

ProLiant 4500

System Boards*	Assembly	Spare Part
System I/O Board, SCSI	004308-001	188414-001
5/100 Processor Board	005154-001	184793-001
5/133 Processor Board w/ 2 MB Cache	004715	213417-001
5/133 Processor Board w/ 512 KB Cache	005390-001	213438-001
5/166 Processor Board	005590	213466-001
Drive Backplane Board, Wide SCSI, Hot Pluggable	004542-001	188490-001
Pass Through Board, Wide SCSI	004349-001	199612-001

* All processor boards listed in this table ship with a processor chip installed.

SW1 Switch Settings (004308)

SW	Function	Set to ON	Set to OFF *
S1	VIDEO DISABLE	Disables integrated video controller	Enables the integrated video controller
S2	CONFIGURATION LOCK	Disables configuration changes	Enables configuration changes
S3	CHASSIS	System installed in rack chassis	System installed in tower chassis
S4	DISKETTE BOOT OVERRIDE	Enables system booting from diskette drive regardless of config setting	System booting from the diskette drive is controlled by config settings
S5	POWER-ON PASSWORD	Clears password	System booting is password protected if a password is set
S6	CONFIGURATION MEMORY CLEAR	Clears the configuration memory	

* Default.

Jumper Settings For SCSI ID

Device in Drive Bay	SCSI ID	PIN 3 ID2	PIN 2 ID1	PIN 1 ID0
6	6	ON	ON	OFF
5	5	ON	OFF	ON

NOTE: SCSI IDs for bays 0-3 are preset to 0-3 respectively. No two drives can have the same SCSI ID.

Memory Boards/Modules	Speed	Assembly	Spare Part
Memory Expansion Board		002563-001	139947-001
4 MB SIMM	70 ns	118665-004	141754-001
4 MB SIMM	80 ns	118665-002	118741-001
8 MB SIMM	70 ns	129041-002	141755-001
8 MB SIMM	80 ns	129041-001	128954-001
16 MB SIMM	70 ns	137143-003	149947-001
16 MB SIMM	80 ns	137143-002	139143-001
32 MB SIMM	70 ns	139973-002	149948-001
32 MB SIMM	80 ns	139973-001	139949-001
64 MB SIMM	70 ns		188489-001

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Controller Boards	Assembly	Spare Part
SMART Array Controller*	002969	142130-001
	003596	181132-001
SMART-2DH Array Controller	295244	295243-001
SMART-2/E Array Controller*	194771	194752-001
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	169811-003
NetFlex-3 100 Base-TX UTP Module	004183	169805-001
NetFlex-3 100 VG-AnyLAN UTP Module	004189	169803-001
10/100 TX PCI UTP Controller	005139	169849-001
10 T, PCI UTP Controller	006064	242501-001
4/16 TR PCI IBM UTP/STP Controller	N/A	199764-001
50-Pin to 68-Pin Adapter (standard to wide) *		189638-001
68-Pin to 50-Pin Adapter (wide to standard) *		189631-001

* Cable adapters are supported *only* between the controller and the internal SCSI cable. Adapters are NOT supported between the device and the cable. "SMART" controllers use adapter 189638-001. "SMART-2/E & 2/P" controllers use adapter 189631.

Miscellaneous Internal	Assembly	Spare Part
2400 Baud Modem (DAA)*	124611-001	127831-001
2400 Baud LTE Modem ¹ *	001732-002	121250-001
SpeedPaq Modem*	135698-001	199906-001
Hot-Pluggable Tray Adapter (Fast-Wide SCSI-2)	146729-004	199656-001
Hot-Pluggable Tray Adapter (Fast SCSI-2)	146729-003	146781-001

* Refer to Appendix E for country-specific modem part numbers.

¹ North America.

Miscellaneous External

See "ProLiant Storage System" section for information on:

- * External hot-pluggable hard drives
- * Stand-By Recovery Server Option and cables
- * On-Line Recovery Server Option and cables

See "SCSI Storage Expander" section for information on:

