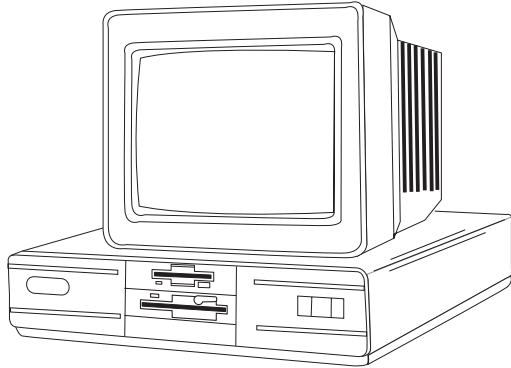


Compaq Deskpro 386s



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Specifications

Processor

- Intel 16 MHz 80386SX

Memory

- 2 MB standard, expands to 13MB

I/O Expansion Slots

- 4- industry standard expansion slots 8-/16-bit, 1 high speed memory slot

Diskette Drive

- 1-3.5" 1.44MB diskette drive

Integrated Features

- Socket F/ 16MHz Intel 387SX, Integrated video graphics system, parallel, serial, pointing device, and keyboard interfaces

Internal Expansion Bays

- 4-storage device positions

I/O Architecture (Bus's supported)

- Industry Standard Architecture - ISA

Power Supply

- 140 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 screwdrivers
- Needle nose pliers
- 25 pin and 9 pin loopback plugs
- Diagnostics and formatted blank diskettes
- Anti-static wrist strap

Switch Settings

System Board (000954,001145,001148,001157 &001644)

SW1 Settings

SW1	Position	Status	Function
SW-1	ON*	Enable	Fail-safe timer
	OFF	Disable	Fail-safe timer
SW-2	ON	Enable	Has 387SX Coprocessor
	OFF*	Disable	No 387SX Coprocessor
SW-3	OFF*		Reserved
SW-4	ON	Enable	Boot speed 16MHz, FDD 8MHz
	OFF*	Disable	Boot speed 16MHz
SW-5	OFF		Reserved
SW-6	ON*	Enable	EGA, RGBI or VGC
	OFF	Disable	MDA only

* Default

System Board(000954,001145,001148,001157, &001644)

SW2 Settings

SW2	Position	Function
SW-1	ON	Secondary dsktte/HD addr (Use 37X & 17X)
	OFF*	Primary dsktte/HD addr (Use 3FX & 1FX)
SW-2	ON	Turns off pwr-up psswr
	OFF*	Turns on pwr-up psswr
SW-3	ON	Turns off HD
	OFF*	Turns on HD
SW-4/5	OFF*	OFF* COM1, IRQ4
	ON	OFF COM2, IRQ3
	ON	ON Turns off serial interface
	OFF	ON Reserved
SW-6/7	ON*	OFF* LPT1 printer interface on(3BX)
	OFF	ON LPT2 printer interface on (37X)
	ON	ON Turns off printer interface
	OFF	OFF Reserved
SW-8	ON	Turns off integrated VGC
	OFF*	Turns on integrated VGC

* Default

System Board (000954,001145,001148,001157, &001644)

SW3 Settings

SW3	Position	Function
SW-1/2	ON*	ON* 640KB Base Mem Limit
	ON	OFF 512KB Base Mem Limit
	OFF	OFF 256KB Base Mem Limit
	OFF	ON Reserved

SW-3/4/5/6	MemExp	Mem ModA	Mem ModB	Total Mem
ON/ON/ON/ON	1MB on system board only			
ON*/ON*/ON*/OFF*	1MB			2MB
ON/ON/OFF/ON	1MB	1MB		3MB
ON/ON/OFF/OFF	1MB	1MB	1MB	4MB
OFF/ON/ON/OFF	4MB			5MB
ON/OFF/OFF/ON	1MB	4MB		6MB
ON/OFF/ON/ON	1MB	1MB	4MB	7MB
OFF/ON/OFF/ON	4MB	4MB		9MB
ON/OFF/OFF/OFF	1MB	4MB	4MB	10MB
OFF/ON/OFF/OFF	4MB	4MB	4MB	13MB

* Default

Board Jumper/Switch Settings

System Board (000954,001145)

Jumper	Position	Function
E4	2-3*	Turns on pointing device interface
	1-2	Turns on IRQ12 from bus, Turns off pointing device
E3	ON	Reserved
E2	ON	Reserved

* Default - pins closet to U64

Board Jumper/Switch Settings

System Board (001148,001157,001644)

Jumper	Position	Function
E1	ON	Reserved
E3	ON	Reserved
E4	2-3*	Turns on pointing device interface
	1-2	Turns on IRQ12 from bus, Turns off pointing device
E10	1-2*	Turns on 8-bit video BIOS
	2-3	Turns on 16-bit video BIOS

