Overview
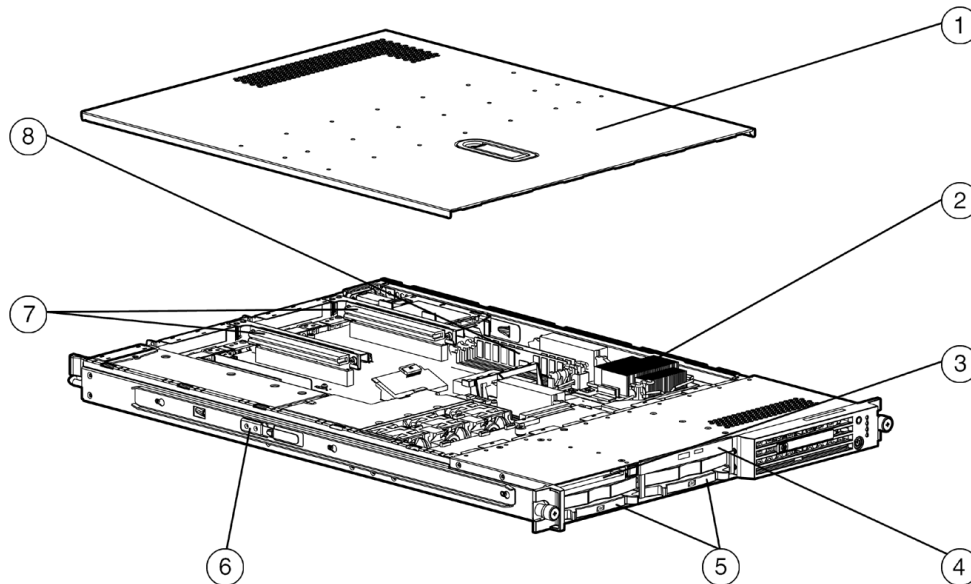

1. Tool-free cover
2. Processor (one shown, two supported)
3. 1.44-MB floppy drive
4. 24x CD-ROM drive (low-profile)

5. Two 1" Wide Ultra 320 SCSI Hot Plug Drive Bays
6. Rack side rails
7. 2 full length PCI-X slots
8. Memory slots

What's New

- Intel® Xeon 3.06 GHz/533 Processor (dual capability) with 1-MB L3 cache

At A Glance

- Leading the scale out environment with Integrated Lights-Out management, the DL360 offers essential availability features and concentrated 1U compute power for spaced constrained internet and data center environments
- Integrated Lights-Out (iLO) remote management embedded on every DL360
- Up to 2 Intel Xeon 3.06 GHz, 2.8 GHz or 2.4 GHz Processors with 533MHz front side bus and 512-KB level 2 cache
- 1U Rack form factor (1.75")
- ServerWorks GC –LE Chipset
- Embedded Smart Array 5i+ Plus RAID Controller with optional BBWC
- Two full length 64-bit/100MHz PCI-X slots (one slot available if redundant power supply is installed)
- 325-Watt hot plug power supply, with optional 1+1 redundancy
- Up to 8GB of 2-way interleaved PC2100 DDR SDRAM running at 266MHz, Advanced ECC memory standard
- Two NC7781 PCI-X Gigabit NICs (embedded)
- Supports up to two 1" Ultra320 (only) hot plug hard drives
- Exceptional serviceability with optional sliding rails, cable management and in-rack, tool-free access
- ProLiant Essential Foundation Pack standard, including SmartStart, Insight Manager, ROM Based Setup Utility (RBSU), and ActiveUpdate
- Protected by HP Services, including a three-year, next business day on-site limited global warranty and extended Pre-Failure Warranty which covers processors, memory, and hard drives — Certain restrictions and exclusions apply. Consult the HP Customer Support Center at 1-800-345-1518 for details.

Standard Features

Processor	(1) Intel Xeon Processor 3.06 GHz/533MHz -1MB	
	(1) Intel Xeon Processor 3.06 GHz/533MHz -512KB	
	(1) Intel Xeon Processor 2.80 GHz/533MHz -512KB	
	(1) Intel Xeon Processor 2.40 GHz/533MHz -512KB	

Cache Memory
One of the following
depending on Model:

512-KB Level 2 cache
1-MB Level 3 cache

Upgradability

Upgradeable to dual processing

Chipset

ServerWorks GC - LE Chipset
NOTE: For more information regarding ServerWorks, please see the following URL:
http://www.serverworks.com/products/overview.html.
NOTE: This Web site is available in English only.

Memory

Standard | 512 MB (2 x 256-MB, of 2-way interleaved PC2100 DDR SDRAM running at 266MHz; some models ships standard with 1GB (2x512MB) SDRAM

Maximum | 8 GB

Network Controller

Two NC7781 PCI-X Gigabit NICs (embedded)

Expansion Slots

I/O (2 Total)		PCI Voltage
64-bit, 100MHz	2	3.3 Volt

NOTE: 1 PCI-X slot available when hot plug redundant power supply is installed.

Manageability

Integrated Lights-Out (iLO) Management (integrated on motherboard)

Storage Controllers

Smart Array 5i Plus Controller (integrated on system board)
NOTE: The ProLiant DL360 Generation 3 (G3) does not offer an external SCSI port.

Storage

Diskette Drives	1.44 MB (fixed)
CD-ROM	24x IDE CD-ROM Drive (Low-Profile) (ejectable)
Hard Drives	None ship standard; system supports up to two 1" hot plug U320 drives
Maximum Internal Storage	291.2 GB (2 x 145.6 GB Wide Ultra320)

Standard Features

Interfaces	Serial	1
	Pointing Device (Mouse)	1
	Graphics	1
	Hot Plug Keyboard	1
	USB	2

NOTE: Please see the following URL for additional information regarding USB support: http://h18004.www1.hp.com/products/servers/platforms/usb-support.html.
NOTE: This Web site is available in English only.

	Network RJ-45	2
	iLO remote management port	1

Graphics   Integrated ATI RAGE XL Video Controller with 8-MB SDRAM Video Memory

Form Factor   Rack (1U), (1.75 in/4.45 cm)

Standard Features

ProLiant Essentials Foundation Pack Software	Insight Manager 7	Insight Manager 7 helps maximize system uptime and performance and reduces the cost of maintaining the IT infrastructure by providing proactive notification of problems before those problems result in costly downtime and reduced productivity. Insight Manager 7 is easy to set up and provides rapid access to detailed fault and performance information gathered by the Management Agents. One-click access to the Integrated Lights-Out or Remote Insight Lights Out Edition board allows systems administrators to take full graphical control of ProLiant servers in remote locations or lights-out data centers. Finally, Insight Manager 7 in concert with the Version Control Agents and Version Control Repository Manager enables systems administrators to version manage and update system software across groups of ProLiant servers.
	SmartStart	SmartStart is a tool that simplifies server setup, providing a rapid way to deploy reliable and consistent server configurations. For more information, please visit the SmartStart Web site at http://www.hp.com/servers/smartstart. SmartStart version supported (minimum): SmartStart 6.2.
	Management Agents	The Management Agents form the foundation for HP's Intelligent Manageability strategy. They provide direct, browser-based access to in-depth instrumentation built into HP servers, workstations, desktops, and portables, and send alerts to Insight Manager 7 and other enterprise management applications in case of subsystem or environmental failures. For additional information about the Management Agents and other management products from HP, please visit the management Web site at http://www.hp.com/servers/manage.
	ActiveUpdate	Active Update is a web-based application that keeps IT managers directly connected to HP for proactive notification and delivery of the latest software updates.
	ROMPaq, support software, and configuration utilities	The latest software, drivers, and firmware fully optimized and tested for your ProLiant server and options.
	Survey Utility and diagnostics utilities	The most advanced configuration analysis, reporting and troubleshooting utilities used by HP and at your fingertips.
	Optional ProLiant Essentials Value Packs	Optional software offerings that selectively extend the functionality of an Adaptive Infrastructure to address specific business problems and needs:

- Rapid Deployment Pack - an automated solution for multi-server deployment and provisioning, enabling companies to quickly and easily adapt to changing business demands.
- Workload Management Pack - provides easier management of complex environments, improving overall server utilization and enabling Windows® 2000 customers for the first time to confidently deploy multiple applications on a single multiprocessor ProLiant Server.
- Integrated Lights-Out Advanced Pack - upgrades the Integrated Lights-Out processor to full virtual presence and control with graphical console and virtual media.
- Recovery Server Option Pack - entry-level high availability software that will provide reliable protection and increased uptime against server hardware and operating system failures.
- Performance Management Pack - a performance management solution that identifies and explains hardware performance bottlenecks on ProLiant servers and attached options enabling users to better utilize their valuable resources.

NOTE: Flexible and volume quantity license kits are available for ProLiant Essentials Value Packs. Refer to http://www.hp.com/servers/proliantessentials or the various ProLiant Essentials Value Pack product QuickSpecs for more information.
NOTE: For more information regarding ProLiant Essentials Software, please see the following URL: http://www.hp.com/servers/proliantessentials
NOTE: These Web sites are available in English only.

Standard Features

Industry Standard Compliance	ACPI 1.0b Compliant PCI 2.2 Compliant Microsoft® Logo certifications

Manageability	Integrated Lights-Out (iLO)* Virtual Text Remote Console Virtual Power Button Control Dedicated LAN Connectivity Automatic IP Configuration via DHCP/DNS/WINS Industry Standard 128-bit Secure Sockets Layer (SSL) Security IML and iLO Event Logging Support for up to 12 user accounts with customizable access privileges Automatic Server Recovery (ASR) Integrated Lights-Out Management Insight Manager 7 Management Agents Redundant ROM Remote ROM Flash Integrated Management Log Drive Parameter Tracking (with Smart Array Controllers) Dynamic Sector Repairing (with Smart Array Controllers) Hot Spare Boot (NOTE: Upon the event of a failed processor or VRM in a multi-processing environment, the system will automatically reboot and use the remaining good processor(s).) Pre-Failure Warranty (covers processors, hard drives and memory) *Advanced features such as Graphical Remote Console and Virtual Floppy available as a separate option

Security	Power-on password Keyboard password Diskette drive control Diskette boot control QuickLock, Network Server Mode Removable CD/Floppy Drive Assembly Serial interface control Administrator's password Disk configuration lock Integrated Lights-Out has 12 customizable user accounts and SSL encryption Integrated Lights-Out can be disabled via a Global Setting

Server Power Cords	High line cord ships standard with all skus, an additional low line cord for US and Japan

Power Supply	325W Optional (1+ 1 redundant) power supply; one PCI-X slot available when redundant power supply is installed NOTE: PN 293703-B21 contains the optional power supply and an IEC power cable only; purchase if connecting to PDU/UPS that supports IEC cables. PN 293703-001 contains a country-specific low line (NEMA) power cord only.

