



IBM RS/6000 7030 Workstation Upgrade Model 397 Features Powerful POWER2 SuperChip

Overview

The RS/6000™ 7030 Workstation Upgrade Model 397 is a powerful POWER2 SuperChip (P2SC) upgrade for currently installed 7030 Models 3AT, 3BT, and 3CT workstations.

The 7030 Model 397 upgrade comes with a 160MHz P2SC processor. This 32-bit RISC chip has 32KB of Level 1 instructional cache and either 64KB or 128KB of data cache, depending on the number of memory cards installed (two or four).

The base 128MB of memory can be expanded to 1GB to help run large, complex jobs entirely within memory to minimize performance degradation from disk paging. The Model 397 also features an extraordinary memory bandwidth of 2.56GB per second.

The Model 397 has an 80MB per second high-speed Micro Channel® I/O bus to help enhance overall throughput. This bus has four Micro Channel expansion slots that support the high-speed data streaming protocol for high-bandwidth data transfers.

The 7030 Model 397 is available only as an upgrade to existing 7030 systems. New production P2SC desktop systems are available only when you order the RS/6000 7012 Workstation/Server Model 397.

Intended Customers

Customers with installed RS/6000 7030 Models 3AT, 3BT, and 3CT that need improved performance

Key Prerequisites

- Installed RS/6000 7030 Models 3AT, 3BT, or 3CT
- AIX® Versions 4.1.5, 4.2, or 4.3

Purchase Price

\$17,500

Planned Availability Dates:

- October 31, 1997
- December 5, 1997 (with #2850 GXT800M Graphics Adapter)

At a Glance

The upgraded RS/6000 7030 Workstation Model 397 features a powerful new POWER2 SuperChip. The P2SC powers your most formidable applications with:

- Outstanding memory access and capacity — With extraordinary 2.56GB per second memory bandwidth and up to 1GB of memory capacity, you can process larger, more complex jobs entirely within memory to minimize performance reduction.
- Exceptional speed, storage, and expansion features — For outstanding I/O throughput, the Model 397 has a high-speed (80MB/second) 32-bit Micro Channel I/O bus with four expansion slots, two disk/media bays, and an integrated SCSI-2 Fast/Wide controller.
- Outstanding compatibility — Works with thousands of AIX applications and many of IBM's Micro Channel-based 2-D and 3-D graphics accelerators.
- Price-to-performance ratio — Substantial performance improvements over Model 3AT, 3BT, or 3CT predecessor systems, making it an excellent performer.
- Investment protection — Existing POWER2-based 3XX workstations can be upgraded easily to take advantage of the outstanding performance and expandability of the Model 397.

For ordering, contact:

Your IBM representative, an IBM Business Partner, or IBM North America Sales Centers at

800-IBM-CALL

Reference: RE010

This announcement is provided for your information only. For additional information, contact your IBM representative, call 800-IBM-4YOU, or visit the IBM home page at: <http://www.ibm.com>.

Description

To keep up with a growing business, this desktop uniprocessor offers flexible storage and expansion convenience with both SCSI-2 and Serial Storage Architecture (SSA) interfaces. SSA provides outstanding performance compared to SCSI-2, increased storage capacity, RAID-5 support, and high-availability configurations with dual ports for no single-point-of-failure.

The Model 397 can be configured with over 27GB of the internal SCSI-2 disk drives. As your needs continue to grow, you can add external disk storage of up to 1.5 terabytes (TB) with external SCSI-2 storage devices or up to 3.4TB with external SSA storage devices.

Rounding out the Model 397 system are a 20X (Max) SCSI-2 CD-ROM and 3.5-inch diskette drives, an integrated SCSI-2 Fast/Wide controller, two serial ports, one parallel port, and Ethernet and tablet ports.

Product Positioning

The 7030 Workstation Upgrade Model 397 provides a POWER2 SuperChip upgrade for installed 7030-3AT, 3BT, or 3CT workstations.

The P2SC is a powerful new innovation resulting from the integration of the eight-chip POWER2 technology into a single chip. This phenomenal integration in design and manufacturing delivers outstanding price-to-performance ratio.

The P2SC is the most sophisticated single-chip processor yet announced by IBM, with six instructions per cycle execution capability, 160KB of on-chip cache, and a total transistor count of 15 million (about six million more than the next largest IBM microprocessor).

The P2SC technology provides the Model 397 with its extraordinary memory bandwidth (2.56GB per second) and fast floating-point execution.

Reference Information

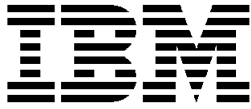
Refer to Hardware Announcement 197-267, dated October 6, 1997, for the RS/6000 7012 Workstation/Server Model 397.

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IBM US Announcement Supplemental Information

October 6, 1997

Feature Matrix

The following feature availability for MT 7030 uses:

- A to indicate features that can be ordered on the specified models.
- S indicates a feature supported on the new model during a model conversion; these features will work on the new model, but additional quantities of these features cannot be ordered on the new model; they can only be removed.
- N indicates that the feature is not supported on the new model and must be removed during the model conversion.

As additional features are announced, supported, or withdrawn, this list will be updated. Contact your IBM representative for additional information.

Feature Number	Description
0003	N Light Manufacturing Order Indicator — Empty
0986	S CCS Customer Service Specify (U.S.)
1010	S Keyboard — U.S. English Soft Touch Select (U.S./Canada Only)
1101	A Non-Locking Switch
1110	S Keyboard — U.S. English Soft Touch (U.S./Canada Only)
1906	N Fibre Channel Adapter/266
2390	N 540MB SCSI-2 Disk Drive
2391	N 400MB to 540MB SCSI-2 Disk Drive Select
2400	N M-Video Capture Adapter (NTSC)
2404	A Ultimedia (R) Video I/O Adapter
2405	A Ultimedia Video Compression/Decompression Card
2410	S SCSI-2 High-Performance External I/O Controller
2412	A Enhanced SCSI-2 Differential Fast/Wide Adapter/A
2415	A IBM SCSI-2 Fast/Wide Adapter/A
2416	A IBM SCSI-2 Differential Fast/Wide Adapter/A
2420	S SCSI-2 Differential High-Performance External I/O Controller
2422	A SCSI-2 Differential Y-Cable
2423	A SCSI-2 Differential System to System Cable
2424	A 0.6M 16-bit SCSI-2 System to System Cable
2425	A 2.5M 16-bit SCSI-2 System to System Cable
2426	A 16-bit Y-Cable For IBM SCSI-2 Differential Fast/Wide Adapter/A
2427	A 8-bit Y-Cable for IBM SCSI-2 Differential Fast/Wide Adapter/A
2435	A 16-bit IBM SCSI-2 Fast/Wide Adapter/A to Dual Ported Device Cable
2436	A 16-bit IBM SCSI-2 Differential Fast/Wide Adapter/A to Dual Ported Device Cable
2437	A 8-bit IBM SCSI-2 Fast/Wide Adapter/A to Dual Ported Device Cable
2438	A 8-bit IBM SCSI-2 Differential Fast/Wide Adapter/A to Dual Ported Device Cable
2439	A 8-bit IBM SCSI-2 Fast/Wide Adapter/A to Single-Ported Device Cable
2555	S 1GB SCSI-2 Disk Drive
2556	S 400MB to 1GB SCSI-2 Disk Drive Select
2560	N 400MB SCSI Disk Drive
2580	S 2GB SCSI-2 Disk Drive
2582	S 400MB to 2GB SCSI-2 Disk Drive Select

