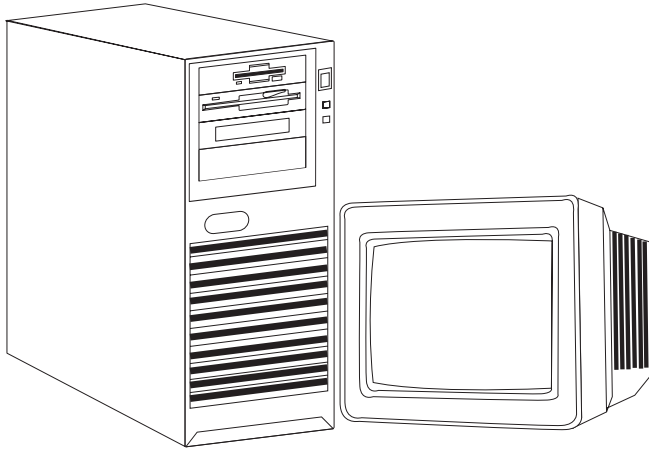


Compaq Deskpro 575/590



Compaq Deskpro 575/590

Specifications

Processor

- Intel Pentium 575: 75MHz, 590: 90MHz

Memory

- 8 MB RAM standard, expands to 192MB

I/O Expansion Slots

- 2-PCI/ISA shared slots, 2-ISA slots, 1-Compaq option slot

Diskette Drive

- 1-3.5" 1.44 MB diskette drive

Integrated Features

- Network controller, PCI integrated graphics, AUI (ENET), RJ-45, ECP Parallel, serial, keyboard, mouse and video

Internal Expansion Bays

- 3-externally accessible drive 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 Diskette v.3.0
- Troubleshoot according to errors found during test

Tools And Software Requirements

- Flat bladed and Torx T-15
- Needle nose pliers
- 25-pin printer/9-pin serial loopback plugs
- Formatted blank diskettes
- Anti-static wrist strap

Switch Settings

System Boards With Integrated Graphics

Model 575(003768,003771) Model 590(003771,003768)

Jumper	Position	Function
E5	1-2	internal battery
	2-3	external battery
E6	1-2	turns on power-on password
	2-3	turns off power-on password

System Boards Without Integrated Graphics

Model 575(003744) Model 590(003774)

Jumper	Position	Function
E5	1-2	internal battery
	2-3	external battery
E6	1-2	turns on power-on password
	2-3	turns off power-on password

System Boards With Integrated Graphics

Model 575(003768, 003771) Model 590(003768,003771)

Jumper	Position	CPU	Function
SW1/SW2	ON/OFF	586/75	50MHz extrnl, 75MHz intrnl
SW1/SW2	OFF/OFF	586/90	60MHz extrnl, 90MHz intrnl
SW1/SW2	ON/ON	586/100	50MHz extrnl, 100MHz intl

System Boards Without Integrated Graphics

Model 575(003774) Model 590(003774)

Jumper	Position	CPU	Function
SW1/SW2	ON/OFF	586/75	50MHz extrnl, 75MHz intrnl
SW1/SW2	OFF/OFF	586/90	60MHz extrnl, 90MHz intrnl
SW1/SW2	ON/ON	586/100	50MHz extrnl, 100MHz intl

575 Config	Assembly	OEM Part	IBM Part
HMW1,2,4	003768-002	172610-001	37H0867
HMW3,5	003771-002	172611-001	37H0868
HMW6,7	003768-001	172610-001	37H0867
HMW8	004912-001	214873-001	53H1629
HMX1,4,6,8	003768-002	172610-001	37H0867
HMX2	003768-001	172610-001	37H0867
HMX3	003771-001	172611-001	37H0868
HMX5	003771-002	172611-001	37H0868
HMX7	003774-002	172020-001	32H5004
HMY1,2,4,6	003768-002	172612-001	37H0875
HMY3	003771-002	172613-001	37H0876
HMY5	003774-002	172615-001	37H0877
HMY7	003768-001	172612-001	37H0875
HSY2	003768-001	172612-001	37H0875
HSY3,4	003774-001	172615-001	37H0877
HSJ2,4	003768-001	172610-001	37H0867
HSJ3	003774-001	172020-001	32H5004
HSJ5	004912-001	214873-001	53H1629

HMY & HSY prefix are a 5x5 form factor, HMW is a 3x3, HMX & HSJ are a 4x4

590 Config	Assembly	OEM Part	IBM Part
HKW1,2,4,6,8,9	003768-001	172610-001	37H0867
HKW3,5	003771-001	172611-001	37H0868
HKW7	003774-001	172020-001	32H5004
HLG1,2,4,6,7	003768-001	172612-001	37H0875
HLG3	003771-001	172613-001	37H0876
HLG5	003774-001	172615-001	37H0877
HTL2,5	003768-001	172612-001	37H0875
HTL3	003771-001	172613-001	37H0876
HTL4	003774-001	172615-001	37H0877
HSX2,3	003768-001	172610-001	37H0867
HSX4,5	003774-001	172020-001	32H5004
HSC2,4,5	003768-001	172610-001	37H0867

HLG & HTL prefix are a 5x5 form factor, HSC is a 3x3, HKW & HSX are a 4x4

Microprocessors

	OEM Part	IBM Part
P54C75 (Model 575)	172671-001	37H0855
P54C90 (Model 590)	172670-001	37H0856

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. How to remove the cover
2. Remove two screws from back of system unit
3. Unlock security lock
4. Pull the cover forward until the drive is exposed, then lift up.

