

The following pages were
extracted from the:

*COMPAQ SERVICE
QUICK REFERENCE GUIDE*

DP386

COMPAQ DESKPRO 386

BOARD COMPATIBILITY LIST

Product	Assy No.	Spare Part No.	Page
SYSTEM BOARDS			
386 System	000401	108060-001	95
386 System	000558	108407-001	95
MEMORY BOARDS			
32-Bit Sys Mem	000413	108059-001	96
1 - 2 MB 32-Bit	000450	108082-001	96
0.5-2.0 MB 16-Bit	000458	108138-001	96
4 - 8 MB 32-Bit	000459	108083-001	96
MEMORY CHIPS			
256 X 1 (100 ns) SCRAM		108143-001	X
1 MB X 1 (100 ns) SCRAM		108144-001	X
CONTROLLER BOARDS			
Fixed Disk Cntrl	WD1002WAH	102778-001	A-1
ESDI Fixed Disk (3.1)	WD1005WAH	108140-001	A-1
ESDI 130/300	WD1007AWAH	113265-001	A-1
Tape Adapter	000774	113259-001	A-3
Multipurpose Fixed Disk	000815	113446-001	A-3
ESDI External 300/600	001091	115839-001	A-3
15 MHz ESDI Cntrl	001283/001628	115188-001	A-4
ESDI/Diskette Cntrl	001472	115374-001	A-4
VIDEO BOARDS			
Enh Color Graphics*	000410	106373-001	A-5
Enh Color Graphics*	000471	109196-001	A-5
VDU	000031/000160/ 000345	101340-001	A-5
VDU	000525	101340-001	A-7
VGC*	000806/001241 109360	109253-001	A-7
Advanced Graphics 1024	109958	114201-001	A-8
Advanced Graphics Memory	109959	114202-001	X
* ECG and VGC require system ROM E or later			
MISCELLANEOUS			
Serial/Parallel Interface	000570	106886-001	A-8
Serial/Parallel Interface	000990	106886-001	A-9
2400-Baud Int Modem	001070	112693-001	X

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FIXED DISK DRIVES

Drive Size	Drive Type	Inter-leave	Inte-grated	Min ROM	Spare Part No.	Controller Assy No.
40 MB ⁰	17	3:1	Y	F	108058-001	000815
70 MB	12	2:1	N	F	102932-001	WD1002WAH
130 MB ¹	25 ²	3:1	N	F	108080-001	WD1005WAH
	35 ²	1:1		F		WD1007AWAH
300 MB ³	38	1:1	N	H.8	113219-001	001091 001283 001472 ⁴ 001628

⁰ See page A-13 for dual 40-MB drive configuration information

¹ Comes formatted as type 35 for the WD1007AWAH controller. If used with the WD1005WAH controller (type 25) you must perform an unconditional format followed by a surface analysis using ADVANCED DIAGNOSTICS 5.04 or greater

² MS-DOS 3.1 or earlier supports type 25 only. MS-DOS 3.2 or later supports either type. Use type 25 if the application software supports only 17 sectors per track.

³ Used in Fixed Disk Expansion Unit. Requires MS-DOS 3.3 or later

⁴ Disable diskette circuitry when using as a fixed disk drive controller.

TAPE DRIVES

Drive Size	Spare Part No.	Tape Cartridge	Spare Part No.
40 MB	108081-001	40 MB (DC2000)	108142-001
135 MB	113218-001	135 MB (DC600 XTD)	113234-001
150/250 MB	115368-001	150 MB (DC600 XTD)	113234-001
		250 MB	115298-001

DISKETTE DRIVES

Size	Spare Part No.
360 KB	102928-001
1.2 MB	102775-001
1.44 MB*	113263-001

*Requires system ROM H.8 or later for use with MS-DOS and system ROM J.4 or later for use with MS OS/2 Version 1.1. Requires MS-DOS Version 3.31 Revision A if installed as drive B, and MS-DOS Version 3.31 Revision B if installed as drive A.

CABLE INFORMATION

Cable Function	Used With	Spare Part No.
Diskette/Tape Signal ¹	All Diskette Drives 40-MB Tape	101380-002
Mass Storage Power ¹	All Diskette, Tape & Fixed Disk Drives	101137-001
Tape Signal	135-MB Tape 150/250-MB Tape	113198-001
FDD Signal	70-MB FDD	100625-003 100625-004
		34 Pin 20 Pin
FDD Signal ²	Single 40-MB FDD Dual 40-MB FDD	108086-001 108087-001
FDD Signal ³	130-MB FDD	100625-005 100625-006
		34 Pin 20 Pin
External I/O ⁴	Expansion Unit	115810-001
Telephone Cable	Modem	112686-001

¹ Part of kits 102934-001 & 108146-001

³ Part of kit 108146-001

² Part of kits 100641-002 & 102394-001

⁴ Part of kit 108249-001

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BOARD JUMPER/SWITCH SETTINGS

SYSTEM BOARD (000401)

SW1 SETTINGS						Function
1	2	3	4	5	6	
ON						Reserved
	ON					80287 coprocessor installed
	OFF*					80287 coprocessor not installed
		ON				Coprocessor speed 4 MHz
		OFF*				Coprocessor speed 8 MHz
			ON*			CPU boot speed 16 MHz except when accessing diskette drive, then 8 MHz
				OFF		CPU boot speed 16 MHz (always)
					OFF	Reserved
					ON*	COMPAQ VDU, COMPAQ EGA, compatible EGA, RGBI, or VGC
					OFF	3rd-party monochrome (MDA only)