3 9 7	A = Available S = Supported N = Not Supported, Must Be Removed
2583	S 1GB to 2GB SCSI-2 Disk Drive Select
2583	S 1GB to 2GB SCSI-2 Disk Drive Select
2586	S 2GB SCSI-2 Fast/Wide Disk Drive
2588	S 1GB to 2GB SCSI-2 Fast/Wide Disk Drive Select
2603	S Internal CD-ROM-2
2604	S 600MB SCSI-2 Double Speed Tray-loading CD-ROM
2616	S Quad Speed Tray Loading CD-ROM
2618	S 8X Speed Tray Loading CD-ROM
2619	A 20X (Max) SCSI-2 CD-ROM Drive
2630	S Internal 1.2GB 1/4-Inch Cartridge Tape Drive
2641	S GT4E to 7250 Attachment Adapter Select
2642	S GT3I to 7250 Attachment Adapter Select
2650	A POWER GXT150M (TM) Graphics Adapter
2651	N POWER GXT150M to 7235 POWER GTO (TM) Accelerator Select
2652	S POWER GXT150M to POWER Gt4e (TM) 24-bit Graphics Adapter Select
2653	N POWER GXT150M to POWER Gt4xi (TM) 8-bit Graphics Adapter Select
2654	S POWER GXT150M to POWER Gt4xi 24-bit Graphics Adapter Select
2655	S POWER GXT150M to IBM 7250 Attachment Adapter Select
2656	S POWER GXT150M to POWER Gt3i (TM) Select
2659	N POWER Gt4i (TM) 24-bit Graphics Adapter Select
2700	A 4-Port Multiprotocol Communications Controller
2702	A Multiprotocol Attachment Cable — V.35
2704	A Multiprotocol Attachment Cable — X.21
2705	A 4-Port Multiprotocol Interface Cable
2706	A Multiprotocol Modem Attachment Cable — EIA-232/V.24
2707	A Eicon ISDN DIVA MCA Adapter
2711	N POWER Gt4xi 8-bit Graphics Adapter
2712	S POWER Gt4xi 24-bit Graphics Adapter
2713	N POWER Gt4i 24-bit Graphics Adapter
2714	N POWER Gt3i to POWER Gt4xi 8-bit Select
2715	S POWER Gt4e to POWER Gt4xi 24-bit Select
2716	N POWER Gt4e to POWER Gt4xi 8-bit Select
2717	N POWER Gt4e to POWER Gt4i 24-bit Select
2718	N POWER Gt3i to POWER Gt4i 24-bit Select
2719	S POWER Gt3i to POWER Gt4xi 24-bit Select
2723	A FDDI-Fiber Dual-Ring Upgrade
2724	A FDDI-Fiber Single-Ring Adapter
2725	S FDDI-STP Single-Ring Adapter
2726	S FDDI-STP Dual-Ring Upgrade
2754	A S/390 (R) ESCON (R) Channel Emulator
2755	A Block Multiplexer Channel Adapter
2756	A ESCON Control Unit Adapter
2757	A Block Multiplexer Channel Adapter Cable
2758	A Block Multiplexer Channel Cable Assembly
2759	A System/370 (TM) Channel Emulator/A
2760	N Grayscale Graphics Display Adapter
2762	S POWER Gt3i to POWER GXT150M Graphics Adapter Select
2768	S POWER Gt3i
2770	N Color Graphics Display Adapter
2776	S POWER Gt4e
2790	N POWER Gt4x (TM) 8-bit Feature
2792	N POWER Gt4 (TM) 8-bit to 24-bit Upgrade
2794	N POWER Gt4 Performance Upgrade
2795	N POWER Gt4 8-bit Feature
2800	N System/370 Host Interface Adapter
2801	N 5086 Attachment Adapter
2802	N 5085 Attachment Adapter
2805	S POWER Gt3i to POWER Gt4e Graphics Adapter Select
2806	N POWER Gt3i to POWER Gt4 8-bit Feature Select
2807	N POWER Gt3i to POWER Gt4x 8-bit Feature Select
2808	N POWER Gt3i to 7235 POWER GTO Accelerator Feature Select

