

SYSTEMPRO

System Board	Assembly	Spare Part
System I/O Board	001514/001981	116796-001
386/33 System Processor	001358	116795-001
486/33 System Processor	001738/002013	116794-001 (CO Step)
	002013	116794-002 (DO Step)
486 DX2/66 Processor *	002211	133825-001

* Minimum system ROM version 061992.

Jumper Settings (System Board 001514 and 001981)

Jumper	Pins	Function
E1	2 - 3 *	Enable Power-On Password
E1	1 - 2	Disable Power-On Password
E2		Reserved
E3	2 - 3 *	Read extended nonvolatile memory on power-on (Standard Mode)
E3	1 - 2	Bypass extended nonvolatile memory on power-on (Maintenance Mode)
E4	2 - 3 *	Enable Integrated VGA
E4	1 - 2	Disable Integrated VGA

* Default.

Memory Boards	Assembly	Spare Part
32-Bit, 4-Socket System Memory	001370	116799-001
32-Bit, 6-Socket Memory Expansion	001376	116803-001
2 MB Single-Socket Memory Module	001250	115184-001
8 MB Single-Socket Memory Module	001361	116800-001
8 MB Dual-Socket Memory Module	001364	116801-001
32 MB Dual-Socket Memory Module *	001367	116802-001

* Marked with red lettering for quick identification.

Controller Boards	Assembly	Spare Part
SMART Controller	002969	142130-001
	003596	181132-001
Fast SCSI-2 Controller	002682	142040-001
Fast-Wide SCSI-2/E Controller	003529	199634-001
NetFlex Controller	002709	142041-001
NetFlex Controller Token Ring Module	142035	142042-001
NetFlex-2 ENET-TR Controller	003382	142222-001
NetFlex-2 DualPort ENET Controller	003101	142151-001
NetFlex-2 TR Controller	003647	199521-001
NetFlex-2 DualPort TR Controller	003104	142195-001
NetFlex-3/E Controller	004162	169801-001
NetFlex-3/P Controller	004165	169811-001
NetFlex-3 100 Base-TX Upgrade Module	004183	169805-001
NetFlex-3 100 VG-AnyLAN Upgrade Module	004189	169803-001

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Video Boards	Assembly	Spare Part
Advanced Graphics 1024 *	109958	114201-001
Advanced Graphics Memory	109959	114202-001
QVision 1024/E Controller *	001924	126654-001

* See Volume 2 Appendix, Multiproduct Boards, for settings.

Miscellaneous Boards	Assembly	Spare Part
Serial/Parallel Interface ⁴	000570	106886-001
	000990	
2400-Baud Int Modem	001070	Not Available
9600/2400 Fax Modem		197458-001
SpeedPaq 144/I Data and Fax Modem ⁵	003002	147453-001
Server Manager/R ^{1, 2}	001897	125726-001
Server Manager/R ³	001897	125745-001

¹ Sold and serviced only by qualified Authorized Compaq Resellers.

² Available in the US and Canada.

³ Available outside of the US and Canada.

⁴ See Volume 2 Appendix, Multiproduct Boards, for settings.

⁵ See Volume 2 Appendix, Modem Configuration Information.

Stand-Alone Hard Drives

Size	Type	Inter-leave	Inte-grated	Mini ROM	Spare Part	Controller Assembly
120 MB	50	1:1	Y	091689	116806-001	N/A
210 MB	51	1:1	Y	091689	124013-001 ²	N/A
					162096-001 ^{3,4}	
320 MB	28	1:1	N	091689	115182-001 ²	001628
					111918-001 ³	
650 MB	49 ¹	1:1	N	091689	115181-001 ²	001628/
					111886-001 ³	WD1009
Hard Drive Expansion Unit						001628 WD1009

¹ Drive Type 49 with MS-DOS, drive type 42 with OS/2 Version 1.0, and drive type 41 with operating systems from SCO.

² Except Europe.

³ Europe only.

⁴ IDE.

Hard Drive Array Pairs

Size	Array	Min ROM	Spare Part ^{1, 2}	Controller Assembly
120 MB	240 MB	091689	116806-001	001373/002037/141932
210 MB	420 MB	091689	116805-001	001373/002037/141932
			161956-001 ^{3,4}	
340 MB	680 MB	061992	139964-001	001373/002037/141932
510 MB ⁵	1.02 GB	092391	139965-001	001373/002037/141932
Intelligent Array Expansion System				001852

¹ Spare part numbers are for individual hard drives used in drive array pairs. Spare kits do not contain mounting hardware.

² Hard Drive Array Mounting Bracket spare part number 128180-001.

³ Europe only.

⁴ IDA, IDA2.

⁵ Thermal upgrade kit 162211-001 must be used if 3 or more 510MB drives are installed.

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Tape Drives	Spare Part	Tape Cartridge	Spare Part
150-/250-MB	115220-001	150 MB (DC 600 XTD)	113234-001
		250 MB (DC6250)	115298-001
320-/525-MB	116804-001	320 MB (DC6320)	119505-001
		525 MB (DC6525)	119504-001
1.3-/2.0-GB DAT	131149-001	1.3 GB	131167-001
		2.0 GB	131148-001
		DAT Cleaning Cartridge	131194-001

Diskette Drives	Spare Part
360 KB	112567-001
1.2 MB	112566-001
1.44 MB *	112565-001

* Requires MS-DOS Version 3.31 Revision A (or later) if installed as drive B, and MS-DOS Version 3.31 Revision B (or later) if installed as drive A.