* Default

SYSTEM BOARD (000558)

SW1 SETTINGS								Function
1	2	3	4	5	6	7	8	
ON								Reserved
	ON							Coprocessor installed
	OFF*							No coprocessor installed
		ON						80287-3 or -6 co- processor speed 4 MHz
		OFF*						80287-8 coprocessor speed 8 MHz
			ON*					CPU boot speed 16 MHz except when accessing diskette drv, then 8 MHz
				OFF				CPU boot speed 16 MHz (always)
					OFF			Reserved
						ON*		COMPAQ VDU & EGA compatible EGA, RGBI or VGC
						OFF		3rd-party monochrome (MDA only)
							ON*	80287-3, -6, or -8 copro- cessor or no co- processor installed
							OFF	387-16 coprocessor
							ON	Reserved

* Default

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BOARD JUMPER/SWITCH SETTINGS

32-Bit System Memory Board (000413)

Jumper Setting	Function
E1 to E2, E4 to E5	256 KB base memory
E2 to E3, E4 to E5	512 KB base memory
E2 to E3, E5 to E6	640 KB base memory (default)
E7 to E8	Disables extended memory (default)
E8 to E9	Enables extended memory

CAUTION: DO NOT connect E3 to E4 or E6 to E7. System board damage may occur.

0.5 to 2 MB 16-Bit Memory Board (000458)

Jumper Settings	Base Address
1 to 2, 4 to 5	4 MB (default)
1 to 2, 5 to 6	6 MB
2 to 3, 4 to 5	10 MB
2 to 3, 5 to 6	12 MB

1- to 2-MB (000450) & 4- to 8-MB (000459) 32-Bit Memory Expansion Boards

J101 Setting	1- to 2-MB Board	4- to 8-MB Board
1 to 2	Enables second 1 MB of memory	Enables second 4 MB of memory
2 to 3 (default)	Disables second 1 MB of memory	Disables second 4 MB of memory

PROCESSOR/COPROCESSOR LOCATIONS

	000558 Sys Bd	000401 Sys Bd
Processor (386-16)	U78	U58
Coprocessor (387-16)	U60	N/A
Coprocessor (80287-3, -6, or -8)	U42	U39

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SYSTEM ROM INFORMATION

SYSTEM ROM LOCATIONS

000401 Sys Bd

000558 Sys Bd

U13 ODD

U15 ODD

U11 EVEN

U13 EVEN

SYSTEM ROM REVISIONS (Spare Part No. 108283-001)

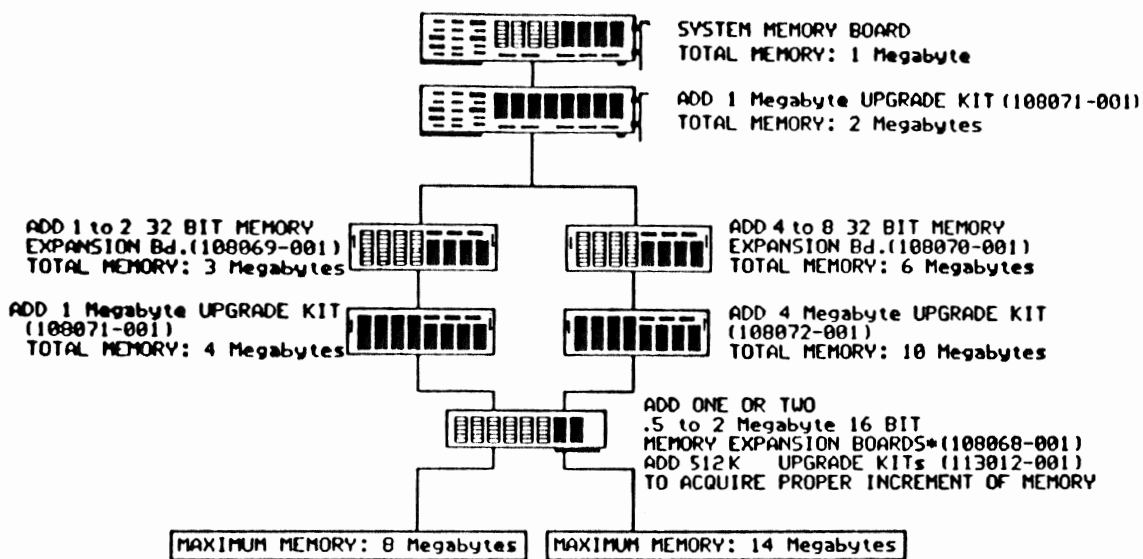
Rev	PN on ODD ROM	PN on EVEN ROM
E	108284-001	108285-001
F	108327-001	108328-001
G	108327-002	108328-002
H 8	113269-008	113270-008
J 4	109591-001	109592-001
K 2	109591-003	109592-003
M 1	109591-004	109592-004
N 1	109591-005	109592-005

POWER SUPPLY

Spare Part No. 108065-001

BATTERY

Spare Part No. 102929-001



*Because this memory is only 16 data bits wide, any data or programs contained in the 16 bit memory will have slower access than 32 bit memory.

COMPAQ DESKPRO 386 MEMORY UPGRADE CHART