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3 9 7	A = Available S = Supported N = Not Supported, Must Be Removed
2810	A Graphics Input Device Adapter
2811	A Graphics Input Device Cable
2815	N POWER Gt4e to POWER Gt4 24-bit Adapter Select
2816	N POWER Gt4e to POWER Gt4X 8-bit Adapter Select
2817	N POWER Gt4e to POWER Gt4x 24-bit Adapter Select
2820	A IBM 7250 Attachment Adapter
2832	A SCSI Controller Cable
2833	S Integrated SCSI Controller Cable
2835	A SCSI High-Performance External I/O Controller
2836	A SCSI-2 Controller Cable
2850	A IBM POWER GXT800M Graphics Adapter
2914	S SCSI-2 Passthrough Terminator Cable (50-Pin)
2915	S SCSI Controller Passthrough Terminator Cable (60-Pin)
2923	A Cable Option EIA 530 RS 422
2924	A ARTIC960 Coprocessor (4 MB)
2926	A Cable Option ISO 4902 V.36
2927	A Cable Option ISO 4903 X.21
2929	A ARTIC960 Coprocessor, 8-port EIA-232
2930	A 8-Port Asynchronous Adapter — EIA-232
2934	A Asynchronous Terminal/Printer Cable EIA-232
2935	A ARTIC960 Coprocessor, 6-port V.36
2936	A Asynchronous Cable EIA-232/V.24
2937	A Printer/Terminal Interposer — EIA-232
2938	A ARTIC960 Coprocessor, 8-port X.21
2939	A ARTIC960 8-port EIA-232 Cable
2940	A 8-Port Asynchronous Adapter — EIA-422A
2941	A ARTIC960 6-port V.36 Cable
2942	A ARTIC960 6-port X.21 Cable
2945	A Asynchronous Terminal Cable — EIA-422A
2959	S 1-Port Multiprotocol Communications Adapter
2960	A X.25 Interface Co-Processor/2 Adapter
2964	S IBM 10/100 Mbps Ethernet MC Adapter / UNI
2965	S X.25 Attachment Cable X.21 — 3-Meter (10 Ft.)
2966	S X.25 Attachment Cable V.24 — 3-Meter (10 Ft.)
2967	S X.25 Attachment Cable V.35 — 3-Meter (10 Ft.)
2970	S Token-Ring High-Performance Network Adapter
2972	A IBM Auto Token-Ring LANStreamer (R) 32 MC Adapter
2976	A X.25 Attachment Cable X.21 — 6-Meter (20 Ft.)
2977	A X.25 Attachment Cable V.24 — 6-Meter (20 Ft.)
2978	A X.25 Attachment Cable V.35 — 6-Meter (20 Ft.)
2980	A Ethernet High-Performance LAN Adapter
2984	S TURBOWAYS (TM) 100 ATM Adapter
2989	A TURBOWAYS 155 ATM Adapter
2990	S 3270 Connection Adapter — U.S.
2992	A Ethernet/FDX 10 Mbps TP/AUI MC Adapter
2993	A Ethernet 10 Mbps BNC MC Adapter
2994	A IBM 10/100 Mbps Ethernet MC Adapter
2995	A Multiport Interface Cable
3000	A 4.5GB SCSI-2 F/W 1-inch (25-mm) High Disk Drive
3010	A 9.1GB SCSI-2 F/W Disk Drive
3015	S 9.1GB SCSI-2 F/W Disk Drive Select
3032	S 1.1GB SCSI-2 F/W Disk Drive
3033	S 2.2GB SCSI-2 F/W Disk Drive
3034	S 4.5GB SCSI-2 F/W Disk Drive
3040	S 1.1GB SCSI-2 Fast/Wide Disk Drive Select
3043	S 2.2GB SCSI-2 Fast/Wide Disk Drive Select
3047	S 4.5GB SCSI-2 Fast/Wide Disk Drive Select
3100	A PC Parallel Printer Cable
3124	A Serial to Serial Port Cable for Drawer/Drawer
3125	A Serial to Serial Port Cable for Rack/Rack
3130	A SCSI Device to Device Cable
3600	S POWERdisplay 16
3601	S POWERdisplay 19
3602	S POWERdisplay 16 to POWERdisplay 19 Select
3606	S POWERdisplay 17 to POWERdisplay 19 Select
3607	S POWERdisplay 17
3608	S POWERdisplay 20
3609	S POWERdisplay 17 to POWERdisplay 20 Select
3610	S P200 Color Monitor Select
3611	S P70 Color Monitor to P201 Color Monitor Select
3612	S P50 Color Monitor
3613	A P70 Color Monitor
3614	A P200 Color Monitor
3615	A P201 Color Monitor
3750	A Service Publications and Wrap Plugs Kit
4040	N 0.5MB L2 Cache
4041	N 1MB L2 Cache
4045	N 0.5MB L2 Cache
4046	N 1MB L2 Cache
4050	N 64MB Processor Card SIMM Memory Select
4051	N 128MB Processor Card SIMM Memory Select
4052	N 256MB Processor Card SIMM Memory Select
4053	N 32MB Processor Card SIMM Memory
4054	N 64MB Processor Card SIMM Memory

3 9 7	A = Available S = Supported N = Not Supported, Must Be Removed
4055	N 128MB Processor Card SIMM Memory
4056	N 256MB Processor Card SIMM Memory
4066	N 16MB HD3 Memory Card
4067	N 32MB HD3 Memory Card
4068	N 16MB to 32MB HD3 Memory Select
4069	N 64MB HD3 Memory Card
4071	N 32MB to 64MB HD3 Memory Select
4074	N 16MB to 64MB HD3 Memory Select
4086	A 32MB S6 Memory Card
4087	A 64MB S6 Memory Card
4088	A 128MB S6 Memory Card
4089	A 256MB S6 Memory Card
4090	N 128MB Memory Card
4091	N 16MB to 128MB Memory Select
4092	N 32MB to 128MB Memory Select
4095	N 256MB Memory Card
4096	N 32MB to 256MB Memory Select
4099	N 16MB to 256MB Memory Select
4213	A 13W3 to 15-Pin D-Shell Converter Cable
4214	A 13W3 to 60/77Hz Display Cable
4217	N 6091 Attachment Cable
4221	A Ethernet AUI/Thin Riser
4222	A Ethernet Twisted Pair Riser
4224	A Ethernet 10BaseT Transceiver
4227	A Sun Compatible Display Converter Cable
4229	A 13W3 to PowerDisplay 16S Display Cable
4234	A 13W3 to 13W3 Display Cable
4236	A 13W3 to 3W3 Display Cable
4350	N POWERgraphics GTO Accelerator Feature
5032	N 32MB Memory SIMM Kit
5033	A S6 Memory MES Upgrade Kit, 32MB TO 64MB
5034	A S6 Memory MES Upgrade Kit, 32MB TO 128MB
5035	A S6 Memory MES Upgrade Kit, 32MB TO 256MB
5036	A S6 Memory MES Upgrade Kit, 64MB TO 128MB
5037	A S6 Memory MES Upgrade Kit, 64MB TO 256MB
5038	A S6 Memory MES Upgrade Kit, 128MB TO 256MB
5064	N 64MB Memory SIMM Kit
5128	N 128MB Memory SIMM Kit
6010	S Keyboard — 101 Keys (US)
6015	S Keyboard — 102 Keys (French)
6016	S Keyboard — 102 Keys (German)
6017	S Keyboard — 102 Keys (Italian)
6021	S Keyboard — 102 Keys (Spanish)
6030	S Keyboard — 106 Keys (Japanese — Kanji)
6041	A 3-Button Mouse
6142	A 4GB/8GB 4MM Internal Tape Drive
6147	A 5GB/10GB 8MM Internal Tape Drive
6154	A 20/40GB 16-bit 8mm Internal Tape Drive
6216	A Enhanced 4-Port SSA Serial Adapter, MCA
6217	A IBM SSA 4-port RAID Adapter
6300	S Digital Trunk Adapter
6301	N M-Audio Capture Playback Adapter
6302	A IBM UltimeMedia Audio Adapter
6304	S IBM UltimeMedia Audio Adapter Select
6305	A Digital Trunk Dual Adapter
6306	N IBM Speech Accelerator 1
6307	N IBM Speech Accelerator 2
6509	A Media Bay Disk Drive Mounting Kit
6599	A Optional Keyboard Cable with Speaker
6600	A Quiet Touch Keyboard, US English, #103P
6601	A Quiet Touch Keyboard, French, #189
6602	A Quiet Touch Keyboard, Italian, #142
6603	A Quiet Touch Keyboard, German/Austrian, #129
6604	A Quiet Touch Keyboard, UK English, #166
6605	A Quiet Touch Keyboard, Spanish, #172
6606	A Quiet Touch Keyboard, Japanese, #194
6607	A Quiet Touch Keyboard, Brazilian Portuguese, #275
6608	A Quiet Touch Keyboard, Canadian Portuguese, #058
6609	A Quiet Touch Keyboard, Belgian/UK-Flemish, #120
6610	A Quiet Touch Keyboard, Belgian/French, #120
6611	A Quiet Touch Keyboard, Swedish/Finnish, #153
6612	A Quiet Touch Keyboard, Danish, #159
6613	A Quiet Touch Keyboard, Bulgarian, #442
6614	A Quiet Touch Keyboard, Swiss, French/German, #150f/g
6616	A Quiet Touch Keyboard, Norwegian, #155
6617	A Quiet Touch Keyboard, Dutch, #143
6618	A Quiet Touch Keyboard, Portuguese, #163
6619	A Quiet Touch Keyboard, Greek, #319
6620	A Quiet Touch Keyboard, Hebrew, #212
6621	A Quiet Touch Keyboard, Hungarian, #208
6622	A Quiet Touch Keyboard, Icelandic, #197
6623	A Quiet Touch Keyboard, Polish, #214
6624	A Quiet Touch Keyboard, Romanian, #446
6625	A Quiet Touch Keyboard, Slovakian, #245
6626	A Quiet Touch Keyboard, Czech, #243