System Fans	7 fan ships standard

Required Cabling	For required cabling information, refer to the Web site at http://h18000.www1.hp.com/products/servers/proliantdl360/. NOTE: This Web site is available in English only.

QuickSpecs

Standard Features

OS Support

Microsoft Windows NT® Server
Microsoft Windows 2000
Windows Server 2003
Novell NetWare
Linux (Red Hat, SuSE)

NOTE: For a more complete and up-to-date listing of supported OSs and versions, please visit our OS Support Matrix page at: ftp://ftp.compaq.com/pub/products/servers/os-support-matrix-310.pdf.
NOTE: For a listing of the latest drivers available for the ProLiant DL360, please see: http://h18023.www1.hp.com/support/files/server/us/index.html.
NOTE: For a more complete and up-to-date information on Linux support, please visit HP Linux Web site at http://h18000.www1.hp.com/products/servers/linux/hpLinuxcert.html
NOTE: These Web sites are available in English only.

Rack Airflow Requirements

- Rack 9000 and 10000 series Cabinets
  The increasing power of new high-performance processor technology requires increased cooling efficiency for rack-mounted servers. The 9000 and 10000 Series Racks provide enhanced airflow for maximum cooling, allowing these racks to be fully loaded with servers using the latest processors.

- Rack 7000 series Cabinets
  When installing a server with processors running at speeds of 550 MHz or greater in Rack 7000 series racks with glass doors (165753-001 (42U), and 163747-001 (22U)), the new processor technology requires the installation of High Airflow Rack Door Inserts 327281-B21 (42U), 327281-B22 (42U 6 pack), or 157847-B21 (22U)) to promote enhanced airflow for maximum cooling.

CAUTION: If a third-party rack is used, observe the following additional requirements to ensure adequate airflow and to prevent damage to the equipment:

  ○ Front and rear doors: If your 42U server rack includes closing front and rear doors, you must allow 830 square inches (5,350 sq cm) of hole evenly distributed from top to bottom to permit adequate airflow (equivalent to the required 64 percent open area for ventilation).
  ○ Side: The clearance between the installed rack component and the side panels of the rack must be a minimum of 2.75 inches (7 cm).

CAUTION: Always use blanking panels to fill all remaining empty front panel U-spaces in the rack. This arrangement ensures proper airflow. Using a rack without blanking panels results in improper cooling that can lead to thermal damage.
NOTE: For additional information, refer to the Setup and Installation Guide or the Documentation CD provided with the server, or to the server documentation located in the Support section at the following URL: http://h18000.www1.hp.com/products/servers/proliantdl360/index.html.
NOTE: This Web site is available in English only.

QuickSpecs

Standard Features

Service and Support
HP Services provides a three-year, limited warranty, including Pre-Failure Warranty (coverage of hard drives, memory and processors) fully supported by a worldwide network of resellers and service providers. HP technical assistance is available 7 x 24, toll free in the United States and Canada. Telephone support services may be covered under warranty or available for an additional fee.

NOTE: Limited Warranty includes 3 year Parts, 3 year Labor, 3-year on-site support.

A full range of HP Care Pack packaged hardware and software services:

- Installation and start up
- Extended coverage hours and enhanced response times
- System management and performance services
- Availability and recovery services

NOTE: For more information, customer/resellers can contact http://www.hp.com/services/carepack.

Please see the following URL regarding Warranty Information For Your HP Products:
http://h18004.www1.hp.com/products/servers/platforms/warranty/index.html

For additional information regarding Worldwide Limited Warranty and Technical Support, please see the following URL:
ftp://ftp.compaq.com/pub/supportinformation/ejourney/176738.pdf.
NOTE: These Web sites are available in English only.

NOTE: Certain restrictions and exclusions apply. Consult the Customer Support Center at 1-800-345-1518 for details.

Models

DL360R03 X3.06- 1MB/533, 1024MB *337054-xx1*	**Processor**	(1) Intel Xeon Processor 3.06-GHz/533MHz standard (up to 2 supported)
	Cache Memory	1-MB level 3 cache
	Memory	1024-MB (Standard) to 8-GB (Maximum) of 2-way interleaved PC2100 DDR SDRAM running at 266MHz
	Network Controller	Two NC7781 PCI-X Gigabit NIC
	Storage Controller	Smart Array 5i plus Controller (integrated on system board) **NOTE:** The ProLiant DL360 Generation 3 (G3) does not offer an external SCSI port.
	Hard Drives	None ship standard; system supports up to two 1" hot plug U320 drives **NOTE:** The DL360 G3 only supports U320 Universal Hot Plug drives.
	Remote Management	Integrated Lights-Out (iLO) embedded
	Optical Drive	24x IDE CD-ROM Drive (Low-profile)
	PCI-X Slots	2 full length 64bit/100MHz PCI-X slots
	Form Factor	Rack (1U), (1.75 in/4.45 cm)

DL360R03 X3.06- 512KB/533, 512MB *322470-xx1*	**Processor**	(1) Intel Xeon Processor 3.06-GHz/533MHz standard (up to 2 supported)
	Cache Memory	512-KB level 2 cache
	Memory	512-MB (Standard) to 8-GB (Maximum) of 2-way interleaved PC2100 DDR SDRAM running at 266MHz
	Network Controller	Two NC7781 PCI-X Gigabit NIC
	Storage Controller	Smart Array 5i plus Controller (integrated on system board) **NOTE:** The ProLiant DL360 Generation 3 (G3) does not offer an external SCSI port.
	Hard Drives	None ship standard; system supports up to two 1" hot plug U320 drives **NOTE:** The DL360 G3 only supports U320 Universal Hot Plug drives.
	Remote Management	Integrated Lights-Out (iLO) embedded
	Optical Drive	24x IDE CD-ROM Drive (Low-profile)
	PCI-X Slots	2 full length 64bit/100MHz PCI-X slots
	Form Factor	Rack (1U), (1.75 in/4.45 cm)

DL360R03 X3.06- 512KB/533, 1024MB *322471-xx1*	**Processor**	(1) Intel Xeon Processor 3.06-GHz/533MHz standard (up to 2 supported)
	Cache Memory	512-KB level 2 ECC cache
	Memory	1024-MB (Standard) to 8-GB (Maximum) of 2-way interleaved PC2100 DDR SDRAM running at 266MHz
	Network Controller	Two NC7781 PCI-X Gigabit NIC
	Storage Controller	Smart Array 5i plus Controller (integrated on system board) **NOTE:** The ProLiant DL360 Generation 3 (G3) does not offer an external SCSI port.
	Hard Drives	None ship standard; system supports up to two 1" hot plug U320 drives **NOTE:** The DL360 G3 only supports U320 Universal Hot Plug drives.
	Remote Management	Integrated Lights-Out (iLO) embedded
	Power Supplies	Redundant 325W Hot Plug Power Supplies (1+ 1 redundancy)
	Optical Drive	24x IDE CD-ROM Drive (Low-profile)
	PCI-X Slots	1 full length 64bit/100MHz PCI-X slots
	Form Factor	Rack (1U), (1.75 in/4.45 cm)

Models

DL360R03 X2.8-512KB/533, 512MB
292889-xx1

Processor	(1) Intel Xeon Processor 2.8-GHz/533MHz standard (up to 2 supported)
Cache Memory	512-KB level 2 cache
Memory	512-MB (Standard) to 8-GB (Maximum) of 2-way interleaved PC2100 DDR SDRAM running at 266MHz
Network Controller	Two NC7781 PCI-X Gigabit NIC
Storage Controller	Smart Array 5i plus Controller (integrated on system board) **NOTE:** The ProLiant DL360 Generation 3 (G3) does not offer an external SCSI port.
Hard Drives	None ship standard; system supports up to two 1" hot plug U320 drives **NOTE:** The DL360 G3 only supports U320 Universal Hot Plug drives.
Remote Management	Integrated Lights-Out (iLO) embedded
Optical Drive	24x IDE CD-ROM Drive (Low-profile)
PCI-X Slots	2 full length 64bit/100MHz PCI-X slots
Form Factor	Rack (1U), (1.75 in/4.45 cm)

DL360R03 X2.8-512KB/533, 1024MB
308724-xx1

Processor	(1) Intel Xeon Processor 2.8-GHz/533MHz standard (up to 2 supported)
Cache Memory	512-KB level 2 ECC cache
Memory	1024-MB (Standard) to 8-GB (Maximum) of 2-way interleaved capable PC2100 DDR SDRAM running at 266MHz
Network Controller	Two NC7781 PCI-X Gigabit NIC
Storage Controller	Smart Array 5i plus Controller (integrated on system board) **NOTE:** The ProLiant DL360 Generation 3 (G3) does not offer an external SCSI port.
Hard Drives	None ship standard; system supports up to two 1" hot plug U320 drives **NOTE:** The DL360 G3 only supports U320 Universal Hot Plug drives.
Remote Management	Integrated Lights-Out (iLO) embedded
Power Supplies	Redundant 325W Hot Plug Power Supplies (1+1 redundancy)
Optical Drive	24x IDE CD-ROM Drive (Low-profile)
PCI-X Slots	1 full length 64bit/100MHz PCI-X slots
Form Factor	Rack (1U), (1.75 in/4.45 cm)

DL360R03 X2.4-512KB/533, 512MB
292887-xx1

Processor	(1) Intel Xeon Processor 2.4-GHz/533MHz standard (up to 2 supported)
Cache Memory	512-KB level 2 cache
Memory	512-MB (Standard) to 8-GB (Maximum) of 2-way interleaved PC2100 DDR SDRAM running at 266MHz
Network Controller	Two NC7781 PCI-X Gigabit NIC
Storage Controller	Smart Array 5i plus Controller (integrated on system board) **NOTE:** The ProLiant DL360 Generation 3 (G3) does not offer an external SCSI port.
Hard Drives	None ship standard; system supports up to two 1" hot plug U320 drives **NOTE:** The DL360 G3 only supports U320 Universal Hot Plug drives.
Remote Management	Integrated Lights-Out (iLO) embedded
Optical Drive	24x IDE CD-ROM Drive (Low-profile)
PCI-X Slots	2 full length 64bit/100MHz PCI-X slots
Form Factor	Rack (1U), (1.75 in/4.45 cm)

Models

Country Code Key		Rack Code Key
	XX=00	US
	XX=29	Japan
	XX=37	APD
	XX=42	EURO
	XX=AA	PRC