- * External non-pluggable hard drives
- * External tape drives

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Hard Drives	Spare Part
18.2 GB Hot-Pluggable Wide Ultra 1.6" SCSI-3	313764-001
9.1 GB Non Hot-Pluggable Wide Ultra 1.6" ¹	199886-001
9.1 GB Hot-Pluggable Wide Ultra 1.6" SCSI-3	304866-001
9.1 GB Hot-Pluggable Wide SCSI 1.6" ¹	199888-001
9.1 GB Non Hot-Pluggable Fast-SCSI-2	199885-001
4.3 GB Hot-Pluggable Wide Ultra 1" SCSI-3	304860-001
4.3 GB Hot-Pluggable Wide Ultra 1" ¹	242622-001
4.3 GB Non Hot-Pluggable Wide Ultra 1" ¹	242606-001
4.3 GB Hot-Pluggable FW SCSI-2	199598-001
4.3 GB Non Hot-Pluggable FW SCSI-2	199599-001
4.3 GB Hot-Pluggable Fast-SCSI-2	199584-001
4.3 GB Non Hot-Pluggable Fast-SCSI-2	199585-001
2.1 GB Hot-Pluggable Wide Ultra 1" ¹	242603-001
2.1 GB Non Hot-Pluggable Wide Ultra 1" ¹	242604-001
2.1 GB Hot-Pluggable FW SCSI-2 1"	199878-001
2.1 GB Hot-Pluggable FW SCSI-2	199643-001
2.1 GB Non Hot-Pluggable FW SCSI-2	199644-001
2.1 GB Hot-Pluggable Fast-SCSI-2	199428-001
2.1 GB Non Hot-Pluggable Fast-SCSI-2	142272-001
1.05 GB Hot-Pluggable Fast SCSI-2	146717-001
1.05 GB Non Hot-Pluggable Fast SCSI-2	146799-001
1" Drive Tray, SCA Connector*	242801-001
1" Drive Tray, Fast-Wide Connector*	199880-001
1" Drive Tray, Fast-SCSI-2 Connector *	242593-001
1.6" Drive Tray, Fast-Wide Connector	199656-001
1.6" Drive Tray, Fast-SCSI-2 Connector	146781-001

¹ Limited to Fast-Wide SCSI Bus Speeds.

* 1" Drive Tray Kits contain 1" and 1.6" covers without side-springs.

CD-ROM Drives	Spare Part
Tray Load, Internal	142223-201
8X, IDE	295934-001

Diskette Drives	Spare Part
1.2 MB	Discontinued
1.44 MB (standard)	144207-201
1.44 MB (optional)	112565-001

Tape Drives	Spare Part	Tape Cartridge	Spare Part
525-MB ACA	142073-001	525 MB QIC Cart.	119504-001
1.2 GB Tape Drive	199615-001	1.2 GB QIC Cart.	199625-001
2/8-GB DAT Clam Gray	142074-001	1.3 GB 60 M DDS1	131167-001
		2.0 GB 90 M DDS1	131148-001
		DAT Cleaning Cart.	131194-001
2/8-GB DAT Beach Gray	142074-201	1.3 GB 60 M DDS1	131167-001
		2.0 GB 90 M DDS1	131148-001
		DDS1 Cleaning Cart.	131194-001
2/4-GB DAT	142074-201	1.3 GB 60 M DDS1	131167-001
		2.0 GB 90 M DDS1	131148-001
		DDS1 Cleaning Cart.	131194-001
4/16-GB TurboDAT Clam Gray	199464-001	4.0 GB 120M DDS2	199496-001
		DDS2 Cleaning Cart.	242618-001

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Tape Drives	Spare Part	Tape Cartridge	Spare Part
4/16-GB TurboDAT	199464-201	4.0 GB 120M DDS2	199496-001
Beach Gray		DDS2 Cleaning Cart.	242618-001
4/8-GB DAT	295163-001	4.0 GB 120M DDS2	199496-001
		DDS2 Cleaning Cart.	242618-001
TurboDAT Autoloader	199466-001	4 Cartridge Magazine	199467-001
(internal) Clam Gray		12 Cartridge Magazine	199468-001
TurboDAT Autoloader	199466-201	4 Cartridge Magazine	199467-001
(internal) Beach Gray		12 Cartridge Magazine	199468-001
10/20 Table Top DLT	199676-001	10/20 GB Data Cart.	199703-001
10/20 Internal DLT	199746-001	DLT Cleaning Cart.	199705-001
15/30 Table Top DLT	242469-001	15/30 GB Data Cart.	242467-001
15/30 Internal DLT	242468-001	DLT Cleaning Cart.	199705-001
35/70 Table Top DLT	242854-B21	35/70 GB Data Cart.	295394-001
35/70 Internal DLT	242853-B21	DLT Cleaning Cart.	199705-001