	3 9 7	A = Available S = Supported N = Not Supported, Must Be Removed
6627	A	Quiet Touch Keyboard, Turkish, #179
6628	A	Quiet Touch Keyboard, Turkish, #440
6629	A	Quiet Touch Keyboard, LA Spanish, #171
6630	A	Quiet Touch Keyboard, Arabic, #238
6632	A	Quiet Touch Keyboard, Serbian-Cyrillic, #118
6633	A	Quiet Touch Keyboard, Korean, #413
6634	A	Quiet Touch Keyboard, Chinese/US, #467
6635	A	Quiet Touch Keyboard, French Canadian, #445
6636	A	Quiet Touch Keyboard, Thailand, #191
6638	A	Quiet Touch Keyboard, Russian, #443
6639	A	Quiet Touch Keyboard, Croatian, #105
6640	A	Quiet Touch Keyboard, US English ISO9995, #103P (EMEA)
7006	A	IBM Realtime Interface Co-Processor: Portmaster (R) Adapter/A (1MB)
7042	A	IBM Realtime Interface Co-Processor: 8-Port RS-232 Interface Board/A
7044	A	IBM Realtime Interface Co-Processor: 8-Port RS-422 Interface Board/A
7046	A	IBM Realtime Interface Co-Processor: 6-Port V.35 Interface Board/A
7048	A	IBM Realtime Interface Co-Processor: 6-Port X.21 Interface Board/A
7106	A	IBM Realtime Interface Co-Processor: 6-Port V.35 Cable
7107	A	IBM Realtime Interface Co-Processor: V.35 Network Cable
7108	A	IBM Realtime Interface Co-Processor: 8-port EIA-232/422 Cable
7110	A	IBM Realtime Interface Co-Processor: 6-Port X.21 Cable
7111	A	IBM Realtime Interface Co-Processor: X.21 Network Cable
8128	A	128-Port Asynchronous Controller
8130	A	Remote Asynchronous Node 16-Port EIA-232 (US)
8131	A	128-Port Asynchronous Controller Cable, 4.5 Meter
8132	A	128-Port Asynchronous Controller Cable, 23cm (9-Inch)
8133	A	RJ-45 to DB-25 Converter Cable
8135	A	64-Port to 128-Port Pin-Out Converter
8136	A	Rack Mountable Remote Asynchronous Node 16-Port EIA-232
8137	A	Enhanced Asynchronous Node 16-Port EIA-232
8138	A	Enhanced Asynchronous Node 16-Port EIA-422
8A0765	N	MG24 MCA GRAPHICS ADAPTER SEL FROM FC 9990
8A0766	N	MG24 MCA GRAPHICS ADAPTER SEL FROM FC 9988
8A0836	N	MG24 Graphics Adapter
8A0871	N	MG24 Graphics Adapter Select
9000	S	Ethernet AUI/Thin Riser Specify
9001	S	Ethernet Twisted Pair Riser Specify
9004	A	Southern Hemisphere Designator for Monitors
9010	S	Keyboard Specify — U.S. 101 Keys
9011	S	Keyboard Specify — 102 Keys (Belgian-Dutch/ French)
9012	S	Keyboard Specify — 102 Keys (Canadian French)
9013	S	Keyboard Specify — 102 Keys (Danish)
9014	S	Keyboard Specify — 102 Keys (Finnish)
9015	S	Keyboard Specify — 102 Keys (French)
9016	S	Keyboard Specify — 102 Keys (German)
9017	S	Keyboard Specify — 102 Keys (Italian)
9019	S	Keyboard Specify — 102 Keys (Norwegian)
9020	S	Keyboard Specify — 102 Keys (Portuguese)
9021	S	Keyboard Specify — 102 Keys (Spanish)
9022	S	Keyboard Specify — 102 Keys (Swiss)
9023	S	Keyboard Specify — 102 Keys (United Kingdom — English)
9024	S	Keyboard Specify — 102 Keys (Icelandic)
9025	S	Keyboard Specify — 102 Keys (Turkish)
9026	S	Keyboard Specify — 102 Keys (Greek)
9027	S	Keyboard Specify — 102 Keys (Hebrew)
9028	S	Keyboard Specify — 102 Keys (Arabic)
9030	S	Keyboard Specify — 106 Keys (Japanese — Kanji)
9031	S	Keyboard Specify — 106 Keys (Korean)
9033	S	Keyboard Specify — 106 Keys (Chinese Traditional — Taiwan)
9034	S	Keyboard Specify — Dutch #143 (Netherlands)
9035	S	Keyboard Specify — Turkish #440
9041	S	3-Button Mouse Specify
9221	S	3-1/2 Inch 1.44MB Diskette Drive Specify
9234	N	16MB HD3 Memory Specify
9235	N	32MB HD3 Memory Specify
9239	N	32MB Processor Card SIMM Memory Specify
9244	N	400MB SCSI Disk Drive Specify
9249	S	1GB SCSI-2 Disk Drive Specify

	3 9 7	A = Available S = Supported N = Not Supported, Must Be Removed
9300	A	Language Group Specify — U.S. English
9610	S	POWERdisplay 16 Specify
9612	S	POWERdisplay 17 Specify
9617	S	Base P70 Color Monitor
9650	S	POWER GXT150M Specify
9712	A	Language Group Specify — Canadian French
9800	S	Power Cord Specify — United States/Canada
9986	S	Power Cord Specify — Chicago (125V, 15A) (1.8M)(6 Ft.)
9988	S	POWER Gt3i Specify
9990	S	POWER Gt4e Specify

Publications

The 7030 Workstation Upgrade Model 397 information is included in the 7012 300 Series publications. The following publications are shipped with the product. Additional copies are available. To order, contact your IBM representative.

Title	Order Number
RS/6000™ 7012 300 Series Operator Guide	SA38-0544
RS/6000 7012 300 Series Installation and Service Guide	SA38-0545

The System Library Subscription Service (SLSS) is available by order number only. Customers currently subscribing to SLSS will receive publication updates automatically.