Field Replaceable Units

Memory Boards/Modules (All models)

Description	Assembly	OEM Part	IBM Part
4MB SIMM, 70ns (5x5)	172707-002	172718-001	37H0846
8MB SIMM, 70ns (5x5)	172707-003	172719-001	37H0847
16MB SIMM, 70ns(5x5)	172707-004	172938-001	37H0848
32MB SIMM, 70ns(5x5)	172707-005	172939-001	37H0849
1MB VRAM*(5x5)	003971-001	172467-001	37H0859
2MB VRAM (5x5)	004539-001	137895-001	37H0858

* use with the QVision 1280P+

Controller Boards (All models)

Description	Assembly	OEM Part	IBM Part
IDE controller	002172-001	171745-001	22H5138
TR w/o bracket & cbl		172885-001	37H0861
6260 SCSI-2	004004-001	133880-001	90G6452
ENET ISA w/ slot bkt	003086-001	147220-001	20H8457
PCI graphics bd.	004111-001	137897-001	37H0860
SCSI ISA plug/play	184750-001	184751-001	70H7827

CD-ROM (All models)

Description	OEM Part	IBM Part
CD-ROM internal quad speed	172717-001	37H0842

Internal Hard Drive

Size	Type	OEM Part	IBM Part
270MB IDE,DFP* ¹	65/66	172778-001	37H0836
420MB IDE ^{1,2}	65	172780-001	37H0837
535MB SCSI ^{1,2}	N/A	148286-001	22H2481
540MB IDE DFP ^{1,2}	N/A	188666-001	37H0838
720MB IDE ^{1,2}	65	172842-001	37H0839
1.0/8GB DFP ^{1,2}	N/A	172941-001	37H0840
1.05 SCSI ^{1,2}	N/A	192799-001	61H9728
2.1GB SCSI-2 ^{1,2}	N/A	142272-001	20H8577

*DFP means Drive Fault Prediction, Model 575¹, Model 590². All drives have an interleave of 1:1

System Boards	Assembly	OEM Part	IBM Part
QVMX,AM no prc. ^{1,2}	003771-101*	172611-001	37H0868
	003771-001		
QVMX,AM,ENET	003768-101*	172610-001	37H0867
NO PROCESSOR ^{1,2}	003768-001		
System Board ¹	004912-001	214873-001	53H1629
QVMX,AM NO PRC. ^{1,2}	003771-101*	172613-001	37H0876
QVMX,AM,ENET ^{1,2}	003768-101*	172612-001	37H0875
PCI,AM,ENET,NO	003774-101*	172020-001	32H5004
PROCESSOR ^{1,2}			
PCI,AM,ENET NO	003774-101*	172615-001	37H0877
PROCESSOR ^{1,3}			

* AM=Asset management,

** Spare system boards ship without memory.

Memory must be installed in pairs.

Model 575¹, Model 590²

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

Modem (All Models)	Assembly	OEM Part	IBM Part
SpeedPaq Int.	003002-001	147453-001	22H2480

Tape Drives (All models)	OEM Part	IBM Part
340/680MB w/ cmprssn	187658-001	37H0844
525MB ACA	142073-201	61H8921
5GB DAT	142074-201	61H8922

Miscellaneous	Assembly	OEM Part	IBM Part
Backplane ^{1,2}	003736-001	172624-001	37H0879
Backplane(4x4) ^{1,2}	00376-001	172623-001	52H4877
Backplane(3x3) ¹	00376-001	172622-001	52H5023
Speaker no brckt ^{1,2}	141045-001	141336-001	48H6622
Speaker w/ brckt ^{1,2}	141045-001	172831-001	61H9727
WSS Feature Card ^{1,2}	004198-001	172078-001	37H0862
Pwr supply (145W) ^{1,2}		172765-001	55H1831
Pwr supply (185W) ^{1,2}		172838-001	55H1767
Clock battery ^{1,2}		160274-001	20H8456
Model 575 ¹ , Model 590 ²			

Cables	OEM Part	IBM Part
CD-ROM/HD Cable ^{1,2}	172481-001	70H8376
Dsktte drv cable (3x3) ¹	172477-001	52H8741
Dsktte drv cable (4x4) ^{1,2}	172797-001	52H7540
2-device SCSI 3, connector ^{1,2}	146997-001	66H7246
LED assembly (3x3,4x4) ^{1,2}	172531-001	70H9973
LED assembly ^{1,2}	141346-001	20H6302
Monitor ID cable ^{1,2}	172482-001	37H0839
Adapter AUJ to BNC ^{1,2}	192768-001	70H9975
ENET Transceiver extrnl		
Model 575 ¹ , Model 590 ²		

System ROM (All models)	OEM Part	IBM Part
System ROMPaq	148218-001	53H1484