Cables	Spare Part
Internal Fast-Wide SCSI-2 Cable, 23"	189637-003
External SCSI Signal Cable, 6'	146776-001
Internal SCSI 2-device Cable w/ Terminator, 36"	148728-001
LED Cables	148585-001
Diskette Drive Signal Cable	143706-001
DualPort Ethernet Loopback (2 CH NIC)	142254-001
2 Channel Ethernet "Y" Cable	197134-001
External 100-Pin to 50-Pin Cable	142159-001
Loop Back Cable, NetFlex	142054-001
DLT, 6', Standard to Centronix	199714-001
DLT, 6', Wide to Centronix	199780-001
DLT, 18", Daisy Chain (Table Top)	199713-001
DLT Active Terminator	199715-001

28.8k-bps Modem

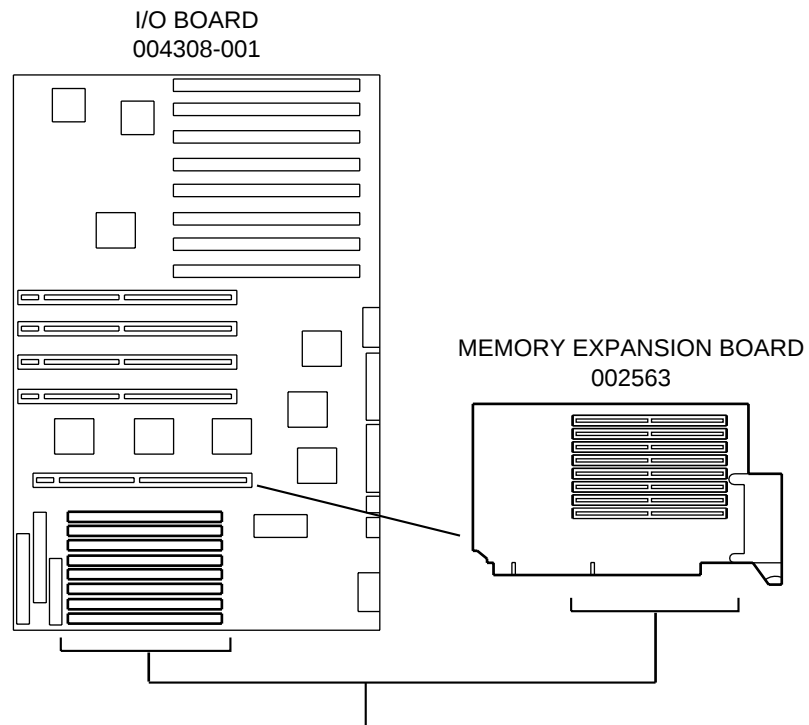
Country	Assembly	Spare Part	RJ-11 Phone Cable	Option
U.S.	223610-002	259214-002	127949-001	259213-001

ROM Information	Spare Part
System ROMPaq	143198-001
Option ROMPaq	142207-001
Drive Backplane ROM	146705-001

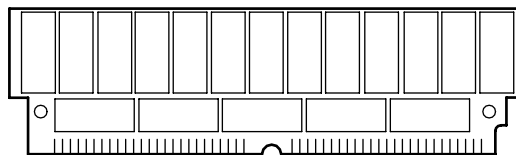
Power Supply/Battery	Spare Part
Clock/Battery	149344-001
Power Supply	188406-001
488 Watt Redundant Power Supply (Option)	163828-001

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Memory Upgrade Chart



SIMMS MUST BE ADDED IN SETS OF 4 OF THE SAME SIZE AND SPEED
UP TO 512 MB ON THE SYSTEM BOARD AND
UP TO 512 MB ON THE EXPANSION BOARD FOR
UP TO 1.024 GIGABYTES TOTAL SYSTEM MEMORY



16-MB 70ns (4 x 4MB) - OPTION PN 149949-001
16-MB 80ns (4 x 4MB) - OPTION PN 136816-001

32-MB 70ns (4 x 8MB) - OPTION PN 149912-001
32-MB 80ns (4 x 8MB) - OPTION PN 136817-001

64-MB 70ns (4 x 16MB) - OPTION PN 149913-001
64-MB 80ns (4 x 16MB) - OPTION PN 149341-001

128-MB 70ns (4 x 32MB) - OPTION PN 149914-001
128-MB 80ns (4 x 32MB) - OPTION PN 139918-001

256-MB 70ns (4 x 64MB) - OPTION PN 188056-001

128-Bit Memory Expansion Board Option PN 188874-001