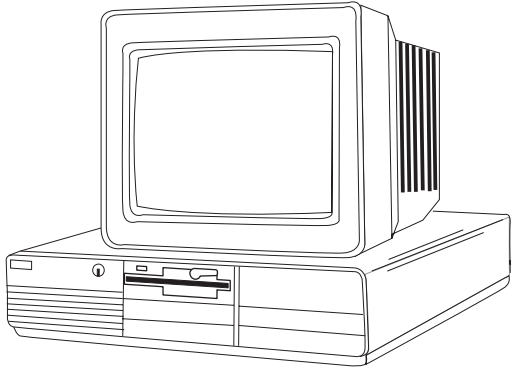


# Compaq Deskpro 386/20



Compaq Deskpro 386/20

## Specifications

### Processor

- Intel 20MHz, 80386

### Memory

- 1MB standard, expands to 16MB

### I/O Expansion Slots

- 8 - Available expansion slots (5-8/16 bit, 2-8 bit)
- 1-32 bit memory slot

### Diskette Drive

- 1-5.25" 1.2MB diskette drive

### Integrated Features

- Socket for optional coprocessor, 25-pin parallel, 9-pin serial, and keyboard interface

### Internal Expansion Bays

- 2 internal expansion bays

### I/O Architecture (Buses supported)

- Industry Standard Architecture - ISA

### Power Supply

- 192 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, Torx T-10 screwdrivers
- Needle nose pliers
- Memory chip insertion tool
- Memory chip removal tool
- 25 pin and 9 pin loopback plugs
- Universal coprocessor removal tool
- Compaq Advanced Diagnostics
- Formatted blank diskettes
- Anti-static wrist strap

## Switch Settings

System Board(Assembly 000749)

### SW1 Settings

SW1	Position	Function
SW-1	ON	Reserved
SW-2	OFF*	No 387 coprocessor installed
	ON	387 Coprocessor installed
SW-3	OFF	Reserved
SW-4	ON*	CPU boot 20MHz, 8MHz w/ dsktte
	OFF	CPU boot 20MHz (all the time)
SW-5	OFF	Reserved
SW-6	ON*	Cpq VDU,EGA,RGBI,VGC
	OFF	3rd party MDA
SW-7,8	ON* ON*	640KB base memory
	OFF OFF	256KB base memory
	OFF ON	512KB base memory

\* 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. How to remove the cover
2. Remove three screws from back of system unit
3. Pull the cover forward until the drive is exposed, then lift off.

## Field Replaceable Units

### Memory Boards

Description	Assembly	OEM Part	IBM Part
1MB	000752/001103	113224-001	93F7289
4MB	000765	113222-001	93F7292
4MB	000758/000993	113226-001	93F7290
	001166-001/002		
1MB	000762/000987	113225-001	93F7291
	001076		
	001151-001		
	001256/001259		

### Controller Boards

Description	Assembly	OEM Part	IBM Part
Tape adap.	000774	113259-001	93F7104
ESDI Ext	0001091	115839-001	93F8114
300/600			
15mhz ESDI	001283/001628	121667-001	93F8112
ESDI Dsktte	001472	115374-001	93F7164

## Video Boards

Description	Assembly	OEM Part	IBM Part
Enh. Clr. Grphs*	000471	109196-001	93F7136
Vid. Disp. -VDU	000031	101340-001	93F7303
	000160		
	000345		
	000525		
Vid Grph -VGC***	000806	109253-001	93F7302
	001241		
	109360		
Adv Grph 1024	109958	114201-001	93F7103
Adv Grph Mem	109959	114202-001	93F7102
Qvision 1024/I	002163	126655-001	93F8109

\* ECG and VGC require sys ROM E or later

\*\*\* Required for Advanced graphics color monitor VGA and hi-res.

## Internal Hard Drive

Size	Type	ROM	OEM Part	IBM Part
100MB	45	H.8	142365-001	20H8119
340mb*	28	K.2	194525-001	20H8617

\* formats to 319MB

cntrlr assembly: WD1005WAH

HD Exp. Unit (300MB)

cntrlr assembly: 001091,001283,001472,001628

System Boards	Assembly	OEM Part	IBM Part
386	000749	113223-001	93F7306

Diskette Drives	OEM Part	IBM Part
360KB	102928-001	93F7286
1.2	102775-001	93F7299
1.44MB (black)*	13263-001	93F7285
1.44MB (gray)*	13264-001	67H8429

\* Uses ROM J.4 or later with OS/2 v.1.1.

Uses MS DOS v.3.31 rev. A if used as drive B and MS DOS v.3.31 rev. B if used as drive A

Tape Drives	OEM Part	IBM Part
40MB	108081-001	93F7887
135MB	113218-001	48H9792
150/250MB	115368-001	93F8696

Miscellaneous	Assembly	OEM Part	IBM Part
Serial/Parallel Inter.	000570	106886-001	93F7110
Serial/Parallel Inter.	000990	106886-001	93F7110
9600/2400 fax mdm		197458-001	20H8475
Power Supply (110 volt)		108065-001	93F7307
Battery		160272-001	90G6893

Cables	Function	OEM Part	IBM Part
Dskt/Tape SIG	all dskttes/40MB TBU	101380-002	93F7402
Mass Sto Pwr	dskttes/TBUs/HDs	101137-001	93F7305
Tape SIG	135,150/250TBUs	113198-001	93F7283
HD SIG CBL	Single 60MB HD	108086-001	93F7300
HD SIG CBL	Dual 60MB HD	108087-001	93F7123
HD SIG CBL	130MB HD (34 pin)	100625-005	55H1063
HD SIG CBL	130MB HD (20 pin)	100625-006	93F7293
Ext. I/O	Expansion Unit	115810-001	93F7161
Telephone	modem	112666-001	20H8333
VGA Passthru	advanced grphcs	114229-001	93F7142

## Processor/Coprocessor Locations

System Board	(386-20)	(387-20)
	U52	U60

## System ROM Location

U9	Odd
U8	Even

## System ROM Revisions (108283-001 IBM P/N 93F7133)

Revision	Number on ROM(ODD/EVEN)
H.8	113269-008/113270-008
J.4	109591-001/109592-001
K.2	109591-003/109592-003
M.1	109591-004/109592-004
N.1	109591-005/109592-005