* 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	Assembly	OEM Part	IBM Part
1MB,	000966	112522-001	93F7154
16MHz mem exp*			
4MB,	000969	112521-001	93F7155
16MHz mem exp*			
1MB mem mod	000981	112519-001	93F7157
	001076-003		
	001076-		
	004/007/008		
	001151-002		
	001256-		
	003/004/007/008		
	001259-002		
4MB mem mod*	000993	112520-001	93F7156
	001166-002		

* Used w/ sys bds 000954,001145,001148,001157,001644

Controller Boards

Description	Assembly	OEM Part	IBM Part
Tape adapter	000774	113259-001	93F7104
ESDI Ext. 300/600	001091	115839-001	93F8114
15 MHz ESDI	001628	121667-001	93F8112
	001283	121667-001	93F8112
ESDI/dsktte cntrl	001472	115374-001	93F7164
Advanced ESDI	WD1009	122370-001	93F7223

Video Boards

Description	Assembly	OEM Part	IBM Part
Adv. Gph 1024	109958	114201-001	93F7103
Adv Gph Mem	109959	114202-001	93F7102
VGA Pass thru	001430	114241-001	93F7162
QVision 1024/I	002163	126655-001	93F8109

Internal Hard Drive

Size	Type	ROM	OEM Part	IBM Part
100MB	45	M.3	142365-001	20H8119
120MB	50	P.4	136918-001	20H8589
210MB	51	P.4	124013-001	93F7865
cntrl:001283,001628,WD1009			111918-001	
340mb*	28	N.4	194525-001	20H8617
cntrl:001283,001628,WD1009				
HD Exp. Unt (300MB)				
cntrl:001283,001472,001628,WD1009				

* formats to 325MB, contains IDE interface

System Bds	Assembly	OEM Part	IBM Part
386SX Sys. Bd.	000954*/001145	112572-001	93F7894
	001148**/001157		
	001644		

* comes with VGC bd on sys. bd

** comes w/ 1MB mem mod on sys. bd.

Diskette Drives	OEM Part	IBM Part
360KB	112567-001	93F7106
1.2 (5.25" third height)	112566-001	93F7252
1.44MB*	112565-001	93F7107

* Uses MS DOS 3.31 rev A if used as drive B, uses MS DOS v.3.31 rev. B if used as drive A

Tape Drives	OEM Part	IBM Part
40/60MB w/ compression	112524-001	93F7889
60MB w/ compression	131338-001	93F8240
80/120MB (1/2 ht) w/ cmprssn	122087-001	93F8246
80/120MB (1/3 ht) w/ cmprssn	131337-001	93F8241
120/250MB	197490-001	20H8465
135MB	112523-001	93F7888
150/250MB	115220-001	93F7891

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		112570-001	93F7153
Battery		112654-001	93F8115
sys bds (000954,001145,001148,001644)			
Battery/clock		107872-001	93F7109
sys bds(001157,002116)			

Cables	Function	OEM Part	IBM Part
Disk/Tape SIG	all disks, 40/60 & 80/120 tbu	113594-001	93F7251
Disk SIG/Pwr	1.44mb disk	122158-001	93F7277
Mass Sto Pwr	disk/tbu	113596-001	93F7250
Mass Sto Pwr	single HD "C"	101741-001	93F7247
Mass Sto Pwr	dual HD	101741-004	93F7148
Tape SIG	150/250MB tbu	113198-002	93F8256
HD Sig.	HD "C"	113595-001	93F7267
HD Sig.	HD "D"	112528-001	93F7248
Mass Sto. Pwr	320MB HD	115215-001	93F7171
Mass Sto SIG	320MB HD(20 pin)	100625-006	93F7293
	320MB HD (34 pin)	115197-001	93F7169
Ext. I/O	Expansion Unit	115810-001	93F7161
Telephone	modem	112666-001	20H8333
VGA Pass thru	adv.graphics	114229-001	93F7142

Processor/Co-Processor Location

System Board	(386SX-16)	(387SX-16)
000954,001145	U80	U104
001148,001157,001644	U97	U115

System ROM Location

	System ROM	System Opt. ROM
000954,001145	U81 Odd U67 Even	
001148,001157,001644	U90 Odd U74 Even	U47 Odd U40 Even

System ROM Revisions (112564-001)

Sys Bd Assemblies 000954,001145,001148,001157,001644

Revision	ROM(ODD/EVEN)
M.3	112593-008/112594-008
N.2	112593-009/112594-009
N.4	112593-010/112594-010
N.5	112593-011/112594-011
P.3	112593-012/112594-012
P.4	112593-013/112594-013