QuickSpecs

Options

ProLiant DL360 G3 Unique Options	Intel Xeon 3.06GHz/533MHz -1MB L3 Processor Option Kit NOTE: This processor option kit (PN 337056-B21) supports the ProLiant DL360 G3 only.	337056-B21
	Intel Xeon 3.06GHz/533MHz-512KB Processor Option Kit NOTE: This processor option kit (PN 322472-B21) supports the ProLiant DL360 G3 only.	322472-B21
	Intel Xeon 2.80 GHz/533MHz-512KB Processor Option Kit NOTE: This processor option kit (PN 292892-B21) supports the ProLiant DL360 G3 only.	292892-B21
	Intel Xeon 2.40 GHz/533MHz-512KB Processor Option Kit NOTE: This processor option kit (PN 292891-B21) supports the ProLiant DL360 G3 only.	292891-B21
	DL360 G2/G3 Universal sliding rail kit	303341-B21
	DL360 G3 DC Power Supply with DC power cord	293704-B21
	325W HP redundant power supply with IEC cord only NOTE: The HP ProLiant DL360 G3 ships with an IEC-IEC power cord used for rack mounting with Power Distribution Units (PDUs). For stand-alone deployments or installation without a rack, country-specific power cord options are available. U.S., Japan, & APD models ship with two power cords: IEC-IEC and country-specific cords.	293703-B21
	325W HP redundant power supply with US or Japanese NEMA cord only NOTE: The HP ProLiant DL360 G3 ships with an IEC-IEC power cord used for rack mounting with Power Distribution Units (PDUs). For stand-alone deployments or installation without a rack, country-specific power cord options are available. U.S., Japan, & APD models ship with two power cords: IEC-IEC and country-specific cords.	293703-001
ProLiant Essentials Value Pack Software	Rapid Deployment Pack, 1 User, V1.x NOTE: This license allows 1 server to be managed and deployed via the Deployment Server.	267196-B21
	Rapid Deployment Pack, 1 User, V1.x (Japan) NOTE: This license allows 1 server to be managed and deployed via the Deployment Server.	267196-291
	Rapid Deployment Pack, 10 Users, V1.x NOTE: This license allows 10 servers to be managed and deployed via the Deployment Server.	269817-B21
	Rapid Deployment Pack, 10 Users, V1.x (Japan) NOTE: TThis license allows 10 servers to be managed and deployed via the Deployment Server.	269817-291
	ProLiant Essentials Workload Management Pack (Featuring Resource Partitioning Manager version 2.0)	303284-B21
	Flexible Quantity License Kit	302127-B21
	License-Only - for use with a Master License Agreement	302128-B21
	ProLiant Essentials Integrated Lights-Out Advanced Pack (Featuring: sophisticated virtual administration features for ultimate control of servers in the data centers and remote sites)	263825-B21
	ProLiant Essentials Recovery Server Option Pack	280189-B21
	ProLiant Essentials Performance Management Pack v2.0, Single License	306696-B21
	NOTE: Flexible and volume quantity license kits are available for ProLiant Essentials Value Packs. Refer to http://www.hp.com/servers/proliantessentials or the various ProLiant Essentials Value Pack product QuickSpecs for more information. NOTE: For more information regarding ProLiant Essentials Software, please see the following URL: http://www.hp.com/servers/proliantessentials. NOTE: These Web sites are available in English only.	
Software	HP digital asset protection	302316-001

Options

Processor	Intel Xeon 3.06GHz/533MHz-1MB Processor Option Kit	337056-B21
	NOTE: This processor option kit (PN 337056-B21) supports the ProLiant DL360 G3 only.	
	Intel Xeon 3.06GHz/533MHz-512KB Processor Option Kit	322472-B21
	NOTE: This processor option kit (PN 322472-B21) supports the ProLiant DL360 G3 only.	
	Intel Xeon 2.80 GHz-512KB/533MHz Processor Option Kit	292892-B21
	NOTE: This processor option kit (PN 292892-B21) supports the ProLiant DL360 G3 only.	
	Intel Xeon 2.40 GHz-512KB/533MHz Processor Option Kit	292891-B21
	NOTE: This processor option kit (PN 292891-B21) supports the ProLiant DL360 G3 only.	

Memory (DIMMs)	512MB of Advanced ECC PC2100 DDR SDRAM DIMM Memory Kit (2 x 256 MB)	300678-B21
	1024MB of Advanced ECC PC2100 DDR SDRAM DIMM Memory Kit (2 x 512 MB)	300679-B21
	2048-MB of Advanced ECC PC2100 DDR SDRAM DIMM Memory Kit (2x1024 MB)	300680-B21
	4096-MB of Advanced ECC PC2100 DDR SDRAM DIMM Memory Kit (2x2048 MB)	300682-B21

Optical Drives	Slimline CD-RW/DVD-ROM 24X Combo Drive Option Kit	331903-B21

Hard Drives

Wide Ultra320 – Universal Hot Plug
NOTE: The DL360 G3 only supports U320 Universal Hot Plug drives.

	146.8-GB 10,000 rpm U320 Universal Hard Drive (1")	286716-B22
	72.8-GB 10,000 rpm U320 Universal Hard Drive (1")	286714-B22
	36.4-GB 10,000 rpm U320 Universal Hard Drive (1")	286713-B22
	72.8-GB 15,000 rpm U320 Universal Hard Drive (1")	286778-B22
	36.4-GB 15,000 rpm U320 Universal Hard Drive (1")	286776-B22
	18.2-GB 15,000 rpm U320 Universal Hard Drive (1")	286775-B22

NOTE: Please see the Hard Drive QuickSpecs for Technical Specifications such as capacity, height, width, interface, transfer rate, seek time, physical configuration, and operating temperature:
U320 Hard Drive QS:
http://h18000.www1.hp.com/products/quickspecs/11531_div/11531_div.HTML (Worldwide)
http://h18000.www1.hp.com/products/quickspecs/11531_na/11531_na.HTML (North America)

Storage Controllers	Battery Backed Write Cache Enabler Option Kit	255514-B21
	Battery Backed Write Cache Enabler Option Kit (Japan)	255514-291
	Smart Array 532 Controller	225338-B21
	NOTE: For support of external drives.	
	Smart Array 532 Controller (Japan)	225338-291
	NOTE: For support of external drives.	
	Smart Array 5302/128 Controller	283552-B21
	NOTE: For support of external drives.	
	Smart Array 5302/128 Controller (Japan)	283552-291
	NOTE: For support of external drives.	
	Smart Array 5304/256 Controller	283551-B21
	NOTE: For support of external drives.	
	Smart Array 5304/256 Controller (Japan)	283551-291
	NOTE: For support of external drives.	
	Smart Array 6402/128 Controller	273915-B21
	NOTE: For support of external drives only.	
	Smart Array 5312 Controller	238633-B21
	NOTE: For support of external drives only.	
	Smart Array 5312 Controller (Japan)	238633-B21
	NOTE: For support of external drives only.	

Options

	Smart Array 641 Controller	291966-B21
	NOTE: For support of external drives only.	
	Smart Array 642 Controller	291967-B21
	NOTE: For support of external drives only.	
	Ultra3 Channel Expansion Module for Smart Array 5300 Controller	153507-B21
	128-MB Cache Module for Smart Array 5302 Controller	153506-B21
	Advanced Data Guarding Module for Smart Array 5302 Controller	199371-B21
	RAID ADG Upgrade for Smart Array 5302	288601-B21
	256-MB Battery-Backed Cache Module	254786-B21
	NOTE: This 256-MB Battery-Backed Cache Module supports the Smart Array 5300 series controllers, MSA 1000 and the Smart Array Cluster Storage .	
	256MB Cache Upgrade for SA-6402	273913-B21
	NOTE: This 256-MB Battery-Backed Cache Module upgrade kit supports the Smart Array 6400 series controller only.	
	64 MB Battery Backed Write Cache Enabler	291969-B21
	NOTE: This 64 MB BBWC supports the Smart Array 641 Controller and Smart Array 642 Controller.	
	Dual Channel Fibre Channel PCI Host Bus Adapter for Windows	308540-B21
	NOTE: For support of external drives only.	
	64-Bit/133-MHz Dual Channel Ultra320 SCSI Adapter	268351-B21
	NOTE: For support of external drives only.	
	64-Bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter, Alternate OS	284688-B21
	NOTE: For support of external drives only.	

NOTE: Please see the following Controller or SCSI Adapter QuickSpecs for Technical Specifications such as PCI Bus, PCI Peak Data Transfer Rate, SCSI Protocols supported, SCSI Peak Data Transfer Rate, Channels, SCSI Ports, Drives supported, Cache, RAID support, and additional information:
http://h18000.www1.hp.com/products/quickspecs/10851_div/10851_div.HTML (Smart Array 532)
http://h18000.www1.hp.com/products/quickspecs/10640_div/10640_div.HTML (Smart Array 5300 Series)
http://h18000.www1.hp.com/products/quickspecs/11328_div/11328_div.HTML (Smart Array 5312)
http://h18000.www1.hp.com/products/quickspecs/11587_div/11587_div.HTML (Smart Array 6402)
http://h18000.www1.hp.com/products/quickspecs/11563_div/11563_div.HTML (Smart Array 641)
http://h18000.www1.hp.com/products/quickspecs/11563_div/11563_div.HTML (Smart Array 642)
http://h18000.www1.hp.com/products/quickspecs/10429_div/10429_div.HTML (SCSI Adapter)
http://h18000.www1.hp.com/products/quickspecs/11555_div/11555_div.HTML (U320 Adapter)

Communications	NC3134 Fast Ethernet NIC 64 PCI Dual Port 10/100	138603-B21
	NC3135 Fast Ethernet Module Dual 10/100 Upgrade Module for NC3134	138604-B21
	NC6132 Gigabit Module 1000 SX Upgrade Module for NC3134	338456-B23
	NC6170 Dual Port PCI-X 1000SX Gigabit Server Adapter	313879-B21
	NC6770 PCI-X Gigabit Server Adapter, 1000-SX	244949-B21
	NC7132 10/100/1000-T Upgrade Module for NC3134	153543-B21
	NC7170 Dual Port PCI-X 1000T Gigabit Server Adapter	313881-B21
	NC7770 PCI-X Gigabit Server Adapter	244948-B21
	NOTE: The ProLiant DL360 G3 does not support 64-Bit/133-MHz PCI-X bus speeds and will run at 64-Bit/100-MHz.	

