Inc. 68,186
Seattle Telecom & Data Inc. 47
Seel Ltd 105
SEJUS Corporation 116
Semco Italia S.r.L. 102-103
SGS-Thomson Microelectronics 46
Sherwood Digital Electronics Corp. 98
Siemens-Nixdorf Informationssysteme AG 68
Sigma Designs, Inc. 139-140
Skyvision Oy 140
Software Dynamics, Incorporated 96
Sonitech International, Inc. 157
Sorcus Computer GmbH 69,106,114,119,187
SOTEC GmbH & Co. KG 69,187
SPEA Software AG 140-141
Specialix, Inc. 187
Spectra-Physics Analytical 108
Spicer Corporation 146
SQN Peripherals, Inc. 160
Stac Electronics 157
Stallion Technologies Pty Ltd 150,187
Standard Microsystems Corporation 72,81
Star Gate Technologies, Inc. 187
STB Systems, Inc. 141,188,193
Stone Microsystems (Australia) Pty Ltd 91,141
Storage Concepts, Inc. 128
Storage Plus Inc. 165
Sumitomo Electric U.S.A., Inc. 92
SunRiver Corporation 92,93
Sutherland-Schultz Limited 93
Synapse Communications, Inc. 98
SYNAPTEL 52,59,105
Sysnet S.P.A. 60

T

TDT Francom 69
T.D.T. (Transfer Data Test GmbH) 105
TDX Peripherals, Inc. 195
TEAC America Inc. 196
Technology Concepts Ltd 188-189
Tecmar 150,153,196
Teldat, S.A. 51,105
Telecomputer, Inc. 153
Telephoto Communications, Inc. 146
TeleSensory 141-142
TELEWARE S.r.L. 60
Telindus Distribution S.A. 60-61,189
The Clusterlink Corporation 189

THE FAXGROUP 124-126,159
The Periscope Company, Inc. 123
The Software Forge Ltd. 69
The Software Lifeline, Inc. (TSLI) 190
Thomas-Conrad Corp. 72,81,86,93
Tiara Computer Systems, Inc. 73,82
TIL Systems Limited 106
Trantor Systems, Ltd. 165
Truevision 142

U

UDS Motorola 61-62
Ultra Network Technologies 93
Univision Technologies, Inc. 142

V

van den berg Elektronik GmbH 119,123
Ventek Corporation 142,146
Ven-Tel Inc. 62
Vermont Microsystems, Inc. 142,144
VideoLogic, Inc. 154
Vorax Corporation 93

W

Wall Data Incorporated 96
Warp Speed Light Pens, Inc. 147
Western Digital Corporation 46,144
Wiesemann & Theis GmbH 198

X

Xcom Multimedia Communicaitons 202
Xionics Inc. 146-147
Xtend Micro Products, Inc. 150,153
XYNOX Technology AB 62

Y

YARC Systems Corporation 47,198
Yoshikawa Electronics Co., Ltd. 114

Z

Ziatech Corporation 116

*Please place my order for the ninth
edition of the International Catalog of
Micro Channel Adapter Cards*

The cost is \$13.95 U.S. plus \$2.00 per copy for shipping and handling.
(Total price \$15.95 U.S.)

To place your order, please call Tecnicom's catalog department at **1-800-362-6134** or
FAX 1-216-349-4771, Attention: Catalog Department.

When paying by credit card, please call Tecnicom's Catalog Department.
(MasterCard and VISA accepted)

To place your order via FAX please fill out the form below and FAX to the attention of
the catalog department at 1-216-349-4771.

When paying by check or money order please fill out the form below and mail to:

Attention: CATALOG DEPARTMENT
Tecnicom Printing and Publishing Corporation
6810 Cochran Road
Solon, Ohio 44139
U.S.A.

Check Enclosed Money Order Enclosed
(Make check or money order payable to Tecnicom Corporation)

NAME (please print)

TITLE

COMPANY

ADDRESS

CITY/COUNTRY

STATE/PROVINCE

ZIP/POSTAL CODE

PHONE

FAX

(IF OUT OF THE UNITED STATES, PLEASE INCLUDE COUNTRY AND CITY CODE)

I am interested in placing an advertisement in the 10th edition of the International
Catalog of Micro Channel Adapter Cards, please contact me with further information.
(Please complete address information above)

Fold and Tape

Please Do Not Staple

Fold and Tape



NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES

BUSINESS REPLY MAIL

FIRST CLASS MAIL PERMIT NO 3835 SOLON, OH

POSTAGE WILL BE PAID BY ADDRESSEE

ATTN: CATALOG DEPARTMENT
TECNICOM PRINTING & PUBLISHING CORP.
6810 COCHRAN ROAD
SOLON, OHIO 44139-9937



Fold and Tape

Please Do Not Staple

Fold and Tape

FOR TOKEN RING

At all levels of a mission-critical network, you need fast response. In configuring the network. In exchanging data. In monitoring performance. And in getting technical help. For token ring, no one responds faster than Thomas-Conrad.

For more information on our full family of token ring products, call us today. ♦



LAN TIMES
READERS
CHOICE
1992



Enhanced Multistation
Access Units

COMMUNICATES

Choose Thomas-Conrad for high-speed communication that's compatible with the IBM® and IEEE standards. These adapters support 16-bit bus-mastering and non-bus-mastering IBM XT™ and AT™ compatibles, and 32-bit bus-mastering Micro Channel® bus machines. At 4- or 16Mbps, you save money with our built-in media filters, for direct connection to either unshielded or shielded twisted-pair cabling. And you can quickly pinpoint problems by checking the diagnostic LEDs on the end bracket.



4Mbps and 16Mbps
Token Ring Adapters

CONNECTS

Simplify network connectivity and reduce costs with Thomas-Conrad MAUs. They give you 16 ports – twice the usual number – plus diagnostic LEDs, enable/disable switches for each port, and a built-in AC power supply. And, they let you connect workstations on 4- or 16Mbps networks, using either unshielded or shielded twisted-pair cabling.

CONTROLS

Keep your token ring environment looking picture-perfect with our new, easy-to-use client/server-based diagnostic software called Sectra™. Sectra consists of two modules; a NetWare® Loadable Module for NetWare servers, and a client module for workstations.

Sectra lets you set alert threshold levels and control node access. It collects data in real time, and shows you exactly what's going on, so you can head off problems before they become critical. And, Sectra Client works with Microsoft® Windows™, giving you point-and-click access to network control functions.



Token Ring Network
Management Software



Only Thomas-Conrad gives you toll-free technical support, 7 days-a-week, 24 hours-a-day, absolutely FREE. And, we carefully test and burn in each product we manufacture in our Austin, Texas facility – that's your assurance of the highest quality and reliability.

1908-R Kramer Lane, Austin, TX 78758; (512) 836-1935
In Canada, (800) 654-3822

IBM, XT, AT and Micro Channel are trademarks or registered trademarks of IBM Corporation.
All other brand and product names are trademarks or registered trademarks of their respective companies.

800-332-8683


THOMAS • CONRAD
CORPORATION



International Business Machines Corporation
1000 51st Street
Boca Raton, FL 33431

Printed and Published by
Technicom Printing & Publishing Corporation
6810 Cochran Road
Solon, Ohio 44139
U.S.A.
June 1992

ISBN: 0-9632894-0-3

6360-2824-08



Printed On Recycled Paper