Technical Information

Specified Operating Environment

Physical Specifications

- Weight and Physical Size
 - Width: 442 mm (17.4 inches)
 - Depth: 478 mm (18.8 inches)
 - Height: 102 mm (6.4 inches)
 - Weight: 18.1 kg to 21.8 kg (40 pounds to 48 pounds)
- Voltage:
 - 100 V to 125 V Nominal, Auto Ranging
 - 200 V to 240 V Nominal, Auto Ranging
 - 50Hz/60Hz
- Power Supply: 250 watts (typical)
- Thermal Output: 403 Joules (1374 Btu per hour)
- Power Source Loading: 0.25 kVA

Operating Environment

EMC Conformance Classification

- U.S.A.: FCC Class A
- Germany: EN 55022 Class A
- Europe and New Zealand: CISPR 22 Class A — CEMARK A
- Japan: VCCI-1
- Temperature: 16° to 32°C (60.8° to 89.6°F)
- Relative humidity:
 - 8% to 80% (product power on, no tape media)
 - 20% to 80% (product power on, with tape media)

- Maximum wet bulb: 23°C (73°F)
- Noise emission: Declared (upper limit) sound power level for a random sample of machines:
 - Operating: 5.7 Bels
 - Idle: 5.5 Bels
- Mean Value of the A-Weighted Sound Pressure levels at one-meter (bystander) positions for a random sample of machines:
 - Operating: 45 dBa
 - Idle: 44 dBa

The Model 397 was developed in compliance with corporate policy letter number 139 (Environmental Affairs).

Environmental Impact Assessment: The Model 397 is in compliance with Corporate Standard C-S 3-0527-002 (1991-06) Control of Chemicals in IBM Facilities, Requirements, and Responsibilities.

Product Safety/Country Testing/Certification

- U.S.A.: UL
- Canada: CSA
- Germany: GS Mark (Safety, TUV)
- Europe: EN60-950

Telecom Environmental Testing (Safety and EMC): Homologation approval for specific countries has been initiated with the IBM Homologation and Type Approval (HT&A) organization in LaGaude.

This IBM RS/6000 model and applicable features meet the environmental testing requirements of the country telecom and have been designed and tested in compliance with the Full Quality Assurance Approval (FQAA) process as delivered by the British Approval Board for Telecom (BABT), the UK Telecom Regulatory authority.

Hardware Requirements: IBM supported terminal or IBM supported display, display adapter, and keyboard.

Software Requirements: AIX® Version 4.1.5, 4.2.1, or 4.3

Limitations

- Memory cards must be installed in pairs or quads
- All installed memory cards must be of the same capacity

POWER GXT800M Graphics Adapter (#2850)

- The POWER GXT800M must be placed in slot 3 of the Model 397. Its hardware design blocks portions of slots 1 and 2, limiting those slots to short adapters. The GXT800M also has components that protrude into the space of slot 4, restricting the use of certain adapters as described below.
- No other graphics adapters can be installed in conjunction with the POWER GXT800M.
- The following adapters can be installed in slots 1 and 2 when the POWER GXT800M is installed:
 - (#2707) — Eicon ISDN DIVA MCA Adapter
 - (#2990) — 3270 Connection Adapter — US
 - (#2991) — 3270 Connection Adapter — EMEA
 - (#6302) — IBM Ultimedia Audio Adapter
- The following adapters cannot be used with the POWER GXT800M:
 - (#2404) — IBM Ultimedia Video I/O Adapter
 - (#2405) — IBM Ultimedia Video Compression/Decompression Card

- (#2412) — Enhanced SCSI-2 Differential Fast/Wide Adapter/A
- (#2415) — IBM SCSI-2 Fast/Wide Adapter/A
- (#2416) — IBM SCSI-2 Differential Fast/Wide Adapter/A
- (#2650) — POWER GXT150M Graphics Adapter
- (#2712) — POWER Gt4xi 24-bit Graphics Adapter
- (#2723) — FDDI-Fiber Dual-Ring Upgrade
- (#2726) — FDDI-STP Dual-Ring Upgrade
- (#2754) — S/390 ESCON Channel Emulator
- (#2756) — ESCON Control Unit Adapter
- (#2768) — POWER Gt3i
- (#2776) — POWER Gt4e
- (#2820) — IBM 7250 Attachment Adapter
- (#2924) — ARTIC960 Coprocessor (4MB)
- (#2929) — ARTIC960 Coprocessor, 8-port EIA-232
- (#2935) — ARTIC960 Coprocessor, 6-port V.36
- (#2938) — ARTIC960 Coprocessor, 8-port X.21
- (#2984) — TURBOWAYS 100 ATM Adapter
- (#9650) — POWER GXT150M Specify
- (#9988) — POWER Gt3i Specify
- (#9990) — POWER Gt4e Specify
- (#2641) — Gt4e to 7250 Attachment Adapter Select
- (#2642) — Gt3i to 7250 Attachment Adapter Select
- (#2652) — POWER GXT150M to POWER Gt4e 24-bit Graphics Adapter Select
- (#2654) — POWER GXT150M to POWER Gt4xi 24-bit Graphics Adapter Select
- (#2656) — POWER GXT150M to POWER Gt3i Select
- (#2715) — POWER Gt4e to POWER Gt4xi 24-bit Select
- (#2719) — POWER Gt3i to POWER Gt4xi 24-bit Select
- (#2762) — POWER GXT150M Graphics Adapter Select
- (#2805) — POWER Gt3i to POWER Gt4e Graphics Adapter Select
- (#7006) — IBM Realtime Interface Co-Processor: Portmaster Adapter/A (1MB)
- (#7042) — IBM Realtime Interface Co-Processor: 8-Port RS-232 Interface Board/A
- (#7044) — IBM Realtime Interface Co-Processor: 8-Port RS-422 Interface Board/A
- (#7046) — IBM Realtime Interface Co-Processor: 6-Port V.35 Interface Board/A
- (#7048) — IBM Realtime Interface Co-Processor: 6-Port X.21 Interface Board/A

Planning Information

Cable Orders: No additional cables are required.

Security, Auditability, and Control

This product uses the security and auditability features of host hardware, software and application software.

The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communications facilities.

Terms and Conditions

This product is available for purchase under the terms of the IBM Customer Agreement.

IBM hardware products are manufactured from new parts, or new and used parts. In some cases, the hardware product may have been previously installed. Regardless, IBM's warranty terms apply.

IBM Credit Corporation Financing: Yes

Warranty Period: One year

Warranty Service: IBM On-Site Repair (IOR)

Alternate Service: IOR

Maintenance Service: IOR

Usage Plan Machine: No

IBM Hourly Service Rate Classification: Two

Mid-Range System Option: Yes

Eligible Type	Discount	
	Three-Year	Five-Year
7030-397	12%	17%

Corporate Service Option: Yes

	Discount	
	Three-Year	Five-Year
Network System	15%	20%
	12%	17%

Extended Maintenance Option: Yes

Central Facility Maintenance Service (CFMS) Option: No

When a type of service involves the exchange of a machine part, the replacement may not be new, but will be in good working order.