Management Options	Remote Insight Lights-Out Edition II (NA, LA)	227251-001
	Remote Insight Lights-Out Edition II (EMEA)	227251-021
	Remote Insight Lights-Out Edition II (ROW)	227251-371

QuickSpecs

Options

| **Security** | HP/Atalla AXL600L SSL Accelerator Card for ProLiant Servers | 524545-B21 |
| | Compaq AXL300 Accelerator PCI Card (HW SSL Encryption) for ProLiant Servers | 227933-B21 |

Options

Monitors

Essential Series

Compaq S9500 CRT Monitor (19-inch, Carbon/Silver)	261615-XXX
Compaq S7500 CRT Monitor (17-inch, Carbon/Silver)	261606-XXX
Compaq S5500 CRT Monitor (15-inch Carbon/Silver)	261602-XXX
Compaq TFT1501 Flat Panel Monitor (15-inch, Carbon/Silver, North America)	301042-003
Compaq TFT1501 Flat Panel Monitor (15-inch, Carbon/Silver, Outside North America)	P4825D-XXX
Compaq TFT1701 Flat Panel Monitor (17-inch, Carbon/Silver, North America)	292847-003
Compaq TFT1701 Flat Panel Monitor (17-inch, Carbon/Silver, Outside North America)	P9019A-XXX

Advantage Series

Compaq V7550 CRT Color Monitor *(17-inch, Carbon/Silver)*	261611-XXX
Compaq TFT1720 Flat Panel Monitor (17-inch, Carbon/Silver, North America)	295926-003
Compaq TFT1720 Flat Panel Monitor (17-inch, Carbon/Silver, outside North America)	D5064D-XXX
Compaq FT1720M Flat Panel Monitor (17-inch, Carbon/Silver, includes speaker, USB port, headphone, North America)	301958-003
Compaq TFT1720M Flat Panel Monitor (17-inch, Carbon/Silver, includes speaker, USB port, headphone, outside North America)	D5064P-XXX
Compaq TFT1520 Flat Panel Monitor (15-inch, Carbon/Silver, North America)	295925-003
Compaq TFT1520 Flat Panel Monitor (15-inch, Carbon/Silver, outside North America)	D5063D-XXX
Compaq TFT1520M Flat Panel Monitor (15-inch, Carbon/Silver includes speaker, USB port, headphone, North America)	301957-003
Compaq TFT1520M Flat Panel Monitor (15-inch, Carbon/Silver includes speaker, USB port, headphone, outside North America)	D5063P-XXX

Performance Series

HP P930 CRT Monitor (19-inch, Flat-screen, Carbon/Silver, North America)	302268-003
HP P930 CRT Monitor (19-inch, Flat-screen, Carbon/Silver, Outside North America)	P909W-XXX
HP P1130 CRT Monitor (21-inch, Flat-screen, Carbon/Silver, North America)	302270-003
HP P1130 CRT Monitor (21-inch, Flat-screen, Carbon/Silver, Outside North America)	P4819-XXX
HP L1825 Flat Panel Monitor (18-inch, Carbon/Silver, North America)	303486-003
HP L1825 Flat Panel Monitor (18-inch, Carbon/Silver, Outside North America)	P9021W-XXX
HP L2025 Flat Panel Monitor (20-inch, Carbon/Silver, North America)	303102-003
HP L2025 Flat Panel Monitor (20-inch, Carbon/Silver, Outside North America)	P4831W-XXX
Compaq TFT1825 Flat Panel Monitor (18-inch, Carbon/Silver, North America)	296751-003
Compaq TFT1825 Flat Panel Monitor (18-inch, Carbon/Silver, Outside North America)	P9021A-XXX
Compaq TFT2025 Flat Panel Monitor (20-inch, Carbon/Silver, North America)	285550-003
Compaq TFT2025 Flat Panel Monitor (20-inch, Carbon/Silver, Outside North America)	P4831D-XXX

Options

Tape Drives

External DAT Tape Drives

HP StorageWorks 20/40-GB DAT DDS-4 Tape Drive, External (Carbon) (NA)	157770-002
HP StorageWorks 20/40-GB DAT DDS-4 Tape Drive, External (Int'l) (Carbon)	157770-B32
HP StorageWorks 20/40-GB DAT DDS-4 Tape Drive, External (Japan)(Carbon)	157770-292

NOTE: Please see the 20/40-GB DAT Tape Drive QuickSpecs for additional options such as host bus adapters, controllers, cassettes, and for an up-to-date listing of the latest O/S Support details, please see the following:
http://h18000.www1.hp.com/products/quickspecs/10426_div/10426_div.HTML (Worldwide)
http://h18000.www1.hp.com/products/quickspecs/10426_na/10426_na.HTML (North America)

Internal and External DAT 72 Tape Backup Drive

HP StorageWorks DAT 72e External (US) (Carbon)	Q1527A
HP StorageWorks DAT 72e External (International) (Carbon)	Q1528A

NOTE: Please see the DAT 72 Tape Drive QuickSpecs for additional options such as host bus adapters, controllers, cassettes, and for an up-to-date listing of the latest O/S Support details:
http://h18000.www1.hp.com/products/quickspecs/11597_div/11597_div.HTML (Worldwide)
http://h18000.www1.hp.com/products/quickspecs/11597_na/11597_na.HTML (North America)

External AIT Tape Drives

HP StorageWorks External AIT 35-GB, LVD Tape Drive (Carbon)	216885-001
HP StorageWorks External AIT 35-GB, LVD Tape Drive (Carbon) (Int'l)	216885-B31
HP StorageWorks External AIT 35-GB, LVD Tape Drive (Carbon) (Japan)	216885-291

NOTE: Please see the AIT 35 GB, LVD Tape Drive QuickSpecs for additional options such as adapters, controllers, and cassettes, and for an up-to-date listing of the latest O/S Support details, please see the following:
http://h18006.www1.hp.com/products/quickspecs/10712_div/10712_div.html (Worldwide)
http://h18006.www1.hp.com/products/quickspecs/10712_na/10712_na.html (North America)

HP StorageWorks AIT 50-GB Tape Drive, External (Carbon) (NA)	157767-002
HP StorageWorks AIT 50-GB Tape Drive, External (Int'l) (Carbon)	157767-B32
HP StorageWorks AIT 50-GB Tape Drive, External (Japan) (Carbon)	157767-292
HP StorageWorks AIT 50GB Tape Drive, 3U Rackmount	274333-B21

NOTE: Please see the AIT 50-GB Tape Drive QuickSpecs for additional options such as adapters, controllers, and cassettes, and for an up-to-date listing of the latest O/S Support details, please see the following:
http://h18006.www1.hp.com/products/quickspecs/10425_div/10425_div.html (Worldwide)
http://h18006.www1.hp.com/products/quickspecs/10425_na/10425_na.html (North America)

HP StorageWorks External AIT 100-GB Tape Drive (Carbon)	249160-001
HP StorageWorks External AIT 100-GB Tape Drive (Carbon) (Int'l)	249160-B31

NOTE: Please see the AIT 100-GB Tape Drive QuickSpecs for additional options such as adapters, controllers, and cassettes, and for an up-to-date listing of the latest O/S Support details, please see the following:
http://h18006.www1.hp.com/products/quickspecs/11062_div/11062_div.html (Worldwide)
http://h18006.www1.hp.com/products/quickspecs/11062_na/11062_na.html (North America)

External DLT Tape Drives

HP StorageWorks 40/80-GB DLT Tape Drive, External (Carbon) INTL	146197-B23
HP StorageWorks 40/80-GB DLT Tape Drive, External (Carbon) (Japan)	146197-293
HP StorageWorks Rackmount DLT 40/80, 3U (Single Drive)	274332-B21
HP StorageWorks Rackmount DLT 40/80, Dual Drive 3U (Two Drives)	274335-B21
HP StorageWorks Rackmount DLT 40/80, Tape Array III, 5U (Four Drives)	274337-B21

NOTE: Please see the 40/80-GB DLT Drive QuickSpecs for additional options such as host bus adapters, controllers, cassettes, and for an up-to-date listing of the latest O/S Support details, please see the following:
http://h18006.www1.hp.com/products/quickspecs/10658_div/10658_div.html (Worldwide)
http://h18006.www1.hp.com/products/quickspecs/10658_na/10658_na.html (North America)

Options

External DLT VS Tape Drives

HP StorageWorks DLT VS 40/80 Tape Drive, External (Carbon) NA	280129-B22
HP StorageWorks DLT VS 40/80 Tape Drive, External (Carbon) INTL	280129-B31
HP StorageWorks DLT VS 40/80 Tape Drive, External (Carbon) Japan	280129-291

NOTE: Please see the DLT VS 40/80 Tape Drive QuickSpecs for additional options such as host bus adapters, controllers, cassettes, and for an up-to-date listing of the latest O/S Support details, please see the following:
http://h18000.www1.hp.com/products/quickspecs/11403_div/11403_div.HTML (Worldwide)
http://h18000.www1.hp.com/products/quickspecs/11403_na/11403_na.HTML (North America)

External SDLT Tape Drives

HP StorageWorks SDLT 110/220, External NA (carbon)	192103-002
HP StorageWorks SDLT 110/220, External INTL (carbon)	192103-B32
HP StorageWorks SDLT 110/220, External Japan (carbon)	192103-292

NOTE: Please see the SDLT 110/220-GB Tape Drive QuickSpecs for additional options such as adapters, controllers, and media, and for an up-to-date listing of the latest O/S Support details, please see the following:
http://h18000.www1.hp.com/products/quickspecs/10772_div/10772_div.HTML (Worldwide)
http://h18000.www1.hp.com/products/quickspecs/10772_na/10772_na.HTML (North America)

HP StorageWorks SDLT 160/320, External NA (carbon)	257319-001
HP StorageWorks SDLT 160/320, External INTL (carbon)	257319-B31
HP StorageWorks SDLT 160/320, External Japan (carbon)	257319-291

NOTE: Please see the SDLT 160/320-GB Tape Drive QuickSpecs for additional options such as adapters, controllers, and media, and for an up-to-date listing of the latest O/S Support details, please see the following:
http://h18000.www1.hp.com/products/quickspecs/11406_div/11406_div.HTML (Worldwide)
http://h18000.www1.hp.com/products/quickspecs/11406_na/11406_na.HTML (North America)

HP StorageWorks Rackmount SDLT 110/220, 3U (Single Drive)	274331-B21
HP StorageWorks Rackmount SDLT 110/220, Dual-Drive, 3U (Two Drives)	274334-B21
HP StorageWorks Rackmount SDLT 110/220, Tape Array III, 5U (Four Drives)	274336-B21

NOTE: Please see the SDLT 110/220-GB Tape Drive QuickSpecs for additional options such as adapters, controllers, and media, and for an up-to-date listing of the latest O/S Support details, please see the following:
http://h18000.www1.hp.com/products/quickspecs/10772_div/10772_div.HTML (Worldwide)
http://h18000.www1.hp.com/products/quickspecs/10772_na/10772_na.HTML (North America)

External Ultrium Tape Drives

HP StorageWorks Ultrium 215 Tape Drive for ProLiant, External (Carbon) NA	Q1544A
HP StorageWorks Ultrium 215 Tape Drive for ProLiant, External (Carbon) Int'l	Q1545A
HP StorageWorks Ultrium 230 Tape Drive, External (Carbon) NA	Q1516A
HP StorageWorks Ultrium 230 Tape Drive, External (Carbon) Int'l	Q1517A
HP StorageWorks Ultrium 460 Tape Drive for ProLiant, External (Carbon) NA	Q1519A
HP StorageWorks Ultrium 460 Tape Drive for ProLiant, External (Carbon) Int'l	Q1520A

