

ProLiant 2000/4000

System Boards*	Assembly	Spare Part
486/50 Processor Board **	003164	136812-001 DISCONTINUED
486/50 Processor Board ***	003474	148672-001
5/66 Processor Board	002443-004	148677-001
5/90 Processor Board	004495-001	163848-001
	004495-011	DISCONTINUED
5/100 Processor Board	003756	163832-001
5/100 Processor Board	005154-001	184793-001
5/133 Processor Board	004715	213417-001
5/166 Processor Board	005590-001	213466-001
System I/O Board (5/66, 5/90, 5/100)	004486	163707-001
System I/O Board (486/50, 5/66, 5/100)	003116/003862	148550-001

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

** Dual-Processor capable.

*** Quad-Processor capable.

SW2 Switch Settings (003116, 003862, 004486)

SW	Function	Position	Status
S1	VIDEO DISABLE	OFF *	ENABLED
	If ROM detects optional video board, this switch is ignored and integrated video disabled.	ON	DISABLED
S2	PROCESSOR ENABLE	OFF	DISABLED
	S2 configures system for 3rd and 4th processors. Enables 2nd fan sensing. Up to 2 processors can be used when S2 disabled	ON	ENABLED
S3	RESERVED	OFF *	
S4	DISKETTE BOOT ENABLE	OFF *	DISABLED
	When S4 ON, system can be booted from diskette no matter what configuration reads.	ON	ENABLED
S5	POWER-ON PASSWORD DEFEAT	OFF *	DISABLED
	Password set in configuration.	ON	ENABLED
S6	NV RAM	OFF *	DISABLED
	Invalidates NV RAM and configuration is cleared when S6 is ON (enabled)	ON	ENABLED

* Default.

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

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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
SMART-2DH Array Controller	295244	295243-001

* 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 ¹ *	001768-002	121308-002
2400 Baud Modem ² *	001732-002	121250-001
SpeedPaq 144/I Data and Fax Modem*	003002	147453-001
Hot-Pluggable Drive Tray		146781-001
Hot-Pluggable Drive Backplane	004192-001	190060-001
SCSI Pass-Through Board	003418-001	142266-001

* Refer to Modem Configuration Information Appendix for country-specific modem part numbers.

¹ Outside North America.

² 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
9.1 GB Non Hot-Pluggable Wide Ultra 1.6" ²	199886-001
9.1 GB Hot-Pluggable Wide SCSI 1.6" ²	199888-001 ¹
9.1 GB Non Hot-Pluggable Fast-SCSI-2	199885-001
4.3 GB Hot-Pluggable Wide Ultra 1" ²	242622-001 ¹
4.3 GB Non Hot-Pluggable Wide Ultra 1" ²	242606-001
4.3 GB Hot-Pluggable FW SCSI-2	199598-001 ¹
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" ²	242603-001 ¹
2.1 GB Non Hot-Pluggable Wide Ultra 1" ²	242604-001
2.1 GB Hot-Pluggable FW SCSI-2 1"	199878-001 ¹
2.1 GB Hot-Pluggable FW SCSI-2	199643-001 ¹
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
1" Drive Tray, Fast-SCSI-2*	242593-001
1.6" Drive Tray, Fast-Wide Connector	199656-001
1.6" Drive Tray, Fast-SCSI-2 Connector	146781-001

¹ Requires Optional Fast-Wide SCSI-2 Backplane Upgrade.

² 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	142223-001
Tray Load, External	199430-001
Caddy Load	133881-001
QuadSpeed, Tray Load, Internal	184783-001
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 SCSI Hard Drive Cable *	148589-001
External SCSI Signal Cable	146776-001
Internal SCSI 2-Device Cable	148728-001
LED Cables	148585-001
Diskette Drive Signal Cable	143706-001
DualPort Ethernet Loopback	142254-001
Dual AUI Breakout Cable	197134-001
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

* ProLiant 2000.

28.8k-bps Modem

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

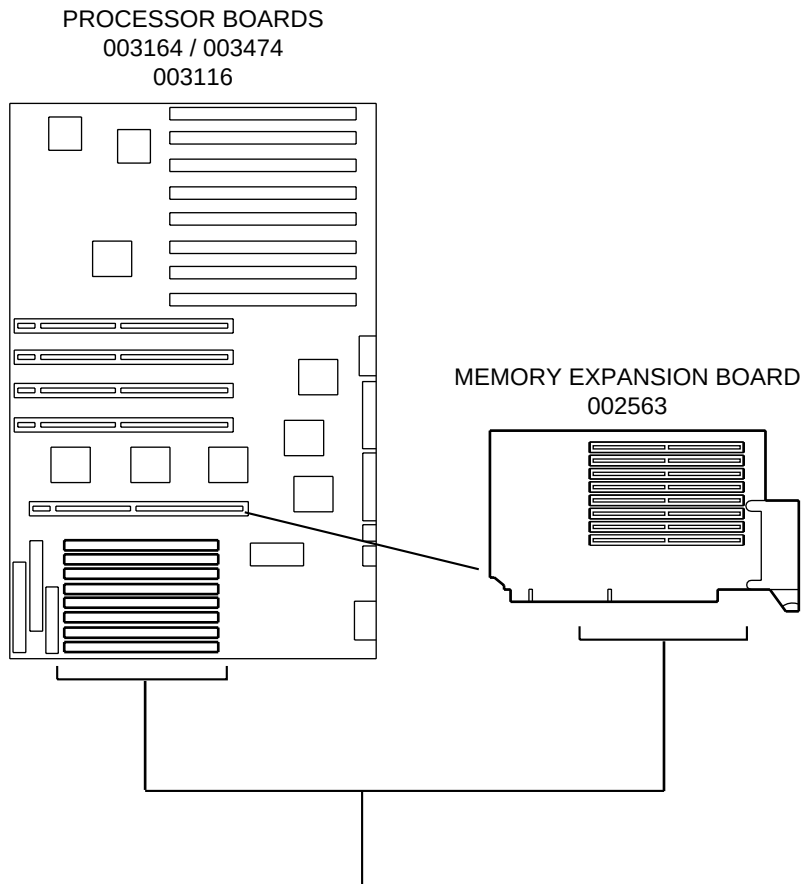
ROM Information	Spare Part
System ROMPaq	143198-001
Option ROMPaq	142207-001
Drive Backplane ROM	146705-001

Power Supply/Battery	Spare Part
Clock/Battery	149344-001
Power Supply, 445W	148569-001
Power Supply, 488W	163827-001
Redundant Power Supply, 488W	163828-001

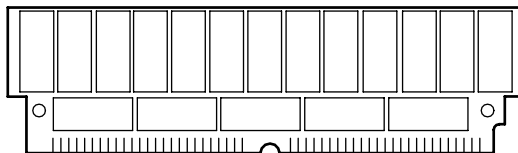
Options	Assembly	Spare Part
Remote Insight Board (EISA)	004367-001	199819-001

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Memory Upgrade Chart



SIMMS MUST BE ADDED IN SETS OF 4 OF THE SAME SIZE AND SPEED
UP TO 256 MB ON THE SYSTEM BOARD AND
UP TO 256 MB ON THE EXPANSION BOARD FOR
UP TO 512 MEGABYTES TOTAL SYSTEM MEMORY



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