Cables

Cable Function	Where Used	Spare Part	Description
Diskette Power	Diskette Locations Q1, Q2, Q3	116939-001	10.5 inch
Diskette Signal	Diskette Locations Q1, Q2, Q3	116940-001	12 inch
Dual AUI Breakout		197134-001	
DualPort ENET Loop		142254-001	
Hard Drive Power	Single Hard Drive	120591-001	15 inch
Hard Drive Signal	Single Hard Drive	119510-001	15 inch
Hard Drive Signal Kit	ESDI Hard Drive	115812-001	17 inch
Hard Drive Power	Drive Array Pair	116936-001	10 inch
	Locations L1 and L2		
Hard Drive Signal	Drive Array Pair	116942-001	8 inch
	Locations L1 and L2		
Hard Drive Power	Drive Array Pair	116935-001	20 inch
	Locations L3 and L4		
Hard Drive Signal	Drive Array Pair	116938-001	10 in
	Locations L3 and L4		
Hard Drive Signal	Drive Array Pair	116937-001	11 inch
	Locations L3 and L4 (Rear)		
Hard Drive Power	Hard Drive Locations	141942-001	
Sidemount	L1 and L2 Dual		
Hard Drive Signal	Hard Drive Locations	141941-001	
Sidemount	L1 and L2 Dual		
Hard Drive Power	Hard Drive Locations	143857-001	
Sidemount	L3 and L4 Dual		
Tape Power	150-/250-MB Tape	116932-001	
	320-/525-MB Tape		
Tape Power	1.3-/2.0-GB Tape	120591-001	
Tape Signal	150-/250-MB Tape	116931-001	24-inch
Tape Signal	320-/525-MB Tape	116933-001	24-inch
	1.3-/2.0-GB Tape		
VGA Pass-Through	Advanced Graphics	114229-001	

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Coprocessor Locations (System Processor Board 001358)

U1	Weitek 3167-33
U2	387-33

System ROM Locations (System Processor Board 001514)

U55 ODD	U54 EVEN
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System ROM Revisions (Spare Part 116797-001) (System Board Assembly 001514)

Revision	Number on ODD ROM	Number on EVEN ROM
091689	116686-001	116687-001
101189	116686-003	116687-003
101989	116686-004	116687-004
112989	119863-002	119864-002
120689	119863-003	119864-003
020990	123151-001	123152-001
080190	122035-001	122036-001
101590	122035-002	122036-002
032291	126865-001	126866-001
040491	126865-002	126866-002
081491	126865-003	126866-003
092391	126865-004	126866-004
033092	126865-005	126866-005
061992	136413-001	136412-001
041393	144047-001	144048-001

System ROM Location (System I/O Board 001981)

U33

System ROM Revisions (Spare Part 128128-001) System I/O Board Assembly 001981

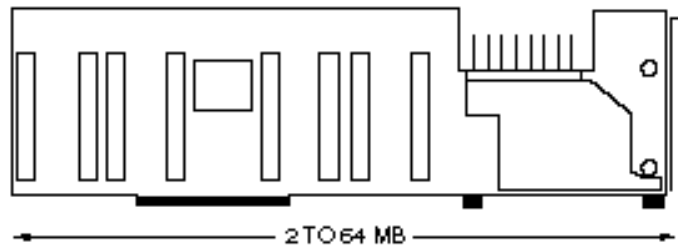
Revision	Number on ODD ROM
092391	128119-007
033092	128119-008
061992	136414-001
041393	144049-001

Power Supply/Battery	Spare Part
Power Supply	116798-001
Battery/Clock Module (On System I/O Board 001514)	107872-001
Battery/Clock Module (On System I/O Board 001981)	126570-001

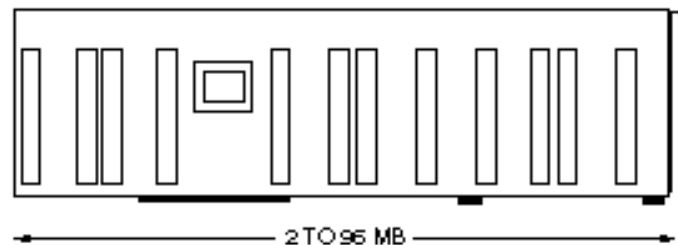
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MEMORY UPGRADE CHART

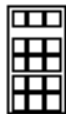
32-BIT 4-SOCKET SYSTEM MEMORY BOARD
ASSY NO. 001370



32-BIT 6-SOCKET SYSTEM MEMORY BOARD
OPTION PN 116559-001



OPTION
115144-001



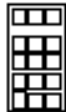
2 MB SINGLE-SOCKET
MODULE
256K X 4
(USES ONE SOCKET)

OPTION
116558-001



32 MB DUAL-SOCKET
MODULE
4 MB X 4
(USES TWO SOCKETS)

OPTION
116561-001



8 MB SINGLE-SOCKET
MODULE
1 MB X 4
(USES ONE SOCKET)

A 4-SOCKET SYSTEM MEMORY BOARD IS STANDARD ON ALL MODELS. NO MEMORY IS INCLUDED WITH SYSTEM BOARDS OR EXPANSION BOARDS. ALL MEMORY IS ADDED WITH MODULES. MEMORY EXPANSION BOARDS ARE IDENTICAL. A MAXIMUM OF TWO BOARDS MAY BE ADDED FOR A TOTAL OF 256 MEGABYTES OF MEMORY. IF SLOT 10 IS OCCUPIED BY A SECOND SYSTEM PROCESSOR BOARD, A SECOND MEMORY EXPANSION BOARD CANNOT BE ADDED, AND TOTAL MEMORY IS RESTRICTED TO 160 MEGABYTES.