NOTE: Please see the HP StorageWorks Ultrium 215, 230, and 460 Tape Drive QuickSpecs for additional options such as controllers, and other related items, and for an up-to-date listing of the latest O/S Support details, please see the following:
http://h18006.www1.hp.com/products/quickspecs/11739_div/11739_div.html (Worldwide)
http://h18006.www1.hp.com/products/quickspecs/11739_na/11739_na.html (North America)

Options

AIT Autoloader

HP StorageWorks AIT 35 GB Autoloader, Rackmount (Carbon) (NA)	280349-001
HP StorageWorks AIT 35 GB Autoloader, Rackmount (Carbon) (Int'l)	280349-B31

NOTE: Please see the AIT 35-GB Autoloader QuickSpecs for additional options such as adapters, controllers, and cassettes, and for an up-to-date listing of the latest O/S Support details, please see the following:
http://h18000.www1.hp.com/products/quickspecs/11404_div/11404_div.HTML (Worldwide)
http://h18000.www1.hp.com/products/quickspecs/11404_na/11404_na.HTML (North America)

1/8 Autoloader

HP StorageWorks 1/8 Autoloader, Rackmount kit	C9268R
HP StorageWorks 1/8 Autoloader, Ultrium 230	C9572CB
HP StorageWorks 1/8 Autoloader, DLT VS80	C9264CB

Rackmount Tape Drive Kits

3U Rackmount Kit	274338-B21

NOTE: The 3U Rackmount Kit (PN 274338-B21) can support up to (2) full-height or (4) half-height tape drives and compatible with multiple internal Single-Ended and LVD SCSI Tape Drives including the 12/24-GB DAT, 20/40-GB DAT, 20/40-GB DAT DDS-4 8 Cassette Autoloader, AIT 35-GB LVD, AIT 50 GB, AIT 100 GB, 20/40-GB DLT, 40/80-GB DLT, SDLT 110/220-GB, SDLT 160/320-GB, Ultrium 230, and Ultrium 460 Tape Drives.

5U Rackmount Kit	274339-B21

NOTE: The 5U Rackmount Kit (PN 274339-B21) can support up to (4) full-height tape drives and is compatible with all HP internal DLT/SDLT/Ultrium tape drives including the 20/40-GB DLT, 35/70-GB DLT, 40/80-GB DLT, SDLT 110/220-GB, SDLT 160/320, Ultrium 230, and Ultrium 460 tape drives.

NOTE: Please see the Rackmount Tape Drive Kits QuickSpecs for additional information regarding these kits, please see the following:
http://h18006.www1.hp.com/products/quickspecs/10854_div/10854_div.html (Worldwide)
http://h18006.www1.hp.com/products/quickspecs/10854_na/10854_na.html (North America)

Rackmount Tape Drive Cable Kits

LVD Cable Kit, VHDCI/HD68	168048-B21

NOTE: For use with the 3U RM Storage Enclosure and DLT Tape Array III only.

LVD Cable Kit, HD68/HD68	242381-B21

NOTE: For use with the 3U RM Storage Enclosure and DLT Tape Array III only.

Options

Tape Automation

StorageWorks MSL6000 and MSL5000 Departmental tape libraries

MSL6060L1 - LTO Ultrium 1 based departmental library up to 4 drives and 60 slots

MSL6060, 0 DRV, Ultrium 460, RM Library	331196-B23
MSL6060, 2 DRV, Ultrium 460, RM Library	331196-B21
MSL6060, 2 DRV, Ultrium 460, embedded Fibre, RM Library	331196-B22

NOTE: Please see the StorageWorks MSL6060 LTO Library QuickSpecs for additional information including Upgrade Kits, Accessories, and SCSI Cable Kits and additional options needed for a complete solution at:
http://h18000.www1.hp.com/products/quickspecs/11608_na/11608_na.HTML (North America)
http://h18000.www1.hp.com/products/quickspecs/11608_div/11608_div.HTML (Worldwide)

MSL5060L1 - LTO Ultrium 1 based departmental library up to 4 drives and 60 slots

MSL5060, 0 DRV, Ultrium 230, RM Library	301899-B21
MSL5060, 2 DRV, Ultrium 230, RM Library	301899-B22
MSL5060, 2 DRV, Ultrium 230, embedded Fibre, RM Library	301899-B23

NOTE: Please see the StorageWorks MSL5060 LTO Library QuickSpecs for additional information including Upgrade Kits, Accessories, and SCSI Cable Kits and additional options needed for a complete solution at:
http://h18000.www1.hp.com/products/quickspecs/11438_na/11438_na.HTML (North America)
http://h18000.www1.hp.com/products/quickspecs/11438_div/11438_div.HTML (Worldwide)

MSL5052S2 - SDLT160 based departmental library up to 4 drives and 52 slots

MSL5052S2, 0 DRV, SDLT 160/320, RM Library	255102-B21
MSL5052S2, 2 DRV, SDLT 160/320, RM Library	293474-B21
MSL5052S2, 2 DRV, SDLT 160/320, RM Library with embedded FC router option	293474-B24

NOTE: Please see the StorageWorks MSL5052S2 Library QuickSpecs for additional information including Upgrade Kits, Accessories, and SCSI Cable Kits and additional options needed for a complete solution at:
http://h18000.www1.hp.com/products/quickspecs/11442_na/11442_na.HTML (North America)
http://h18000.www1.hp.com/products/quickspecs/11442_div/11442_div.HTML (Worldwide)

MSL6030 - LTO Ultrium 1 based departmental library up to 4 drives and 60 slots

MSL6030, 0 DRV, RM Library	330731-B21
MSL6030, 1 DRV, LTO Ultrium 460, RM Library	330731-B22
MSL6030, 2 DRV, LTO Ultrium 460, RM Library	330731-B23
MSL6030, 1 DRV, LTO Ultrium 460, embedded Fibre, RM Library	330731-B24
MSL 6030, 2 DRV, LTO Ultrium 460, embedded Fibre, RM Library	330731-B25

NOTE: Please see the StorageWorks MSL6030 LTO Library QuickSpecs for additional information including Upgrade Kits, Accessories, and SCSI Cable Kits and additional options needed for a complete solution at:
http://h18000.www1.hp.com/products/quickspecs/11625_na/11625_na.HTML (North America)
http://h18000.www1.hp.com/products/quickspecs/11625_div/11625_div.HTML (Worldwide)

MSL5030L1 - LTO Ultrium 1 mid-range library up to 2 drives and 30 slots

MSL5030, 0 DRV, RM Library	301897-B21
MSL5030, 1 DRV, LTO Ultrium 230, RM Library	301897-B22
MSL5030, 2 DRV, LTO Ultrium 230, RM Library	301897-B23
MSL5030, 1 DRV, LTO Ultrium 230, embedded Fibre, RM Library	301897-B24
MSL 5030, 2 DRV, LTO Ultrium 230, embedded Fibre, RM Library	301897-B25

NOTE: Please see the StorageWorks MSL5030 LTO Library QuickSpecs for additional information including Upgrade Kits, Accessories, and SCSI Cable Kits and additional options needed for a complete solution at:
http://h18000.www1.hp.com/products/quickspecs/11439_na/11439_na.HTML (North America)
http://h18000.www1.hp.com/products/quickspecs/11439_div/11439_div.HTML (Worldwide)

MSL5026S2 - SDLT160 based mid-range library up to 2 drives and 26 slots

MSL5026S2, 0 DRV, RM Library	293472-B21
MSL5026S2, 1 DRV, SDLT 160/320, RM Library	293472-B22
MSL5026S2, 2 DRV, SDLT 160/320, RM Library	293472-B23
MSL5026S2, 1 DRV, SDLT 160/320, RM Library with embedded FC router option	293472-B24
MSL5026S2, 2 DRV, SDLT 160/320, RM Library with embedded FC router option	293472-B25

NOTE: Please see the StorageWorks MSL5026SL Library QuickSpecs for additional information including Upgrade Kits, Accessories, and SCSI Cable Kits and additional options needed for a complete solution at:
http://h18000.www1.hp.com/products/quickspecs/11453_na/11453_na.HTML (North America)
http://h18000.www1.hp.com/products/quickspecs/11453_div/11453_div.HTML (Worldwide)

MSL5026SL Graphite - SDLT110 based mid-range library up to 2 drives and 26 slots

MSL5026SL, 1 DRV SDLT RM, graphite	302512-B21
MSL5026SL, 2 DRV SDLT RM, graphite	302512-B22

NOTE: Please see the StorageWorks MSL5026SL Graphite Library QuickSpecs for additional information including Upgrade Kits, Accessories, and SCSI Cable Kits and additional options needed for a complete solution at:
http://h18000.www1.hp.com/products/quickspecs/11440_na/11440_na.HTML (North America)
http://h18000.www1.hp.com/products/quickspecs/11440_div/11440_div.HTML (Worldwide)

MSL5026SL Opal - SDLT110 based mid-range library up to 2 drives and 26 slots

MSL5026, 0 DR, LVD, RM	231979-B21

MSL5026DLX- 40/80GB DLT based mid-range library up to 2 drives and 26 slots

MSL5026DLX, 1 40/80GB DLT, LVD, RM	231891-B21
MSL5026DLX, 2 40/80GB DLT, LVD, RM	231891-B22

NOTE: Please see the StorageWorks MSL5026DLX Library QuickSpecs for additional information including Upgrade Kits, Accessories, and SCSI Cable Kits and additional options needed for a complete solution at:
http://h18000.www1.hp.com/products/quickspecs/10860_na/10860_na.HTML (North America)
http://h18000.www1.hp.com/products/quickspecs/10860_div/10860_div.HTML (Worldwide)

Options

MSL6000 and MSL5000 Add-on drives & accessories

MSL5000 SDLT 160/320 Upgrade DRV (MSL5052S2 & MSL5026S2 only)	293475-B21
MSL Ultrium 460 upgrade drive in hot plug canister	330729-B21
MSL5000 LTO Ultrium 1 Upgrade DRV (MSL5060L1 & MSL5030L1 only)	301901-B21
MSL5000 SDLT 110/220 Upgrade DRV	231823-B22
MSL5000 40/80GB DLT Upgrade DRV	231823-B21
MSL5000 Dual Magazine LTO (2 X 15 slot magazines)	301902-B21
MSL5000 Dual Magazine DLT (2 X 13 slot magazines)	232136-B21
MSL Universal passthrough mechanism	304825-B21
MSL5026, 5U Pass through extender (required one for each unit connected to the stack, for third and additional units) - for MSL5026 & MSL5030	231824-B22
MSL5052, 10U Pass-Through Extender (required one for each unit connected to the stack, for third and additional units) - for MSL5052 & MSL5060	231824-B23

