

Rack-Mountable ProLiant 2500R

System/Processor Boards	Assembly	Spare Part
P6 Board, w/ Panel Assembly, w/o Processor	005668-101	271914-001
System I/O, P6 Board w/ Panel	005616-002	271953-001
6/200-512KB, System Processor Board w/ Panel Assembly, w/o Processor	281871-002	271914-002

SW1 Switch Settings (005616)

SW	Function	Set to ON	Set to OFF
S1	INTEGRATED VIDEO DISABLE	Disables the integrated video controller	Default. Enables the integrated video controller
S2	CONFIGURATION LOCK	Disables configuration changes	Default. Enables configuration changes
S3	RACK-MOUNT MODE	Default for ProLiant 2000R. System is installed in a rack chassis	Default for ProLiant 2500. System is installed in a tower chassis
S4	DISKETTE BOOT FEATURE ENABLE	Enables system booting from the diskette drive regardless of the configuration setting	Default. System booting from the diskette drive is controlled by the configuration settings.
S5	POWER-ON PASSWORD DEFEAT	Clears passwords	Default. System booting is password protected if a password is set
S6	CONFIGURATION MEMORY CLEAR	Clears the configuration memory	Default.

SW1, SW2, SW3. Bus/Core Frequency Ratio (005668)

Bus Core Ratio	SW1 and SW2				SW3	
	1	2	3	4	1	2
60 MHz/120 MHz	ON	ON	ON	ON	ON	OFF
60 MHz/150 MHz	ON	ON	ON	OFF	ON	OFF
60 MHz/180 MHz	ON	ON	OFF	ON	ON	OFF
60 MHz/210 MHz	ON	ON	OFF	OFF	ON	OFF
60 MHz/240 MHz	ON	OFF	ON	ON	ON	OFF
60 MHz/270 MHz	ON	OFF	ON	OFF	ON	OFF
60 MHz/300 MHz	ON	OFF	OFF	ON	ON	OFF
60 MHz/330 MHz	ON	OFF	OFF	OFF	ON	OFF
66 MHz/133 MHz	ON	ON	ON	ON	OFF	ON
66 MHz/166 MHz	ON	ON	ON	OFF	OFF	ON
66 MHz/200 MHz (default)	ON	ON	OFF	ON	OFF	ON
66 MHz/233 MHz	ON	ON	OFF	OFF	OFF	ON
66 MHz/266 MHz	ON	OFF	ON	ON	OFF	ON
66 MHz/300 MHz	ON	OFF	ON	OFF	OFF	ON
66 MHz/333 MHz	ON	OFF	OFF	ON	OFF	ON
66 MHz/366 MHz	ON	OFF	OFF	OFF	OFF	ON

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Jumper Settings For SCSI ID (Hot-Pluggable Models)

Device in Bay #	SCSI ID	BIT 2 ID2	BIT 1 ID1	BIT 0 ID0
6	6	ON	ON	OFF
5	5	ON	OFF	ON

SCSI IDs for bays 0-4 are preset to 0-4 respectively. No two drives can have the same SCSI ID.

Jumper Settings For SCSI ID (Duplexed Hot-Pluggable Models)

Device in Bay #	SCSI ID	BIT 2 ID2	BIT 1 ID1	BIT 0 ID0
5	5	ON	OFF	ON
4	4	ON	OFF	OFF

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

Jumper Settings For SCSI ID (Non Hot-Pluggable Models)

Device in Bay #	SCSI ID	BIT 2 ID2	BIT 1 ID1	BIT 0 ID0
5	5	ON	OFF	ON
4	4	ON	OFF	OFF
3	3	OFF	ON	ON
2	2	OFF	ON	OFF
1	1	OFF	OFF	ON
0	0	OFF	OFF	OFF

No two drives can have the same SCSI ID.

ProLiant 2500 Configuration Codes

Model	Processor	Drive	Config. Code
2500 N-HPL, M1	200 MHz	None	WB1
2500 N-HPL, M4300	200 MHz	4.3 GB	WB2
2500 JPL, M1	200 MHz	None	WA1
2500 HPL, M1S	200 MHz	None	WA3
2500R HPL, M1	200 MHz	None	BJM
2500R, 6/200, 512KB, M1	200 MHz		BPV1

Microprocessors

Spare Part

P6/180, Processor w/ Heat Sink	300927-001
P6/200, Processor w/ Heat Sink	221068-001
P6/200, Processor, w/ 512KB Cache	270174-001
6/333, Processor w/ Heat Sink	269686-001

P6-Only Memory Modules

Speed

Spare Part

32 MB DIMM EDO/B	60 ns	281857-001
64 MB DIMM EDO/B	60 ns	281858-001
128 MB DIMM EDO/B	60 ns	281859-001
256 MB DIMM EDO/B	60 ns	281860-001

Drive Cage Assemblies w/ Backplane

Spare Part

3 x 1.6" Drives, Hot-Plug	250909-001
5 x 1" Drives, Hot-Plug	271921-001
5 x 1" Drives, Non Hot-Plug	271922-001
Duplex Cage, Hot-Plug	271932-001

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Controller Boards	Assembly	Spare Part
SMART-2/E Array Controller**	194771	194752-001
SMART-2/P Wide-Ultra Array Controller* **	194799	194754-001
SMART-2/P Array Controller	194770	
SMART-2DH Array Controller	295244	295243-001
SMART-2SL Array Controller	006888	242777-001
Fast-Wide SCSI-2/E Controller	003529	199634-001
Wide-Ultra Controller*	003654-002	272515-001
Fast-Wide SCSI-2/P	003654-001	199633-001
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

*Ultra speeds not supported externally. Ultra drives will operate at Fast-Wide speeds.

