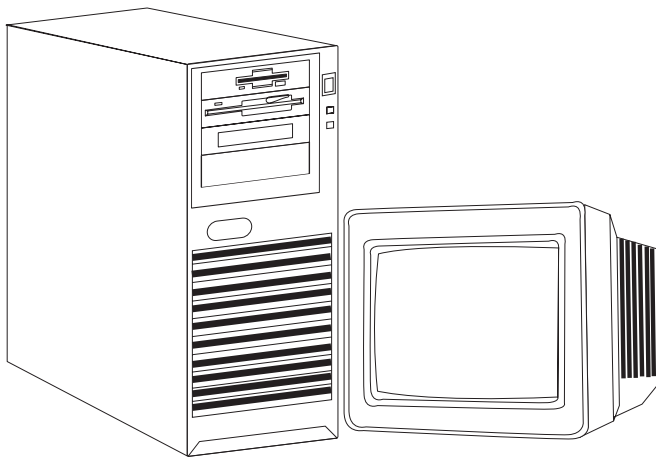


# Compaq Prolinea 575



Compaq Prolinea 575

## Specifications

### Processor

- Intel Pentium 75MHz

### Memory

- 8/16MB standard, expands to 208MB

### I/O Expansion Slots

- 3-16 bit ISA expansion slots

### Diskette Drive

- 1-3.5" 1.44MB diskette drive

### Integrated Features

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

### Internal Expansion Bays

- 3- users accessible bays, 2-internal bays

### I/O Architecture (Bus's supported)

- 16-bit ISA

### Power Supply

- 145 watt

### 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

## Jumper Settings

### Config Jumpers, 586 Boards w/ Integrated Graphics Assembly 003816

Jumper	Settings	Description
E5	1-2	Internal battery
	2-3	External battery
E6	1-2	Turns on password
	2-3	Turns off password

### Config Jumpers, 586 Boards w/o Integrated Graphics Assembly 003819

Jumper	Settings	Description
E5	1-2	Internal battery
	2-3	External battery
E6	1-2	Turns on password
	2-3	Turns off password

## Switch Settings

### SW1 Speed Settings

#### 586 Boards with Integrated Graphics (003816)

SW	Position	Function
S1/S2	ON/OFF	586/75MHz, 50MHz ext, 75MHz int.
S1/S2	OFF/OFF	586/90MHz, 60MHz ext, 90MHz int.
S1/S2	ON/ON	586/100MHz, 50MHz ext, 100MHz int.

### SW1 Speed Settings

#### 586 Boards without Integrated Graphics (003819)

SW	Position	Function
S1/S2	ON/OFF	586/75MHz, 50MHz ext, 75MHz int.
S1/S2	OFF/OFF	586/90MHz, 60MHz ext, 90MHz int.
S1/S2	ON/ON	586/100MHz, 50MHz ext, 100MHz int.

Config. Code	Assembly	OEM Part	IBM Part
HMZ1 <sup>1</sup>	003816-002	172019-001	55H1792
HMZ2 <sup>1</sup>	003816-002	172019-001	55H1792
HMZ3 <sup>1</sup>	003816-002	172019-001	55H1792
HMZ4 <sup>1</sup>	003816-002	172019-001	55H1792
HMZ5 <sup>1</sup>	003816-002	172019-001	55H1792
HMZ6 <sup>1</sup>	003816-002	172019-001	55H1792
HMZ7 <sup>1</sup>	003816-002	172019-001	55H1792
HNA1 <sup>2</sup>	003816-002	172019-001	55H1792
HNA2 <sup>2</sup>	003816-002	172019-001	55H1792
HNA3 <sup>2</sup>	003816-002	172019-001	55H1792
HNA4 <sup>2</sup>	003819-002	172024-001	68H0008
HNA5 <sup>2</sup>	003816-002	172019-001	55H1792
HNA6 <sup>2</sup>	003816-002	172019-001	55H1792
HNA7 <sup>2</sup>	003816-002	172019-001	55H1792
HNB1 <sup>3</sup>	003816-002	172614-001	62H1592
HNB2 <sup>3</sup>	003816-002	172614-001	62H1592
HNB3 <sup>3</sup>	003816-002	172614-001	62H1592
HNB4 <sup>3</sup>	003819-002	172616-001	68H0012
HNB5 <sup>3</sup>	003816-002	172614-001	62H1592
HNB6 <sup>2</sup>	003816-002	172614-001	62H1592
HTN2 <sup>2</sup>	003816-002	172019-001	55H1792
HTN3 <sup>2</sup>	003816-002	172019-001	55H1792
HTN4 <sup>2</sup>	003819-002	172024-001	68H0008
HTQ2 <sup>3</sup>	003816-002	172614-001	62H1592
HTQ3 <sup>3</sup>	003816-002	172614-001	62H1592
HTQ4 <sup>3</sup>	003819-002	172616-001	68H0012