StorageWorks SSL2000 small system library

SSL2020 - AIT50 based library with up to 2 drives and 20 slots

SSL2020 AIT Mini-Library 1 drive, 20 slot Table Top	175195-B21
SSL2020 AIT Mini-Library 2 drive, 20 slot Table Top	175195-B22
SSL2020 AIT Mini-Library 1 drive, 20 slot Rackmount	175196-B21
SSL2020 AIT Mini-Library 2 drive, 20 slot Rackmount	175196-B22
SSL2020 AIT Library Pass Thru with Transport	175312-B21

Add-on drives and accessories

SSL2020 AIT Library Pass Thru Extender	175312-B22
AIT 50GB Drive Add-On LVD Drive for SSL2020 AIT Library	175197-B21
19 Slot Magazine for SSL2020 AIT Library	175198-B21
AIT 50-GB Data Cassette (5 pack)	152841-001
AIT Cleaning Cassette	402374-B21

NOTE: Please see the SSL2020 Automated AIT Tape Library Solution QuickSpecs for additional information including Upgrade Kits, Accessories, and SCSI Cable Kits and additional options needed for a complete solution at:
http://h18000.www1.hp.com/products/quickspecs/10580_na/10580_na.HTML (North America)
http://h18000.www1.hp.com/products/quickspecs/10580_div/10580_div.HTML (Worldwide)

Power Cords

NOTE: The Compaq ProLiant DL360 G3 ships with an IEC-IEC power cord used for rack mounting with Power Distribution Units (PDUs). For stand-alone deployments or installation without a rack, country-specific power cord options are available. U.S. & Japan models will ship with two power cords: IEC-IEC (142257-002) and North American C13-Nema 5-15P (103541-001) cords.

Power Cord, Euro, 10A 250 V Straight (12 ft/3.7 m)	157215-021
Power Cord, UK, 10A 250 V Straight (12 ft/3.7 m)	157216-031
Power Cord, Danish, 10A 250 V Straight (12 ft/3.7 m)	157218-081
Power Cord, Swiss, 10A 250 V Straight (12 ft/3.7 m)	157219-111
Power Cord, Italian, 10A 250 V Straight (12 ft/3.7 m)	157217-061
Power Cord, South Africa, 10A 250 V Straight (12 ft/3.7 m)	157220-AR1

Options

External Storage - Rack	StorageWorks Enclosure Model 4314R (rack-mountable)	190209-001
	StorageWorks Enclosure Model 4314R (rack-mountable) (Int'l)	190209-B31
	StorageWorks Enclosure Model 4314R (rack-mountable) (Japan)	190209-291
	StorageWorks Enclosure Model 4354R (rack-mountable)	190211-001
	StorageWorks Enclosure Model 4354R (rack-mountable) (Int'l)	190211-B31
	StorageWorks Enclosure Model 4354R (rack-mountable) (Japan)	190211-291

NOTE: The StorageWorks Enclosure 4300 Family supports the Wide Ultra3, Ultra320 1"Hot Plug Hard Drives.

	StorageWorks Enclosure 4200 Redundant Power Supply Option	119826-B21
	StorageWorks Enclosure 4200 Ultra3 Single Bus I/O Module Option	190212-B21
	StorageWorks Enclosure 4200 Ultra3 Dual Bus I/O Module Option	190213-B21
	StorageWorks Enclosure 4200 Tower to Rack Conversion Kit	150213-B21

MSA1000	MSA1000	201723-B22
	MSA1000 Controller	218231-B22
	MSA Fibre Channel I/O Module	218960-B21
	MSA1000 Fabric Switch	218232-B21
	MSA1000 Fibre Channel Adapter (FCA) 2101	245299-B21
	HP StorageWorks msa hub 2/3	286763-B21

NOTE: Please see the StorageWorks Modular SAN Array 1000 QuickSpecs for additional options
and configuration information at:
http://h18000.www1.hp.com/products/quickspecs/11033_na/11033_na.HTML (North America)
http://h18000.www1.hp.com/products/quickspecs/11033_div/11033_div.HTML (Worldwide)

StorageWorks Modular Array 8000/Enterprise Modular Array 12000	EMA12000 D14 60Hz	175990-B21
	EMA12000 D14 50Hz	175990-B22
	EMA12000 S14 60Hz	175991-B21
	EMA12000 S14 50Hz	175991-B22
	MA8000 60Hz	175992-B21
	MA8000 50Hz	175992-B22
	EMA12000 Blue 60Hz	175993-B21
	EMA12000 Blue 50Hz	175993-B22

NOTE: Options include controller, solution kits, ACS. MA8000/EMA12000 includes controller shelf,
drive shelves and cabinet. Packaging upgrade to A8000/ESA12000.

NOTE: Please see the StorageWorks MA8000/EMA12000 QuickSpecs for FC Hubs, FC switches,
platform software, host adapters, disks and options for complete solutions at:
http://h18000.www1.hp.com/products/quickspecs/10545_na/10545_na.HTML (North America)
http://h18000.www1.hp.com/products/quickspecs/10545_div/10545_div.HTML (Worldwide)

	StorageWorks SAN Director 64	254512-B21

NOTE: Please see the StorageWorks SAN Director 64 QuickSpecs for additional information:
http://h18000.www1.hp.com/products/quickspecs/11003_na/11003_na.HTML (North America)
http://h18000.www1.hp.com/products/quickspecs/11003_div/11003_div.HTML (Worldwide)

Options

StorageWorks Enterprise Modular Array 16000 FC	EMA16000 D14 50Hz (opal)	238792-B22
	EMA16000 D14 60Hz (opal)	238792-B21
	EMA16000 S14 50Hz (opal)	238791-B22
	EMA16000 S14 60Hz (opal)	238791-B21

NOTE: Models include: Dual HSG80 controllers in each Model 2200 enclosure (2 pairs per single bus configuration, 4 pairs per dual bus configuration) with 1GB cache per controller pair, and 12 14-bay drive enclosures with redundant power supplies. Configure-to-Order (CTO) builds are available. Options include ACS, platform kits and software by HP.

NOTE: Please see the StorageWorks EMA16000 QuickSpecs for FC switches, platform software, host adapters, disks and options for complete solutions at:
http://h18000.www1.hp.com/products/quickspecs/10812_na/10812_na.HTML (North America)
http://h18000.www1.hp.com/products/quickspecs/10812_div/10812_div.HTML (Worldwide)

StorageWorks Options	64-bit/66-MHz Fibre Channel Host Adapter	120186-B21

NOTE: The 64-bit/66-Mhz Fibre Channel Host Adapter has been qualified for use with the Compaq RAID Array 4000 family of products, the Enterprise Backup Solution, and the RAID Array 8000 under NetWare.

	64-bit/66-MHz Fibre Channel Host Adapter (Japan)	120186-291

NOTE: The 64-bit/66-Mhz Fibre Channel Host Adapter has been qualified for use with the Compaq RAID Array 4000 family of products, the Enterprise Backup Solution (EBS) offerings, and the RAID Array 8000 under NetWare.

	StorageWorks Director 2/64	286809-B21

NOTE: Please see the StorageWorks Director 2/64 QuickSpecs for additional information:
http://h18000.www1.hp.com/products/quickspecs/11003_na/11003_na.HTML (North America)
http://h18000.www1.hp.com/products/quickspecs/11003_div/11003_div.HTML (Worldwide)

	StorageWorks SAN Switch 2/8-EL	322120-B21
	StorageWorks SAN Switch 2/8-EL Upgrade	325888-B21
	StorageWorks SAN Switch 2/16	322118-B21
	StorageWorks SAN Switch 2/16-EL Upgrade	325889-B21

Smart Array ClusterStorage	Smart Array Cluster Storage	201724-B21
	Smart Array Cluster Storage Redundant Controller Option Kit	218252-B21
	Smart Array 532 Controller	225338-B21
	Smart Array 532 Controller (Japan)	225338-291
	128-MB Cache Module for Smart Array 5302 Controller	153506-B21

NOTE: 128-MB Cache Module for Smart Array 5302 Controller (PN 153506-B21) is an upgrade cache module (128 MB Standard) for Smart Array Cluster Storage Controller.

	256-MB Battery Backed Cache Module	254786-B21

NOTE: Please see the Compaq Smart Array Cluster Storage QuickSpecs for additional information including configuration steps and additional options needed for a complete solution at:
http://h18000.www1.hp.com/products/quickspecs/11050_na/11050_na.HTML (North America)
http://h18000.www1.hp.com/products/quickspecs/11050_div/11050_div.HTML (Worldwide)

Options

Cluster Options	ProLiant Cluster HA/F100 for MSA1000 v2	252408-B23
	ProLiant Cluster HA/F100 for MSA1000 v2 (Japan)	252408-293
	ProLiant Cluster HA/F200 for MSA1000 v2	252409-B23
	ProLiant Cluster HA/F200 for MSA1000 v2 (Japan)	252409-293

NOTE: For additional information regarding the Compaq ProLiant Cluster for HA/F100, HA/F200 for MSA1000 please see the following QuickSpecs at:
http://h18000.www1.hp.com/products/quickspecs/11035_na/11035_na.html (North America)
http://h18000.www1.hp.com/products/quickspecs/11035_div/11035_div.html (Worldwide)

	Compaq ProLiant Cluster HA/F100 for Windows NT and 2000 Advanced Server	309816-B21
	Compaq ProLiant Cluster HA/F200 Upgrade Kit (NT 4.0EE to W2K AS)	176848-B22
	Compaq ProLiant Cluster HA/F200 for Windows NT and 2000 Advanced Server	380357-B23
	Compaq ProLiant Cluster HA/F200 for Windows NT and 2000 Advanced Server (Japan)	380357-293

NOTE: For additional information regarding the Compaq ProLiant Cluster for HA/F100, HA/F200 for Windows NT and 2000 Advanced Server please see the following QuickSpecs at:
http://h18000.www1.hp.com/products/quickspecs/10777_na/10777_na.html (North America)
http://h18000.www1.hp.com/products/quickspecs/10777_div/10777_div.html (Worldwide)

	ProLiant Cluster HA/F500 Enhanced Kit for Enterprise Virtual Array	254623-B23
	ProLiant Cluster HA/F500 Basic Kit for Enterprise Virtual Array	313047-B22

NOTE: For additional information regarding the ProLiant Cluster for HA/F500 for Enterprise Virtual Array please see the following QuickSpecs at:
http://h18000.www1.hp.com/products/quickspecs/11055_na/11055_na.html (North America)
http://h18000.www1.hp.com/products/quickspecs/11055_div/11055_div.html (Worldwide)

	ProLiant Cluster HA/F500 for MA8000 Basic Kit	103250-B26
	ProLiant Cluster HA/F500 for MA8000 Enhanced Kit	379937-B26
	ProLiant Cluster HA/F500 for MA8000 Enhanced DT Kit	164227-B24

NOTE: For additional information regarding the ProLiant Cluster for HA/F500 for MSA8000 please see the following QuickSpecs at:
http://h18000.www1.hp.com/products/quickspecs/10232_na/10232_na.html (North America)
http://h18000.www1.hp.com/products/quickspecs/10232_div/10232_div.html (Worldwide)

	ProLiant Cluster HA/L100 - LifeKeeper for Linux	303523-B22

NOTE: Contact SteelEye for Free 30 day evaluation license or purchase production licenses.