Rental Offering: No

Product Availability Status: Yes

Field-Installable Features: Yes

Model Conversions: Yes

Customer Setup: No

Graduated Charges: Yes

Group Number: E5

Licensed Machine Code: IBM Licensed Machine Code provided with the RS/6000 7030 Model 397 is licensed for use by a customer on a specific machine, designated by serial number, under the terms and conditions of the IBM Agreement for Licensed Machine Code.

Educational Allowance: A reduced charge is available to qualified education customers. The educational allowance may not be added to any other discount or allowance.

Charges

Machine Type 7030-397

Description	MMMC*
RS/6000	\$269

* Monthly minimum maintenance charge in the United States or other countries or both.

Description	Feature Number	Purchase Price	Initial/MES/Both
20X (Max) SCSI-2 CD-ROM Drive	2619	\$ 550	MES
Eicon ISDN DIVA MCA Adapter	2707	995	MES
POWER GXT800M Graphics Adapter	2850	12,000	MES
Cable Option EIA 530 RS 422	2923	575	MES
ARTIC960 Coprocessor (4MB)	2924	3,495	MES
Cable Option ISO 4902 V.36	2926	575	MES
Cable Option ISO 4903 X.21	2927	575	MES
ARTIC960 Coprocessor, 8-port EIA-232	2929	3,495	MES
8-Port Asynchronous Adapter — EIA-232	2930	832	MES
ARTIC960 Coprocessor, 6-port V.36	2935	3,495	MES
ARTIC960 Coprocessor, 8-port X.21	2938	3,495	MES
ARTIC960 8-port EIA-232 Cable	2939	365	MES
8-Port Asynchronous Adapter — EIA-422A	2940	936	MES
ARTIC960 6-port V.36 Cable	2941	510	MES
ARTIC960 6-port X.21 Cable	2942	325	MES
Asynchronous Terminal Cable — EIA-422A	2945	130	MES
IBM 10/100 Mbps Ethernet MC Adapter	2994	795	MES
Multipoint Interface Cable	2995	384	MES
4.5GB SCSI-2 F/W 1-inch (25 mm) High Disk Drive	3000	1,950	MES

Description	Feature Number	Purchase Price	Initial/MES/Both
Serial to Serial Port Cable for Drawer/Drawer	3124	\$ 80	MES
Serial to Serial Port Cable for Rack/Rack	3125	80	MES
32MB S6 Memory Card	4086	1,600	MES
64MB S6 Memory Card	4087	3,200	MES
128MB S6 Memory Card	4088	5,120	MES
256MB S6 Memory Card	4089	10,240	MES
S6 Memory MES Upgrade Kit, 32MB TO 64MB	5033	3,200	MES
S6 Memory MES Upgrade Kit, 32MB TO 128MB	5034	5,120	MES
S6 Memory MES Upgrade Kit, 32MB TO 256MB	5035	10,240	MES
S6 Memory MES Upgrade Kit, 64MB TO 128MB	5036	5,120	MES
S6 Memory MES Upgrade Kit, 64MB TO 256MB	5037	10,240	MES
S6 Memory MES Upgrade Kit, 128MB TO 256MB	5038	10,240	MES
3-Button Mouse	6041	75	MES
20/40GB 16-bit 8 mm Internal Tape Drive	6154	6,250	MES
Enhanced 4-Port SSA Serial Adapter, MCA	6216	2,000	MES
IBM SSA 4-port RAID Adapter	6217	3,250	MES
Optional Keyboard Cable with Speaker	6599	35	MES
Quiet Touch Keyboard:			
U.S. English, #103P	6600	100	MES
French, #189	6601	100	MES
Italian, #142	6602	100	MES
German/Austrian, #129	6603	100	MES
U.K. English, #166	6604	100	MES
Spanish, #172	6605	100	MES
Japanese,#194	6606	100	MES
Brazilian Portuguese, #275	6607	100	MES
Canadian French, #058	6608	100	MES
Belgian/UK-Flemish, #120	6609	100	MES
Belgian/French, #120	6610	100	MES
Swedish/Finnish, #153	6611	100	MES
Danish,#159	6612	100	MES
Bulgarian, #442	6613	100	MES
Swiss, French/German, #150f/g	6614	100	MES
Norwegian, #155	6616	100	MES
Dutch, #143	6617	100	MES
Portuguese, #163	6618	100	MES
Greek, #319	6619	100	MES
Hebrew, #212	6620	100	MES
Hungarian,#208	6621	100	MES
Icelandic, #197	6622	100	MES
Polish, #214	6623	100	MES
Romanian, #446	6624	100	MES
Slovakian, #245	6625	100	MES
Czech, #243	6626	100	MES
Turkish, #179	6627	100	MES
Turkish, #440	6628	100	MES
LA Spanish, #171	6629	100	MES
Arabic, #238	6630	100	MES
Serbian-Cyrillic, #118	6632	100	MES
Korean, #413	6633	100	MES
Chinese/U.S., #467	6634	100	MES
French Canadian, #445	6635	100	MES
Thailand, #191	6636	100	MES
Russian, #443	6638	100	MES
Croatian, #105	6639	100	MES
U.S. English ISO9995, #103P (EMEA)	6640	100	MES
Realtime Interface Co-Processor: Portmaster Adapter/A (1MB)	7006	1,595	MES

Description	Feature Number	Purchase Price	Initial/MES/Both
Realtime Interface Co-Processor: 8-Port RS-232 Interface Board/A	7042	\$ 627	MES
Realtime Interface Co-Processor: 8-Port RS-422 Interface Board/A	7044	673	MES
Realtime Interface Co-Processor: 6-Port V.35 Interface Board/A	7046	1,227	MES
Realtime Interface Co-Processor: 6-Port X.21 Interface Board/A	7048	1,000	MES
Realtime Interface Co-Processor: 6-Port V.35 Cable	7106	848	MES
Realtime Interface Co-Processor: V.35 Network Cable	7107	150	MES
Realtime Interface Co-Processor: 8-port EIA-232/422 Cable	7108	375	MES
Realtime Interface Co-Processor: 6-Port X.21 Cable	7110	700	MES
Realtime Interface Co-Processor: X.21 Network Cable	7111	125	MES
128-Port Asynchronous Controller	8128	1,295	MES
Remote Asynchronous Node 16-Port EIA-232 (U.S.)	8130	1,495	MES
128-Port Asynchronous Controller Cable, 4.5 m	8131	60	MES
128-Port Asynchronous Controller Cable, 23 cm (9 in)	8132	40	MES
RJ-45 to DB-25 Converter Cable	8133	120	MES
64-Port to 128-Port Pin-Out Converter	8135	45	MES
Rack Mountable Remote Asynchronous Node 16-Port EIA-232	8136	1,995	MES
Enhanced Asynchronous Node 16-Port EIA-232	8137	1,595	MES
Enhanced Asynchronous Node 16-Port EIA-422	8138	1,795	MES

The following previously announced features are available on the specified models.

