

The following pages were  
extracted from the:

---

*COMPAQ SERVICE  
QUICK REFERENCE GUIDE*

# PORT III

## COMPAQ PORTABLE III BOARD COMPATIBILITY LIST

Product	Assy No.	Spare Part No.	Page
---------	----------	----------------	------

### SYSTEM BOARDS

80286 System	000540/000709	107372-001	43/44
--------------	---------------	------------	-------

### MEMORY BOARDS

Expanded Memory	000718	107805-001	44
Memory Expansion	000543	107378-001	44

### MEMORY MODULES

256 X 9 SIMM		107380-001	X
1 MB X 9 SIMM		107379-001	X

### VIDEO BOARDS

Enh Color Graph*	000410	106373-001	A-5
Enh Color Graph*	000471	109196-001	A-5
Plasma Display	000392	107374-001	44
	000932		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 K or later

### MISCELLANEOUS

2nd Serial*	000715		X
16-Bit Mem/Modem	000549/000755	107375-001	X
1200-Baud Int. Modem	107041	107376-001	X
2400-Baud Int. Modem	CEF6CK14373	107791-001	X
Serial/Parallel Interface	000570	106886-001	A-8
Serial/Parallel Interface	000990	106886-001	A-9

\*Available for use outside of the U.S. and Canada

# PORT III

## COMPAQ PORTABLE III

### FIXED DISK DRIVES

Drive Size	Drive Type	Inter-leave	Inte-grated	Min ROM	Spare Part No.	Controller Assy No.
20 MB	2	1:1	Y	K	107890-001	N/A
20 MB	2	3:1	Y	K	107358-001	N/A
40 MB	17	3:1	Y	K	107357-001	N/A
40 MB*	43	1:1	Y	P	114106-001	N/A

\* Requires MS-DOS 3.2 or later

### TAPE DRIVE

Drive Size	Spare Part No.	Tape Cartridge	Spare Part No.
40 MB*	107785-001	40 MB (DC2000)	108142-001

\*Used in Expansion Unit only

### DISKETTE DRIVES

Size	Spare Part No.
360 KB	107360-001
1.2 MB	107359-001
1.44 MB*	109595-001

\*Requires system ROM N 2 or later for use with MS-DOS and system ROM P 2 or later for use with MS-DOS/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.
Mass Storage Power	Fixed Disk Drive Drive C	101741-001 6 in.
Mass Storage Power	Fixed Disk Drive Drive D	101741-004 15 in.
FDD Signal	All Fixed Disk Drives	107176-001
Diskette Signal	All Diskette Drives Single Drive	107177-001
Diskette Signal	All Diskette Drives Dual Drives	107177-002
Display Data	Display	107171-001
Display Controller	Display	107173-001
Display Intensity	Display	107174-001
Display Power	Display	107175-001
RGB Port	Display	107172-001
Modem Jack	Modem (RJ11 to RJ11)	107518-001
Cable Kit	All	107382-001

# PORT III

## COMPAQ PORTABLE III

### BOARD JUMPER/SWITCH SETTINGS

SYSTEM BOARD (000540 & 000709)

Jumper Settings*	Function
E1-1 to E1-2**	CPU speed 12 or 8 MHz when accessing diskette drive
E1-2 to E1-3	CPU speed 8 MHz when accessing diskette drive
E2	Reserved - No jumper installed
E3-1 to E3-2**	Serial device COM1
E5-2 to E16-2	IRQ4
E3-2 to E4-2	Serial device COM2
E5-1 to E5-2	IRQ3
E3-1 to E4-1	Modem for COM1
E16-1 to E16-2	IRQ4
E4-1 to E4-2**	Modem for COM2
E5-1 to E16-1	IRQ3
E7-2 to E7-3**	Enable parallel interface
E7-1 to E7-2	Disable parallel interface
E8-1 to E8-2**	Diskette drive primary address
E8-2 to E8-3	Diskette drive secondary address
E8-4 to E8-5**	Fixed disk drive primary address
E8-5 to E8-6	Fixed disk drive secondary address
E10-1 to E10-2	16-KB ROM
E10-2 to E10-3**	32-KB ROM
E12-1 to E12-2	Enable ROM set 2
E12-2 to E12-3**	Disable ROM set 2
E17-2 to E17-3** &	No extended memory when using the expanded
E17-4 to E17-5	memory board
E17-2 to E17-3 &	Address bank 1 (extended memory)
E17-5 to E17-6	(J201 and J202)
E17-1 to E17-2 &	Address bank 1 & 2 (extended memory)
E17-4 to E17-5	(J201 through J204)
E17-1 to E17-2 &	Address banks 1, 2, & 3 (extended memory)
E17-5 to E17-6	(J201 through J206)