NOTE: For additional information regarding the ProLiant Cluster HA/L100 LifeKeeper for Linux, please see the following QuickSpecs at:
http://h18000.www1.hp.com/products/quickspecs/11533_na/11533_na.html (North America)
http://h18000.www1.hp.com/products/quickspecs/11533_div/11533_div.html (Worldwide)

	HP Serviceguard for Linux ProLiant Cluster	305199-B22

NOTE: Kit includes 2 licenses, documentation and an Ethernet crossover cable.

	HP Serviceguard for Linux License	307754-B22

NOTE: Kit includes single license version and documentation.

NOTE: For additional information regarding the HP Serviceguard for Linux License, please see the following QuickSpecs at:
http://h18000.www1.hp.com/products/quickspecs/11518_na/11518_na.html (North America)
http://h18000.www1.hp.com/products/quickspecs/11518_div/11518_div.html (Worldwide)

UPS Power Cord Matrix	Please see the UPS Power Cord Matrix for cable descriptions, requirements, and specifications for UPS units:

ftp://ftp.compaq.com/pub/products/servers/proliantstorage/power-protection/powercordmatrix.pdf
NOTE: This Web site is available in English only.

QuickSpecs

HP ProLiant DL360 Generation 3

Options

Uninterruptible Power Systems – Rack Mountable	HP UPS R1500 XR (1440VA, 1340 Watt), Low Voltage (NA)	204404-001
	HP UPS R1500 XR (1500VA, 1340 Watt), High Voltage (Int'l)	204404-B31
	HP UPS R1500 XR (1500VA, 1340 Watt), Low Voltage (Japan)	204404-291
	HP UPS R3000 XR (2880VA, 2700 Watt), Low Voltage (NA)	192186-001
	HP UPS R3000 XR (3000VA, 2700 Watt), High Voltage (NA)	192186-002
	HP UPS R3000 XR (2400VA, 2250 Watt), Low Voltage (Japan)	192186-291
	HP UPS R3000 XR (3000VA, 2700 Watt), High Voltage (Japan)	192186-292
	HP UPS R3000 XR (3000VA, 2700 Watt), High Voltage (Int'l - detachable cord)	192186-B31
	HP UPS R3000 XR (3000VA, 2700 Watt), High Voltage (16A IEC309 Plug)	192186-B32
	HP UPS R3000 XR (3000VA, 2700 Watt), High Voltage (16A CEE 7/7 SCHUKO Plug)	192186-B33
	HP UPS R3000 XR (3000VA, 2700 Watt), High Voltage (16A BS-546 Plug)	192186-AR1
	Rack-Mountable UPS R6000 (6000VA, 6000 Watt) High Voltage (NA)	347207-001
	Rack-Mountable UPS R6000 (6000VA, 6000 Watt) High Voltage (Int'l)	347207-B31
	Rack-Mountable UPS R6000 (6000VA, 6000 Watt) High Voltage (Japan)	347207-291
	HP UPS R12000 XR, N+ x (12KVA, 12KW) High Voltage (WW)	207552-B22

NOTE: UPS R6000 has a hardwired input; and the UPS R12000 XR has a hardwired input and output connection.

UPS Options	SNMP Serial Port Card	192189-B21

NOTE: Supports tower and rack UPS XR models ranging from 1000 – 3000VA.

	Six Port Card	192185-B21

NOTE: Supports tower and rack UPS XR models ranging from 1000 – 3000VA.

	High to Low Voltage Transformer (250VA)	388643-B21

NOTE: Supports R6000 UPS series only. 2.5 amps @ 125 Volts max output across two NEMA 5-15.

	Extended Runtime Module, R1500 XR	218971-B21

NOTE: 2U each, two ERM maximum.

	Extended Runtime Module, R3000 XR	192188-B21

NOTE: 3U each, one ERM maximum.

	Extended Runtime Module, R6000	347224-B21

NOTE: 3U each, two ERM maximum.

	Extended Runtime Module, R12000 XR, 4U	217800-B21
	R12000 XR BackPlate Receptacle Kit, (2) L6-30R	325361-001

NOTE: The R12000 XR BackPlate Kit has a hardwired input.

	R12000 XR BackPlate Receptacle Kit, (2) IEC-309R	325361-B21

NOTE: The R12000 XR BackPlate Kit has a hardwired input.

	SNMP-EN Adapter	347225-B21

NOTE: 4U each, two ERM maximum.

	SNMP-EN Adapter	347225-B21

NOTE: Supports R6000 UPS series only.

	Multi-Server UPS Card	123508-B21

NOTE: Supports R6000 UPS series only.

	Scalable UPS Card	123509-B21

NOTE: Supports R6000 UPS series only.

QuickSpecs

Options

Modular PDUs 1U/0U (Up to 32 outlets) **NOTE:** 1U/0U mounting brackets shipped with the unit (optimized for 10000 and 9000 series racks).	HP Modular Power Distribution Units (mPDU), Low Volt Model, 24A (100-127 VAC) (NA, Japan)	252663-D71
	NOTE: This mPDU (252663-D71) may also be used to connect the low volt model of the UPS R3000 XR.	
	HP Modular Power Distribution Units (mPDU), High Volt Model, 24A (200-240 VAC) (NA, Japan)	252663-D72
	HP Modular Power Distribution Units (mPDU), High Volt Model, 32A (200-240 VAC) (Int'l)	252663-B31
	HP Modular Power Distribution Units (mPDU), High Volt Model, 40A (200-240 VAC) (WW)	252663-B21
	NOTE: This mPDU (252663-B21), 40A model has a hardwired input.	
	HP Modular Power Distribution Units (mPDU), High Volt Model, 16A (200-240 VAC) (WW)	252663-B24
	NOTE: This PDU has a detachable input power cord and allows for adaptability to country specific power requirements. This model may also be used with the high volt UPSs R3000 XR and R6000 For North America, need to order cable PN 340653-001.	
	NOTE: Please see the following Modular Power Distribution Unit (Zero-U/1U Modular PDUs) QuickSpecs for additional options including shorter jumper cables and country specific power cords: http://h18000.www1.hp.com/products/quickspecs/11041_na/11041_na.HTML (North America) http://h18000.www1.hp.com/products/quickspecs/11041_div/11041_div.HTML (Worldwide)	

PDU Options	Third Party Modular PDU Mounting Kit **NOTE:** This kit allows you to mount the Modular PDUs in racks other than the 9000/10000 Series racks (any racks using the standard 19" rail). For more details please refer the Modular PDU QuickSpecs.	310777-B21
	4.5' IEC C 13 to IEC C14 PDU Jumper Cable (1 per pack)	142257-006
	4.5' IEC C 13 to IEC C14 PDU Jumper Cable (15 per pack)	142257-007

USB Options	USB Easy Access Keyboard (carbon)	267146-xx8

USB Easy Access Keyboard (Carbon) Country Key Code

Dash #	Description	Dash #	Description
-008	US	-178	Arabic
-038	UK	-188	Belgium
-048	Germany	-218	Hungary
-058	France	-228	Czech
-068	Italy	-238	Slovac
-078	Spain	-245	Polish
-088	Denmark	-258	Russian
-098	Norway	-298	Japan
-108	Sweden/Finland	-338	Dutch
-128	French Canadian	-358	Finish
-138	Portugal	-B38	Int'l
-148	Turkey	-B48	BHCSY
-155	Greek		

USB Easy Access Keyboard (carbonite)	DC168B#
USB 2-Button Scroll Mouse (carbon)	195255-B25
USB 2-Button Scroll Mouse (carbonite)	DC172B
USB Floppy	304707-B21

QuickSpecs

Options

USB Easy Access Keyboard (Carbonite) Country Key Code

Dash #	Description	Dash #	Description
A2M	ICELAND	ABT	HE
AB0	TAWA	ABU	UK
AB1	KOR	ABV	ARA
AB2	PRC	ABX	FIN
AB6	FRA	ABY	DEN
AB7	GRK	ABZ	ITL
AB8	TURK	AC0	BEL
AB9	PORT	AC4	BRZ
ABA	US	ACB	RUSS
ABB	EURO	AKB	CZE
ABC	FCAN	AKC	HUNG
ABD	GR	AKD	POL
ABE	SP	AKL	THAI
ABF	FR	AKN	BHCSY
ABH	NL	AKR	SLOV
ABJ	Japan	ARK	ICELAND
ABM	LA	B15	KAZ
ABN	NOR	UUZ	SWISS
ABS	SW		

Rack Builder

Please see the Rack Builder for configuration assistance at
http://www8.compaq.com/RackBuilderOnline/pages/pg_main.html.
NOTE: This Web site is available in English only.

QuickSpecs

Options

ProLiant DL360 G3 Deployment Options	DL360 G2/G3 Universal sliding rail kit	303341-B21
	DL360 Telco Rack Option Kit	251243-B21
	325W HP redundant power supply with IEC cord only	293703-B21

NOTE: The HP ProLiant DL360 G3 ships with an IEC-IEC power cord used for rack mounting with Power Distribution Units (PDUs). For stand-alone deployments or installation without a rack, country-specific power cord options are available. U.S., Japan, & APD models ship with two power cords: IEC-IEC and country-specific cords.

325W HP redundant power supply with US or Japanese NEMA cord only   293703-001

NOTE: The HP ProLiant DL360 G3 ships with an IEC-IEC power cord used for rack mounting with Power Distribution Units (PDUs). For stand-alone deployments or installation without a rack, country-specific power cord options are available. U.S., Japan, & APD models ship with two power cords: IEC-IEC and country-specific cords.

Vertical-Mount PDU Bracket with High Voltage Cables   166097-B21

NOTE: In order to deploy a Compaq Power Distribution Unit (PN's 295363-xxx ONLY) in the side of a rack cabinet next to the ProLiant DL360 units, you must purchase the Vertical-Mount PDU Bracket with High Voltage Cables (166097-B21) or Vertical-Mount PDU Bracket (191265-B21) depending on your rack configuration. Please see the Compaq Rack Solution Overview whitepaper at http://www.compaq.com/support/techpubs/index.html for more information.
NOTE: This Web site is available in English only.