Description	Feature Number	Purchase Price	Initial/MES/Both
Non-Locking Switch	1101	\$ 0	MES
Ultimedia Video I/O Adapter	2404	1,995	MES
Ultimedia Video Compression/ Decompression Card	2405	1,500	MES
Enhanced SCSI-2 Differential Fast/Wide Adapter/A	2412	1,370	MES
IBM SCSI-2 Fast/Wide Adapter/A	2415	1,070	MES
IBM SCSI-2 Differential Fast/Wide Adapter/A	2416	1,370	MES
SCSI-2 Differential Y-Cable	2422	224	MES
SCSI-2 Differential System to System Cable	2423	108	MES
0.6M 16-bit SCSI-2 System to System Cable	2424	108	MES
2.5M 16-bit SCSI-2 System to System Cable	2425	130	MES
16-bit Y-Cable For IBM SCSI-2 Differential Fast/Wide Adapter/A	2426	445	MES

Description	Feature Number	Purchase Price	Initial/MES/Both
8-bit Y-Cable for IBM SCSI-2 Differential Fast/Wide Adapter/A	2427	\$ 425	MES
16-bit IBM SCSI-2 Fast/Wide Adapter/A to Dual Ported Device Cable	2435	150	MES
16-bit IBM SCSI-2 Differential Fast/Wide Adapter/A to Dual Ported Device Cable	2436	150	MES
8-bit IBM SCSI-2 Fast/Wide Adapter/A to Dual Ported Device Cable	2437	125	MES
8-bit IBM SCSI-2 Differential Fast/Wide Adapter/A to Dual Ported Device Cable	2438	125	MES
8-bit IBM SCSI-2 Fast/Wide Adapter/A to Single-Ported Device Cable	2439	145	MES
POWER GXT150M Graphics Adapter	2650	1,895	MES
4-Port Multiprotocol Communications Controller	2700	2,600	MES
Multiprotocol Attachment Cable —V.35	2702	117	MES
Multiprotocol Attachment Cable —X.21	2704	117	MES
4-Port Multiprotocol Interface Cable	2705	500	MES
Multiprotocol Modem Attachment Cable —EIA-232/V.24	2706	93	MES
FDDI-Fiber Dual-Ring Upgrade	2723	1,995	MES
FDDI-Fiber Single-Ring Adapter	2724	3,995	MES
S/390 ESCON Channel Emulator	2754	10,000	MES
Block Multiplexer Channel Adapter	2755	4,400	MES
ESCON Control Unit Adapter	2756	10,000	MES
Block Multiplexer Channel Adapter Cable	2757	700	MES
Block Multiplexer Channel Cable Assembly	2758	900	MES
System/370 Channel Emulator/A	2759	3,500	MES
Graphics Input Device Adapter	2810	416	MES
Graphics Input Device Cable	2811	67	MES
IBM 7250 Attachment Adapter	2820	1,695	MES
SCSI Controller Cable	2832	315	MES
SCSI High-Performance External I/O Controller	2835	1,245	MES
SCSI-2 Controller Cable	2836	195	MES
Asynchronous Terminal/Printer Cable EIA-232	2934	45	MES
Asynchronous Cable EIA-232/V.24	2936	73	MES
Printer/Terminal Interposer —EIA-232	2937	29	MES
X.25 Interface Co-Processor/2 Adapter	2960	1,570	MES
IBM Auto Token-Ring LANstreamer 32 MC Adapter	2972	850	MES
X.25 Attachment Cable X.21 — 6-Meter (20 Ft.)	2976	150	MES
X.25 Attachment Cable V.24 — 6-Meter (20 Ft.)	2977	150	MES
X.25 Attachment Cable V.35 — 6-Meter (20 Ft.)	2978	239	MES
Ethernet High-Performance LAN Adapter	2980	722	MES
TURBOWAYS 155 ATM Adapter	2989	2,695	MES
Ethernet/FDX 10 Mbps TP/AUI MC Adapter	2992	595	MES
Ethernet 10 Mbps BNC MC Adapter	2993	595	MES
9.1GB SCSI-2 F/W Disk Drive	3010	3,750	MES
PC Parallel Printer Cable	3100	48	MES
SCSI Device to Device Cable	3130	78	MES

Description	Feature Number	Purchase Price	Initial/MES/Both
P70 Color Monitor	3613	\$1,485	MES
P200 Color Monitor	3614	2,660	MES
P201 Color Monitor	3615	3,660	MES
Service Publications and Wrap Plugs Kit	3750	57	MES
13W3 to 15-Pin D-Shell Converter Cable	4213	100	MES
13W3 to 60/77Hz Display Cable	4214	105	MES
Ethernet AUI/Thin Riser	4221	325	MES
Ethernet Twisted Pair Riser	4222	325	MES
Ethernet 10BaseT Transceiver	4224	195	MES
Sun Compatible Display Converter Cable	4227	100	MES
13W3 to PowerDisplay 16S Display Cable	4229	165	MES
13W3 to 13W3 Display Cable	4234	100	MES
13W3 to 3W3 Display Cable	4236	100	MES
4GB/8GB 4MM Internal Tape Drive	6142	2,695	MES
5GB/10GB 8MM Internal Tape Drive	6147	5,395	MES
Ultimedia Audio Adapter	6302	295	MES
Digital Trunk Dual Adapter	6305	2,400	MES
Media Bay Disk Drive Mounting Kit	6509	20	MES
Southern Hemisphere Designator for Monitors	9004	NC	MES
Language Group Specify — U.S. English	9300	NC	MES
Language Group Specify — Canadian French	9712	NC	MES

The following features are supported, but are not orderable on the indicated MT-Models.

Description	Feature Number	Purchase Price
Non-Locking Switch CCS Customer Service Specify (U.S.)	0986	NC
Keyboard — U.S. English Soft Touch Select (U.S./Canada Only)	1010	\$ 20
Keyboard — U.S. English Soft Touch (U.S./Canada Only)	1110	215
SCSI-2 High-Performance External I/O Controller	2410	1,195
SCSI-2 Differential High-Performance External I/O Controller	2420	1,495
1GB SCSI-2 Disk Drive	2555	1,800
400MB to 1GB SCSI-2 Disk Drive Select	2556	300
2GB SCSI-2 Disk Drive	2580	3,100
400MB to 2GB SCSI-2 Disk Drive Select	2582	1,600
1GB to 2GB SCSI-2 Disk Drive Select	2583	1,000
2GB SCSI-2 Fast/Wide Disk Drive	2586	3,100
1GB to 2GB SCSI-2 Fast/Wide Disk Drive Select	2588	1,300
Internal CD-ROM-2	2603	695
600MB SCSI-2 Double Speed Tray-loading CD-ROM	2604	695
Quad Speed Tray Loading CD-ROM	2616	695
8X Speed Tray Loading CD-ROM	2618	550
Internal 1.2GB ¼-Inch Cartridge Tape Drive	2630	1,995
Gt4e to 7250 Attachment Adapter Select	2641	NC
Gt3i to 7250 Attachment Adapter Select	2642	NC
POWER GXT150M to POWER Gt4e 24-bit Graphics Adapter Select	2652	1,700