\* If another serial device or a third-party modem is used, the jumpers for that device's address must be removed

\*\* Default

*Continued*

# PORT III

## COMPAQ PORTABLE III

### BOARD JUMPER/SWITCH SETTINGS

SYSTEM BOARD (000540 & 000709)

SW1 Settings

1	2	3	4	5	6	7	8	Function
ON	ON							Reserved
ON	OFF							0-256 KB
OFF	ON							0-512 KB
OFF*	OFF*							0-640 KB
		ON*	OFF*					Select 256KB X 9 DRAM module for expansion memory
		OFF	ON					Select 1MB X 9 DRAM module for expansion memory
		OFF	OFF					Reserved
		ON	ON					Reserved
				ON*				Enable fixed disk drive
				OFF				Disable fixed disk drive
					ON			CPU boot speed 8 MHz
					OFF*			CPU boot speed 12 MHz
						ON*		Plasma display in CGA mode
						OFF		Plasma display in monochrome mode
							OFF	Reserved

\*Default

#### EXPANDED MEMORY BOARD (000718)

Jumper	Function
E1 1-2	256-KB modules installed (default)
E2 1-2	
E1 2-3	1-MB modules installed
E2 2-3	

#### MEMORY EXPANSION BOARD (000543)

Jumper	Function
1-2	256-KB modules installed (default)
2-3	1-MB modules installed

#### PLASMA DISPLAY CONTROLLER BOARD (000392)

Jumper E1	Function
1-2	Primary Address 3XXX (default)
2-3	Secondary Address 2XXX

# PORT III

## COMPAQ PORTABLE III

### PROCESSOR/COPROCESSOR LOCATIONS

PROCESSOR (80286-12)	COPROCESSOR (80287-8)
U52	U43

### SYSTEM ROM INFORMATION

#### SYSTEM ROM LOCATIONS

U72 ODD  
U89 EVEN

#### SYSTEM ROM REVISIONS (Spare Part No. 107592-001)

Rev	PN on ODD ROM	PN on EVEN ROM	Size
K	106778-002	106779-002	16 Kbyte
N 2	107824-001	107825-001	32 Kbyte
P.2	109737-001	109738-001	32 Kbyte
R 2	109737-002	109738-002	32 Kbyte

### POWER SUPPLY

Spare Part No. 107373-001

### BATTERY

Spare Part No. 107385-001 (For System Board 000709-001)

### BATTERY/CLOCK MODULE

Spare Part No. 107872-001 (For System Board 000709-003)



SYSTEM BOARD  
TOTAL MEMORY: 640K

ADD 16-BIT MEMORY/MODEM  
INTERFACE BOARD (107000-001)

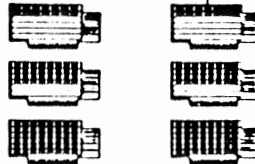
ADD EITHER:  
MEMORY EXPANSION BOARD (107011-001)  
(EXTENDED MEMORY) or  
EXPANDED MEMORY BOARD (107570-001)  
(EXPANDED MEMORY)

ADD EITHER / OR

ADD 512 Kbyte MEMORY OPTION KIT  
(107331-001)  
TOTAL MEMORY: 1.1 Megabytes

ADD 512 Kbyte MEMORY OPTION KIT  
(107331-001)  
TOTAL MEMORY: 1.6 Megabytes

ADD 512 Kbyte MEMORY OPTION KIT  
(107331-001)  
TOTAL MEMORY: 2.1 Megabytes



ADD 2 Megabyte MEMORY OPTION KIT  
(107332-001)  
TOTAL MEMORY: 2.6 Megabytes

ADD 2 Megabyte MEMORY OPTION KIT  
(107332-001)  
TOTAL MEMORY: 4.6 Megabytes

ADD 2 Megabyte MEMORY OPTION KIT  
(107332-001)  
TOTAL MEMORY: 6.6 Megabytes

## COMPAQ PORTABLE III MEMORY UPGRADE CHART