**SMART-2/E & 2/P controllers use adapter 189631.

Miscellaneous Internal	Spare Part
Mini Backplane Board	250908-001
Regulator Module	225529-001
System I/O, w/ Panel-P6	271953-001
System Fan Assembly	271919-001
I/O Fan Assembly	281844-001
Integrated Management Display	271930-001
Hardware Kit w/ EMI Shield for Mgt Display	281847-001

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"	199886-001
9.1 GB Hot-Pluggable Wide SCSI 1.6"	199888-001
9.1 GB Non Hot-Pluggable Fast-SCSI-2 ¹	199885-001
4.3 GB Hot-Pluggable Wide-Ultra 1"	242622-001
4.3 GB Non Hot-Pluggable Wide-Ultra 1"	242606-001
4.3 GB Hot-Pluggable Fast-Wide SCSI-2	199598-001
4.3 GB Non Hot-Pluggable Fast-Wide SCSI-2	199599-001
4.3 GB Hot-Pluggable Fast-SCSI-2	199584-001
4.3 GB Non Hot-Pluggable Fast-SCSI-2 ¹	199585-001
2.1 GB Hot-Pluggable Wide-Ultra 1"	242603-001
2.1 GB Non Hot-Pluggable Wide-Ultra 1"	242604-001
2.1 GB Hot-Pluggable Fast-Wide SCSI-2 1"	199878-001
2.1 GB Hot-Pluggable Fast-Wide SCSI-2	199643-001
2.1 GB Non Hot-Pluggable Fast-Wide SCSI-2	199644-001
2.1 GB Hot-Pluggable Fast-SCSI-2	199428-001
2.1 GB Non Hot-Pluggable Fast-SCSI-2 ¹	142272-001
1.05 GB Hot-Pluggable Fast-SCSI-2	146717-001
1.05 GB Non Hot-Pluggable Fast-SCSI-2 ¹	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

¹Requires Options Fast-SCSI-2 Controller or adapter, and cabling.

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

28.8 Kb/s Modem

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

CD-ROM Drives	Spare Part
Tray Load, Internal	142223-001
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

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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
4/16 GB TurboDAT Beach Gray	199464-201	4.0 GB 120M DDS2	199496-001
		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 (internal) Clam Gray	199466-001	4 Cartridge Magazine	199467-001
		12 Cartridge Magazine	199468-001
TurboDAT Autoloader (internal) Beach Gray	199466-201	4 Cartridge Magazine	199467-001
		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

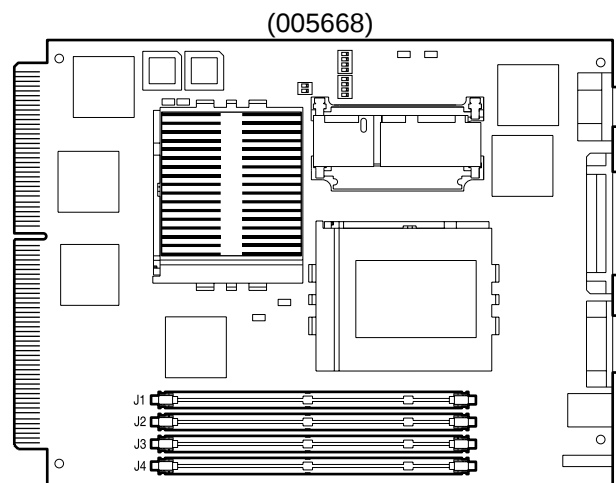
Cables	Spare Part
Power Cable, NHP	250906-001
Fan Cable	271920-001
Diskette Drive Cable	271928-001
IDE/CE Cable	271936-001
WD/SCSI Cable, 18" and 36"	271937-001
Parallel Cable	271938-001
Diskette/CD-ROM Power Cable	271939-001
SCSI Cable, NHP	271954-001
4-Device SCSI Cable w/ Terminator	300926-001
Terminator, Ultra SCSI	273797-001

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

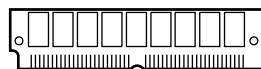
Power Supply	Spare Part
Battery Alk, 4.5v, 600ma, RTC	160274-001
Power Supply, 325 W, w/ Bracket	271916-001

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Memory Upgrade Chart



A MAXIMUM OF 1.024-GB TOTAL MEMORY



32-MB EDO 60ns DIMMS
OPTION PN 271907-001

64-MB EDO 60ns DIMMS
OPTION PN 271908-001

128-MB EDO 60ns DIMMS
OPTION PN 271909-001

256-MB EDO 60ns DIMMS
OPTION PN 271910-001