Description	Feature Number	Purchase Price
POWER GXT150M to POWER Gt4xi 24-bit Graphics Adapter Select	2654	\$6,800
POWER GXT150M to IBM 7250 Attachment Adapter Select	2655	0
POWER GXT150M to POWER Gt3i Select	2656	0
POWER Gt4xi 24-bit Graphics Adapter	2712	8,995
POWER Gt4e to POWER Gt4xi 24-bit Select	2715	6,100
POWER Gt3i to POWER Gt4xi 24-bit Select	2719	7,100
FDDI-STP Single-Ring Adapter	2725	3,495
FDDI-STP Dual-Ring Upgrade	2726	1,495
POWER Gt3i to POWER GXT150M Graphics Adapter Select	2762	0
POWER Gt3i	2768	1,895
POWER Gt4e	2776	2,895
POWER Gt3i to POWER Gt4e Graphics Adapter Select	2805	1,000
Integrated SCSI Controller Cable	2833	195
SCSI-2 Passthrough Terminator Cable (50-Pin)	2914	412
SCSI Controller Passthrough Terminator Cable (60-Pin)	2915	515
1-Port Multiprotocol Communications Adapter	2959	450
IBM 10/100 Mbps Ethernet MC Adapter/UNI	2964	795
X.25 Attachment Cable X.21 — 3 m (10 ft.)	2965	104
X.25 Attachment Cable V.24 — 3 m (10 ft.)	2966	104
X.25 Attachment Cable V.35 — 3 m (10 ft.)	2967	192
Token-Ring High-Performance Network Adapter	2970	1,030
3270 Connection Adapter — U.S.	2990	618
3270 Connection Adapter — EMEA	2991	595
9.1GB SCSI-2 F/W Disk Drive Select	3015	1,980
1.1GB SCSI-2 F/W Disk Drive	3032	1,200
2.2GB SCSI-2 F/W Disk Drive	3033	1,770
4.5GB SCSI-2 F/W Disk Drive	3034	1,950
1.1GB SCSI-2 Fast/Wide Disk Drive Select	3040	0
2.2GB SCSI-2 Fast/Wide Disk Drive Select	3043	0
4.5GB SCSI-2 Fast/Wide Disk Drive Select	3047	180
POWERdisplay 16	3600	2,675
POWERdisplay 19	3601	3,950
POWERdisplay 16 to POWERdisplay 19 Select	3602	1,275
POWERdisplay 17 to POWERdisplay 19 Select	3606	1,275
POWERdisplay 17	3607	1,795
POWERdisplay 20	3608	2,995
POWERdisplay 17 to POWERdisplay 20 Select	3609	1,200
P200 Color Monitor Select	3610	1,175
P70 Color Monitor to P201 Color Monitor Select	3611	2,175
P50 Color Monitor	3612	800
Keyboard:		
101 Keys (U.S.)	6010	195
102 Keys (Belgian-Dutch/French)	6011	360
102 Keys (Canadian French)	6012	280
102 Keys (Danish)	6013	360
102 Keys (Finnish)	6014	360
102 Keys (French)	6015	360
102 Keys (German)	6016	360
102 Keys (Italian)	6017	360
102 Keys (Brazilian)	6018	360
102 Keys (Norwegian)	6019	360
102 Keys (Portuguese)	6020	360

Description	Feature Number	Purchase Price
102 Keys (Spanish)	6021	\$ 360
102 Keys (Swiss)	6022	360
102 Keys (United Kingdom — English)	6023	360
102 Keys (Icelandic)	6024	360
102 Keys (Turkish)	6025	360
102 Keys (Greek)	6026	360
102 Keys (Hebrew)	6027	360
102 Keys (Arabic)	6028	360
106 Keys (Japanese — Kanji)	6030	325
106 Keys (Korean)	6031	325
106 Keys (Chinese Traditional — Taiwan)	6033	325
Dutch #143 (Netherlands)	6034	360
Turkish #440	6035	360
Digital Trunk Adapter	6300	1,200
Ultimedia Audio Adapter Select	6304	0
Ethernet AUI/Thin Riser Specify	9000	NC
Ethernet Twisted Pair Riser Specify	9001	NC
Keyboard Specify:		
U.S. 101 Keys	9010	NC
102 Keys (Belgian-Dutch/French)	9011	NC
102 Keys (Canadian French)	9012	NC
102 Keys (Danish)	9013	NC
102 Keys (Finnish)	9014	NC
102 Keys (French)	9015	NC
102 Keys (German)	9016	NC
102 Keys (Italian)	9017	NC
104 Keys (Brazilian)	9018	NC
102 Keys (Norwegian)	9019	NC
102 Keys (Portuguese)	9020	NC
102 Keys (Spanish)	9021	NC
102 Keys (Swiss)	9022	NC
102 Keys (United Kingdom — English)	9023	NC
102 Keys (Icelandic)	9024	NC
102 Keys (Turkish)	9025	NC
102 Keys (Greek)	9026	NC
102 Keys (Hebrew)	9027	NC
102 Keys (Arabic)	9028	NC
106 Keys (Japanese — Kanji)	9030	NC
106 Keys (Korean)	9031	NC
106 Keys (Chinese Traditional — Taiwan)	9033	NC
Dutch #143 (Netherlands)	9034	NC
Turkish #440	9035	NC
3-Button Mouse Specify	9041	NC
3-½-Inch 1.44MB Diskette Drive Specify	9221	NC
1GB SCSI-2 Disk Drive Specify	9249	NC
POWERdisplay 16 Specify	9610	NC
POWERdisplay 17 Specify	9612	NC
Base P70 Color Monitor	9617	NC
POWER GXT150M Specify	9650	NC
POWER Gt3i Specify	9988	NC
POWER Gt4e Specify	9990	NC

Model From	Model To	Model Conversion Purchase Price
3AT	397	\$17,500 *
3BT	397	17,500 *
3CT	397	17,000 *

* Parts removed or replaced become the property of IBM and must be returned.

Call Now to Order

To order, contact the IBM North America Sales Centers, your local IBM representative, or your IBM Business Partner™.

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Fax: 800-2IBM-FAX
Internet: ibm_direct@vnet.ibm.com
Mail: IBM North America Sales Centers
Dept. RE010
P.O. Box 16848
Atlanta, GA 30321-0848
Reference: RE010

To identify your local IBM Business Partner or IBM representative, call 800-IBM-4YOU.

Note: Shipments will begin after the planned availability date.

Trademarks

GXT150M, POWER GTO, POWER Gt4e, POWER Gt4xi, POWER Gt3i, POWER Gt4i, System/370, POWER Gt4x, POWER Gt4, TURBOWAYS, RS/6000, and Business Partner are trademarks of International Business Machines Corporation in the United States or other countries or both.

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