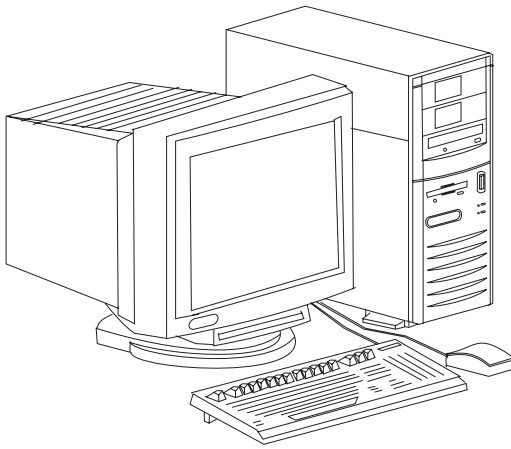


Compaq Prolinea MT Family



Compaq Prolinea MT

Specifications

Processor

- Intel 486SX/33, 486DX2/50, 486DX2/66MHz.

Memory

- 4MB standard, expands to 64MB.

I/O Expansion Slots

- Five 16 bit ISA expansion slots.

Diskette Drive

- One 3.5" 1.44MB diskette drive.

Integrated Features

- ECP parallel, Serial
- Keyboard
- Mouse
- 1024X768 graphics

Internal Expansion Bays

- Three user accessible bays, one internal drive bay.

I/O Architecture (Bus's supported)

- 16-bit ISA.

Power Supply

- 200 Watt.

Diagnostics

- Normal Post Diags performed on Power UP of system.
- For Advanced Diags use QAPlus/FE.
- Troubleshoot according to errors found during test.

CMOS Access

- QAPlus/FE.

Tools and Software Requirements

- Flat bladed and Torx screwdriver.
- Needle nose pliers.
- 25 pin and 9 pin loopback plugs.
- Modem termination plug.
- ROM/Coprocessor removal tool.
- Diagnostics and formatted blank diskettes.
- Anti-static wrist strap.

Configuration Jumper Settings

Processor Jumper Settings

System Boards: (003421, 003422, 003516, 004107)

Processor	P2	P3	P4	P6	P7
486SX/25	1-2	1-2	3-4	1-2	1-2
486SX/33	1-2	1-2	3-4	1-2	2-3
487SX/25	1-2	1-2	3-4	1-2	1-2
486DX/25	2-3	2-3	1-2	1-2	1-2
486DX/33	2-3	2-3	1-2	1-2	2-3
486DX2/50	2-3	2-3	1-2	1-2	1-2
486DX2/66	2-3	2-3	1-2	1-2	2-3
ODP	2-3	2-3	2-3	1-2	*
ODPR	2-3	2-3	1-2	1-2	*
Pentium ODP	2-3	2-3	2-3	2-3	*

* Setting depends on processor running at 25 or 33MHz.

System Board Jumper Settings

Assemblies: (003421, 003422, 003516, 004107)

Jumper	Pins	Description
P7	1-2	25/50MHz
P7	2-3	33/66MHz
P1	1-2	Pentium ODP write through
P1	2-3 *	Pentium ODP write back
P5	2-3 *	Turns on video
P5	1-2	Turns off video
P8	1-2 *	Printer interrupt IRQ7
P8	2-3	Printer interrupt IRQ5
P9	no jumper	Clear CMOS, remove f/ 10 secs.
J17	jumper	Replacement battery

* Default

Removal Procedures

Before beginning removal complete the following steps.

1. Turn off the computer and any peripheral devices.
2. Disconnect AC power cord from the outlet and system.
3. Disconnect all peripheral devices from the computer.

System Cover

1. Remove the six side panel thumbscrews from the back of the computer.
2. Grasp the handle on each side panel and pull back slightly.
3. Lift the panel off of the computer.

Warning: Screws used in the Prolinea are not interchangeable, using an incorrect screw can damage the unit

Field Replaceable Units

Memory

Description	Assembly	OEM Part	IBM Part
1MB mem. mod.	118666-004	141752-001	22H0688
2MB mem. mod.	118667-004	141753-001	20H8474
4MB mem. mod.	137854-002 118665-004	141754-001	20H6294
8MB mem. mod.	137853-002 129041-002	141755-001	90G7098
16MB mem. mod.	142850-001	149947-001	90G7101
32MB mem. mod.	139973-002	149948-001	20H8476
128KB cache bd.	003454-001	197050-001	20H8461
128KB cache bd.	003670-001	197005-001	37H7027

Controller Boards

Description	Assembly	OEM Part	IBM Part
6260 SCSI-2	00400	146993-001	90G6453
QVision 1024/l	002948	148866-001	20H8089
QVision 1280/l	002951	139182-001	20H8090
ENET 16TP	003086	147220-001	20H8457
Token Ring	160782-001	142836-001	20H8133
Ser/Parl	000990	106886-001	93F7110
SCSI ISA plug/play	184750-001	184751-001	70H7827

Modems

Description	Assembly	OEM Part	IBM Part
Int. 24/96 baud		197458-001	20H8475
Int. 14.4 Mdm.	176813-001	176821-001	48H7279
Speedpaq 144/l	003002	147453-001	55H1777
Fax/modem bd.		141607-002	20H8460

Internal Hard Drive

Size	Type	OEM Part	IBM Part
200MB	51	160702-001	20H8464
270MB	65	197441-001	20H8468
340MB	63	171923-001	20H8636
420MB	65	172139-001	48H7253
525MB	42	197014-001	20H8470
550MB SCSI	N/A	142038-001	90G6449
1.05GB SCSI	N/A	192799-001	61H9728
340MB fixed disk		199966-001	20H8469

System Boards

Description	Assembly	OEM Part	IBM Part
System Board *	003422 003516 003421	197023-001	20H8459
* Kit does not contain processor chip, it must be transferred from existing system.			

Tape Drives

Description	OEM Part	IBM Part
120/250MB 1/2ht w/ cmprssn.	197490-001	20H8465
250/500MB	197022-001	20H8467

Diskette Drives

Description	OEM Part	IBM Part
1.2MB	141367-001	20H8462
1.44MB (3 mode)	160788-201	22H5116
1.44MB	197006-001	20H8466

CD-ROM Drives

Description	OEM Part	IBM Part
Tray load internal	142223-001	20H8472
External CD-ROM	199430-001	20H8471

Miscellaneous

Description	OEM Part	IBM Part
Pwr supply 200W	197416-001	20H8477
Clock battery	160274-001	20H8456
CD ROM rails	197841-001	66H7818
Sound board	197493-001	20H8458
Keyboard	160648-101	20H8473
Power supply	172819-001	52H8781

Cables

Description	OEM Part	IBM Part
HD signal	197834-001	48H7504
Diskette signal	197833-001	55H1057
LED cable w/ holder	197832-001	66H7816
CD ROM data cable	197842-001	66H7819
CD ROM audio cable	199493-001	66H7835

Microprocessors

Description	Assembly	OEM Part	IBM Part
486DX2/50	133801-010	197421-001	68H0228
486DX2/66	133801-011	197422-001	87H2325

System ROM

ROM Info.	# on ROM	OEM Part	IBM Part
Sys. Rev. 050294	197096-004	181044-001	48H7343