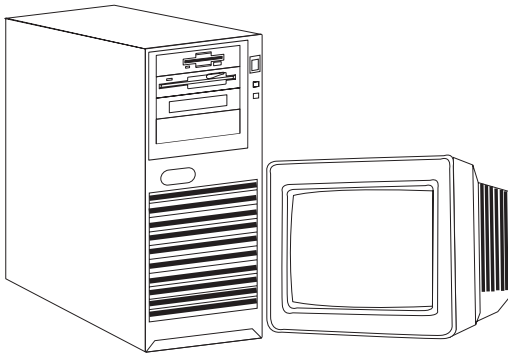


Compaq Prolinea 5120/5133 Desktops



Compaq Prolinea 5120/5133 Desktops

Specifications

Processor

- Intel Pentium 100,120,133,150,166 MHz

Memory

- 8/16MB standard, expands to 192MB

I/O Expansion Slots

- 2-PCI/ISA shared slots, 2-ISA slots, 1-Cpq opt. slot

Diskette Drive

- 1-3.5" 1.44MB diskette drive

Integrated Features

- ECP parallel, serial, keyboard, mouse, PCI local bus video, enhanced IDE

Internal Expansion Bays

- 3-user accessible bays, 1-internal drive bay

I/O Architecture (Bus's supported)

- PCI/ISA

Power Supply

- 145 watt power supply

Diagnostics

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

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

Switch Settings Prolinea 5120

Configuration Jumpers, 586 Based System Boards

Without Integrated Graphics (003816, 003819)

Jumper	Setting	Description
E5	1-2	Internal on-board battery
	2-3	External battery
E6	1-2	Password turned on
	2-3	Password turned off

Switch Settings Prolinea 5120

SW1, Speed Settings, 586 Based System Boards

Without Integrated Graphics (003816, 003819)

CPU Type	SW1/SW2	Description
586/75MHz	ON/OFF	50MHz external, 75MHz internal
586/90MHz	OFF/OFF	60MHz external, 90MHz internal
586/100MHz	ON/ON	50MHz external, 100MHz internal
586/120 MHz	OFF/ON	60MHz external, 120MHz internal

Prolinea 5120

Config. Code	Assembly	OEM Part	IBM Part
HTA3 ¹	003816-101	172019-001	55H1792
HSF1 ²	003816-101	172019-001	55H1792
HSF2 ²	003816-101	172019-001	55H1792
HSF3 ²	003816-101	172019-001	55H1792
HSF4 ²	003819-101	172024-001	68H0008
HSF5 ²	003816-101	172019-001	55H1792
HSF6 ²	003816-101	172019-001	55H1792
HSF7 ²	004940-101	173243-001	86H5054
HNN2 ³	004940-101	173244-001	86H5055

¹ 3X3 form factor, ² 4x4 form factor, ³ 5x5 form factor

Switch Settings, Prolinea 5133

Configuration Jumpers, 586 Based System Boards

Without Integrated Graphics (004939, 004940)

Jumper	Setting	Description
E5	1-2	Internal on-board battery
	2-3	External battery
E6	1-2	Password turned on
	2-3	Password turned off

Prolinea 5133

Config. Code	Assembly	OEM Part	IBM Part
HSU4 ¹	004939-101	173239-001	86H5053
HSU5 ¹	004940-101	173243-001	86H5054
HSU6 ¹	004940-101	173243-001	86H5054
HSK3 ²	004939-101	173240-001	77H1614
HSK4 ²	004940-101	173244-001	86H5055
HSK5 ²	004940-101	173244-001	86H5055

¹ 4X4 form factor, ² 5X5 form factor

Microprocessors	OEM Part	IBM Part
P54C120 ¹	213125-001	52H8733
P54C133 ²	173115-001	70H9977

¹ Prolinea 5120, ² Prolinea 5133

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

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

1. Remove the two torx screws connecting the cover to the rear bezel
2. Lift the rear of the cover and pull it from the system unit

Field Replaceable Units

Memory	Assembly	OEM Part	IBM Part
4MB, 70ns	172707-002	172718-001	37H0846
8MB, 70ns	172707-003	172719-001	37H0847
16MB, 70ns	172707-004	172938-001	37H0848
32MB, 70ns	172707-005	172939-001	37H0849
1MB VRAM*	003971-001	172467-001	37H0859
2MB VRAM ¹	004539-001	137895-001	37H0858
1MB Vid DRAM ²	004120-001	171044-001	22H5134

* QVision 1280P+, ¹ For 5120 only, ² For 5133 only

Controller	Assembly	OEM Part	IBM Part
IDE controller	002172-001	171745-001	22H5138
6260 SCSI-2 cntrlr	004004-001	133880-001	90G6452
ENET ISA cntrlr	003086-001	147220-001	20H8457
PCI graphics bd.	004111-001	137897-001	37H0860
SCSI ISA	184750-001	184751-001	70H7827
Millennium Grph	005409-001	223337-001	74H1992

Internal Hard Drive

Size	Type	OEM Part	IBM Part
420MB, IDE ¹	54	172780-001	37H0837
535MB SCSI	N/A	148286-001	22H2481
540MB IDE, DFP*	N/A	188666-001	37H0838
630MB	65	173114-001	70H9978
720MB IDE	65	172842-001	37H0839
1GB DFP	N/A	172947-001	
1.05GB SCSI	N/A	192799-001	61H9728
1.08GB	65	172941-007	37H0840
2.1GB fast SCSI-2	N/A	142272-001	20H8577

*DFP means Drive Fault Protection, ¹ For 5120 only

System Bds	Assembly	OEM Part	IBM Part
PCI no processor ¹	003816-101	172019-001	55H1792
	003819-101		
PCI no processor ²	004939-101	173239-001*	86H5053
		173240-001**	74H1614
PCI no processor ²	004940-101	173243-001*	86H5054
		173244-001**	86H5055

¹ For 5120 only, ² For 5133 only, * 4x4, ** 5x5

Tape Drives	OEM Part	IBM Part
340/680MB w/compression	187658-001	37H0844
525MB ACA	142073-201	90G6447
5.0GB DAT	142074-201	20H8559

Diskette Drives	OEM Part	IBM Part
1.44MB	160788-201	22H5116

CD-ROM	OEM Part	IBM Part
Internal quad, IDE ¹	172717-001	37H0842

¹ For 5120 only

Miscellaneous	Assembly	OEM Part	IBM Part
Backplane (3x3) ¹	003733-001	172622-001	52H5023
Backplane (4x4) ^{1,2}	003730-001	172623-001	52H4877
Backplane (5x5) ²	003736-001	172624-001	37H0879
Spkr no bracket ^{1,2}		141336-001	48H6622
Speedpaq 144i ¹	003002-001	147453-001	55H1777
P Sply 145W (3x3) ^{1,2}		214969-001	62H1378
P Sply 185W (5x5) ²		172838-001	55H1767
Clock battery ^{1,2}		173236-001	70H7826

¹ 5120, ² 5133

Cables	OEM Part	IBM Part
CD ROM/HD (5x5) ²	172481-001	70H8376
Diskette Drive Cable (4x4)	172797-001	52H7540
2-Device SCSI, 3-Connector	146997-001	66H7246
LED Assembly (4x4)	172531-001	70H9973
LED Assembly (5x5) ²	172530-001	70H9974
AUI to BNC ENET Transceiver	192768-001	70H9975

² For 5133 only

System ROM	OEM Part	IBM Part
ROMPaq	148218-001	53H1484