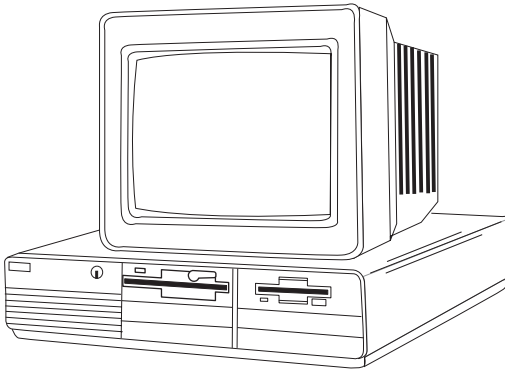


Compaq Deskpro 286



Compaq Deskpro 286

Specifications

Processor

- Intel 80286 8MHz and 12MHz

Memory

- Model 1: 256-KB RAM ; Model 2: 512-KB RAM std. expandable to 13 MB

I/O Expansion Slots

- Model 1: 3 16-bit, 2 8-bit expansion slots
- Model 2: 2 16-bit, 2 8-bit expansion slots

Diskette Drive

- 1.2MB diskette drive

Integrated Features

- Parallel printer interface, asynchronous communications interface, RGB monitor interface, Composite video interface.

Internal Expansion Bays

- 2 bays available for drives

I/O Architecture (Buses supported)

- Industry Standard Architecture ISA

Power Supply

- 140 watt, 120 volt

Diagnostics

- Normal Post Diags performed on Power UP of system.
- For Advanced Diags Diskette v. 3.0
- Troubleshoot according to errors found during test

Tools And Software Requirements

- Flat bladed screwdriver or Torx T-15
- Needle nose pliers; * Anti-static wrist strap
- 25 pin and 9 pin loopback plugs
- Diagnostics and formatted blank diskettes

Video Display Board Jumper Settings

Jumper	Function	Pin 1 to 2	Pin 2 to 3
J3	Enables/disables RGB/composite video outputs in Hi-Res Mode	Disabled RGB composite video when in high scan	Enables RGB & Composite video output
J5	Enables/disables RGB/composite video outputs in Hi-Res Mode	Disables RGB composite video when in high scan	Enables RGB & Composite video output

Diskette/Tape Controller Board Jumper Settings

Jumper	Function	Pin 1 to 2	Pin 2 to 3
J1	Diskette/tape base address option	Secondary address(370h)	Primary address (3f0h) default setting
J2	COM1/COM2 option	Serial port COM 1	Serial port COM2
J3	Printer enable	Parallel port disabled	Parallel port enabled
J4	Communications interrupt	IRQ4 default	IRQ3

Switch Settings for System ROM/Monitor Type

Switch	80x25	40x25	80x25	Monochrome
	RGB/EGA	RGB	Compaq	non-Compaq
SW6	ON	ON	OFF	OFF
SW5	ON	OFF	ON	OFF
RAM	640k	512k	256k	128k
SW4	ON	ON	OFF	OFF
SW3	ON	OFF	OFF	ON

Asynchronous Communications Jumper Settings

Jumper	Function	Pin 1 to 2	Pin 2 to 3
J702	COM1/COM2	COM2 Addr.	COM1 Addr.
J703	Interrupt Opt.	INT3	INT4
J704	Slot 8 enable	Enables 8th slot	Disables 8th slot
U13	Current/voltage operation module	Pins 5-12, 6-11, 7-10 8-9 module. RS232C Pins 1-16, 2-15, 3-14, 4-13 - 20mA current loop.	

System Memory Board Jumper Settings

Jumper Setting	E1-E2 /E5-E6	E2-E3/E5-E6	Expansion
	64K chips	256K chips	
Bank Installed	Base Memory	End Mem.	
0	128K	128K	
0-1	256K	640K	
0-2	384K	640K	512K
0-3	512K	640K	1024K
0-4	640K	640K	1536K

Fixed Disk Controller Board Switch/Jumper Settings

Jumper/Switch	Disk Drive Type	
	10 MB	30MB
E17-E18 (Factory set, cannot be changed)		
SW1	ON	ON
SW2	ON	ON
SW3	ON	OFF
SW4	ON	OFF

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. Unlock the security key lock
3. Remove three screws from back of system unit
4. Move to the front of the system
5. Pull the cover of the system unit towards you until the drive is exposed

Field Replaceable Units

Memory	Assembly	OEM Part	IBM Part
150ns DRAM (256KB)		105151-001	93F7394
150ns DRAM (64KB)		105152-001	93F7393
256KB Sys. Mem.		102710-001	93F7848
System Mem. Exp. Bd.		105033-001	93F7846

Controller	OEM Part	IBM Part
Multipurpose Cntrl Card	102705-001	93F8783
Multipurpose FDD Cntrl bd.	113446-001	93F7301
ESDI FDD Cntrl Bd (130MB 3:1)	108140-001	93F7126
ESDI FDD Cntrl Bd (130MB 1:1)	113265-001	93F7841
Async Comm. Para. Ptr. Bd.	106886-001	93F7110
Video Display Bd. Cntrl	101340-001	93F7303
Diskette/Tape Bd.	102705-001	93F8783
Fixed Disk Drive Cntrl	102778-001	93F7131
Fixed Disk Dr. Cbils Cntrl	100641-002	93F7132
Second Fixed Dr. Cbils Cntrl	100641-002	93F7132

Internal Hard Drive

Size	OEM Part	IBM Part
20 MB FDD (Half-Height)	102777-001	93F7858
30 MB FDD (Full-Height)	101664-001	93F7855
70 MB FDD (Full-Height)	102932-001	93F7859
40 MB FDD (Half-Height)	108058-001	93F8776
130 MB FDD (Full-Height)	108080-001	93F7864
20 MD FDD (Half-Height)	113016-001	93F8772

System Bds	OEM Part	IBM Part
System Board	102774-001	48H5333
System Board (256KB v.2)	106434-001	48H5459
8mHz 80287 Coprocessor	106558-001	93F7120

Tape Drives	OEM Part	IBM Part
10 MB Tape Dr w/ Rails	101438-001	93F7886
40 MB Tape Dr (Half-Height)	108081-001	93F7887

Diskette Drives	OEM Part	IBM Part
1.44 (black)	113263-001	93F7285
1.44 (gray)	113264-001	67H8429
1.2 MB (Half-Height)(black)	102775-001	93F7299
360 KB(black) (Half-Height)	102928-001	93F7286

Video Boards	OEM Part	IBM Part
Enhanced Clr Grphcs bd.	106373-001	93F7137
Enhanced Clr Grphcs bd. (v.2)	109196-001	93F7136
Video Grphcs Cntrl Bd.	109253-001	93F7302
Advanced Grphcs 1024 Bd.	114201-001	93F7103
Advanced Grphcs Mem. Bd.	114202-001	93F7102
VGA Passthrough Bd.	114241-001	93F7162

Miscellaneous	OEM Part	IBM Part
Power Supply	102927-001	93F7396
Fuse Kit	102930-001	93F7395
Speaker Assembly	100493-001	48H5160
Power Cord	101155-001	93F7296
Keyboard	102776-001	93F7139
Battery	102929-001	93F7294
System ROM Kit	105035-001	93F7845
2400 Baud Internal Modem	112693-001	93F7872