<sup>1</sup> 3X3 form factor, <sup>2</sup> 4x4 form factor, <sup>3</sup> 5x5 form factor

Microprocessors	OEM Part	IBM Part
P54C75	172671-001	37H0855

CD-ROM	OEM Part	IBM Part
Int., Quad speed, IDE, 4x4, 5x5	172717-001	37H0842

## 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 DRAM <sup>1</sup>	004120-001	171044-001	22H5134
1MB VRAM <sup>2</sup>	003971-001	172467-001	37H0859

<sup>1</sup> Video memory for Cirrus Logic GD5434, <sup>2</sup> QVision 1280P+

Controller	Assembly	OEM Part	IBM Part
IDE controller	002172-001	171745-001	22H5138
6260 SCSI-2	004004-001	133880-001	90G6452
ENET ISA w/ brk	003086-001	147220-001	20H8457
SCSI ISA	184750-001	184751-001	70H7827

## Internal Hard Drive

Size	Type	OEM Part	IBM Part
270MB, IDE, 3x3	65/66	172778-001	37H0836
420MB, IDE	65	172780-001	37H0837
535MB SCSI	N/A	148286-001	22H2481
540MB, IDE	N/A	188666-001	37H0838
720MB, IDE 4x4, 5x5	N/A	172842-001	37H0839
1GB SCSI	N/A	172941-001	37H0840
1.05GB SCSI	N/A	192799-001	61H9728
2.1GB fast SCSI	N/A	142272-001	20H8577

System Bds	OEM Part	IBM Part
Sys. board, no prcssr <sup>1,2</sup>	172019-001	55H1792
Sys. board, no prcssr <sup>3</sup>	172614-001	62H1592
Sys. Bd., PCI, no prcssr <sup>2</sup>	172024-001	68H0008
Sys. Bd., PCI, no prcssr <sup>3</sup>	172616-001	68H0012

System boards ship without memory.

Memory must be removed from old board and it must be installed in pairs.

<sup>1</sup>3x3 form factor, <sup>2</sup> 4x4 form factor, <sup>3</sup> 5x5 form factor

Tape Drives	OEM Part	IBM Part
340/680MB w/ compression	187658-001	37H0844
525MB ACA	142073-201	61H8921
5.0GB DAT	142074-201	61H8922

Diskette Drives (Models)	OEM Part	IBM Part
1.44MB, 3-mode	160788-201	22H5116

Miscellaneous	Assembly	OEM Part	IBM Part
Backplane (3x3)	003730-001	172622-001	52H5203
Backplane (4x4)	003733-001	172623-001	52H4877
Backplane (5x5)	003736-001	172624-001	37H0879
Spkr no bracket <sup>1</sup>	141045-001	141336-001	48H6622
Spkr w/ bracket <sup>2</sup>	141045-001	172831-001	61H9727
WSS Crd (4x4, 5x5)	004198-001	172078-001	37H0862
Speedpaq 144/l	003002-001	147453-001	55H1777
Pwr S 145w (3x3, 4x4)		172765-001	55H1831
Pwr S 185w (5x5)		172838-001	55H1767
Pwr S 185w, PFC(5x5)		172839-001	74H1520
Clock battery (4.5v)		160274-001	20H8456

Cables	OEM Part	IBM Part
CD/HD Cable (5x5)	172481-001	70H8376
Diskette cable (3x3)	172477-001	52H8741
Diskette cable (4x4)	172797-001	52H7540
2-device SCSI, 3 connector	146997-001	66H7246
LED assembly (3x3, 4x4)	172531-001	70H9972
LED assembly (5x5)	141346-001	20H6302

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