Vertical-Mount PDU Bracket   191265-B21

NOTE: In order to deploy a Compaq Power Distribution Unit (PN's 295363-xxx ONLY) in the side of a rack cabinet next to the ProLiant DL360 units, you must purchase the Vertical-Mount PDU Bracket with High Voltage Cables (166097-B21) or Vertical-Mount PDU Bracket (191265-B21) depending on your rack configuration. Please see the Compaq Rack Solution Overview whitepaper at http://www.compaq.com/support/techpubs/index.html for more information.
NOTE: This Web site is available in English only.

Options

HP Rack 10000 Series (Graphite Metallic)	HP Rack S10614 (14U) Rack Cabinet - Shock Pallet	292302-B22
	HP Rack 10842 (42U, 800mm wide) – Pallet	257415-B21
	HP Rack 10842 (42U, 800mm wide) – Shock Pallet	257415-B22
	HP Rack 10647 (47U) – Pallet	245160-B21
	HP Rack 10647 (47U) – Crated	245160-B23
	HP Rack 10642 (42U) – Pallet	245161-B21
	HP Rack 10642 (42U) – Shock Pallet	245161-B22
	HP Rack 10642 (42U) – Crated	245161-B23
	HP Rack 10636 (36U) – Pallet	245162-B21
	HP Rack 10636 (36U) – Shock Pallet	245162-B22
	HP Rack 10636 (36U) – Crated	245162-B23
	HP Rack 10622 (22U) – Pallet	245163-B21
	HP Rack 10622 (22U) – Shock Pallet	245163-B22
	HP Rack 10622 (22U) – Crated	245163-B23

NOTE: -B21 (pallet) used to ship empty racks shipped on a truck
-B22 (shock pallet) used to ship racks with equipment installed (by custom systems, VARs and Channels)
-B23 (crated) used for air shipments of empty racks

NOTE: It is mandatory to use a shock pallet in order to ship racks with equipment installed. Not all Compaq equipment is qualified to be shipped in the Rack 10000 series

NOTE: Please see the Rack 10000 QuickSpecs for Technical Specifications such as height, width, depth, weight, and color:
http://h18000.www1.hp.com/products/quickspecs/10995_div/10995_div.HTML (Worldwide)
http://h18000.www1.hp.com/products/quickspecs/10995_na/10995_na.HTML (North America)

NOTE: For additional information regarding Rack Cabinets, please see the following URL:
http://h18000.www1.hp.com/products/servers/proliantstorage/rack-ptions/index.html
NOTE: This Web site is available in English only.

Rack 9000 Series (opal)	Rack 9142 (42U) – Pallet	120663-B21
	Rack 9142 (42U) – Shock Pallet	120663-B22
	Rack 9142 (42U) – Crated	120663-B23

NOTE: –B21 (pallet) used to ship empty racks shipped on a truck
–B22 (shock pallet) used to ship racks with equipment installed (by custom systems, VARs and Channels)
–B23 (crated) used for air shipments of empty racks

NOTE: Please see the Rack 9000 QuickSpecs for Technical Specifications such as height, width, depth, weight, and color:
http://h18000.www1.hp.com/products/quickspecs/10366_div/10366_div.HTML (Worldwide)
http://h18000.www1.hp.com/products/quickspecs/10366_na/10366_na.HTML (North America)

NOTE: For additional information regarding Rack Cabinets, please see the following URL:
http://h18000.www1.hp.com/products/servers/proliantstorage/rack-ptions/index.html
NOTE: This Web site is available in English only.

Options

Rack Options for HP Rack 10000 Series		
Rack Blanking Panels – Graphite (Multi)		253214-B26

NOTE: Contains one each of 1U, 2U, 4U and 8U.

Rack Blanking Panels – Graphite (1U)		253214-B21

NOTE: The Rack Blanking Panels (PN 253214-B21) contains 10 each of (1U).

Rack Blanking Panels – Graphite (2U)   253214-B22

NOTE: The Rack Blanking Panels (PN 253214-B21) contains 10 each of (2U).

Rack Blanking Panels – Graphite (3U)   253214-B23

NOTE: The Rack Blanking Panels (PN 253214-B21) contains 10 each of (3U).

Rack Blanking Panels – Graphite (4U)   253214-B24

NOTE: The Rack Blanking Panels (PN 253214-B21) contains 10 each of (4U).

Rack Blanking Panels – Graphite (5U)   253214-B25

NOTE: The Rack Blanking Panels (PN 253214-B21) contains 10 each of (5U).

800mm Wide Stabilizer Kit (Graphite)   255488-B21

NOTE: Supported by the Rack 10842 cabinet only.

600mm Stabilizer Kit – Graphite   246107-B21

Baying Kit for Rack 10000 series (Carbon)   248929-B21

42U Side Panel – Graphite Metallic   246099-B21

110V Fan Kit (Graphite)   257413-B21

NOTE: Roof Mount Includes power cord with IEC320-C13 to Nema 5-15P.

220V Fan Kit (Graphite)   257414-B21

NOTE: Roof Mount Includes power cord with IEC320-C13 to Nema 6-15P.

36U Side Panel – Graphite Metallic   246102-B21

47U Side Panel – Graphite Metallic   255486-B21

9000/10000 Series Offset Baying Kit (42U)   248931-B21

NOTE: This kit can be used to connect 9000 and 10000 series racks of the same U height together. Kit contents include hardware for connecting racks and a panel to cover the 100mm gap at the rear of the two racks.

NOTE: For additional information regarding Rack Cabinets, please see the following URL: http://h18000.www1.hp.com/products/servers/proliantstorage/rack-ptions/index.html
NOTE: This Web site is available in English only.

Rack Options for Rack 9000 Series	Baying/Coupling Kit	120669-B21
	42U Side Panel	120670-B21
	NOTE: The 42U Side Panel (PN 120670-B21) supports the Compaq Rack 9142 and Compaq Rack 9842.	
	36U Side Panel	120671-B21
	NOTE: The 36U Side Panel (PN 120671-B21) supports the Compaq Rack 9136.	
	600-mm Stabilizer Option Kit	120673-B21
	800-mm Stabilizer Option Kit (Opal)	234493-B21
	NOTE: The 800-mm Stabilizer Kit (PN 234493-B21) supports the Rack 9842 only.	
	9142 Extension Kit	120679-B21
	NOTE: The 9142 Extension Kit (PN 120679-B21) supports the Compaq Rack 9142 only.	
	9142 Split Rear Door (Opal)	254045-B21
	NOTE: The Split Rear Door (PN 254045-B21) supports the 600 mm wide, 42U 9000 series rack.	
	9136 Extension Kit	218216-B21
	9142 Short Rear Door	218217-B21
	NOTE: The 9142 Short Rear Door (PN 218217-B21) supports the Compaq Rack 9142 only.	
	9136 Short Rear Door	218218-B21
	Rack Blanking Panel (Multi)	169940-B21
	NOTE: Kit includes four panels in 1U, 2U, 4U, and 8U.	
	Rack Blanking Panels (1U)	189453-B21
	NOTE: The Rack Blanking Panels (PN 189453-B21) contains 10 each of (1U).	
	Rack Blanking Panels (2U)	189453-B22
	NOTE: The Rack Blanking Panels (PN 189453-B22) contains 10 each of (2U).	
	Rack Blanking Panels (3U)	189453-B23
	NOTE: The Rack Blanking Panels (PN 189453-B23) contains 10 each of (3U).	
	Rack Blanking Panels (4U)	189453-B24
	NOTE: The Rack Blanking Panels (PN 189453-B24) contains 10 each of (4U).	
	Rack Blanking Panels (5U)	189453-B25
	NOTE: The Rack Blanking Panels (PN 189453-B25) contains 10 each of (5U).	
	9136 Extension Kit	218216-B21
	9000/10000 Series Offset Baying Kit (42U)	248931-B21
	NOTE: This kit can be used to connect 9000 and 10000 series racks of the same U height together. Kit contents include hardware for connecting racks and a panel to cover the 100-mm gap at the rear of the two racks.	

NOTE: Please see the Rack 9000 QuickSpecs for Technical Specifications such as height, width, depth, weight, and color: http://h18000.www1.hp.com/products/quickspecs/10366_div/10366_div.HTML (Worldwide) http://h18000.www1.hp.com/products/quickspecs/10366_na/10366_na.HTML (North America)

NOTE: For additional information regarding Rack Cabinets, please see the following URL: http://h18000.www1.hp.com/products/servers/proliantstorage/rack-ptions/index.html
NOTE: This Web site is available in English only.

Rack Options for Rack 7000 Series	High Air Flow Rack Door Insert for the 7122 Rack	157847-B21
	High Air Flow Rack Door Insert for the 7142 Rack (single)	327281-B21
	High Air Flow Rack Door Insert for the 7142 Rack (6-pack)	327281-B22
	Compaq Networking Cable Management Kit	292407-B21
	Compaq Rack Extension Kit for 7142	154392-B21

NOTE: For additional information regarding Rack Cabinets, please see the following URL: http://h18000.www1.hp.com/products/servers/proliantstorage/rack-ptions/index.html
NOTE: This Web site is available in English only.

Rack Options for Rack	Ballast Option Kit	120672-B21

Options

7000, 9000 and 10000 Series

100-kg Sliding Shelf	234672-B21
Rack Rail Adapter Kit (25"depth)	120675-B21
Cable Management D-Rings Kit	168233-B21
Monitor/Utility Shelf - Graphite	253449-B21
Depth Adjustable Fixed Rail	332558-B21
Console Management Controller (CMC) Option Kit	203039-B21
Console Management Controller (CMC) Sensors Option Kit	203039-B22
Console Management Controller (CMC) Locking Option Kit	203039-B23
Console Management Controller (CMC) Smoke Sensors Option Kit	203039-B24
Server Console Switch 1 x 2-port (100 to 230 VAC)	120206-001
Server Console Switch 1 x 2-port (100 to 230 VAC) (Int'l)	120206-B31
Server Console Switch 1 x 2-port (100 to 230 VAC) (Japan)	120206-291
Server Console Switch 1 x 4-port (100 to 230 VAC)	400336-001
Server Console Switch 1 x 4-port (100 to 230 VAC) (Int'l)	400336-B31
Server Console Switch 1 x 4-port (100 to 230 VAC) (Japan)	400336-291
Server Console Switch 1 x 8-port (100 to 230 VAC)	400337-001
Server Console Switch 1 x 8-port (100 to 230 VAC) (Int'l)	400337-B31
Server Console Switch 1 x 8-port (100 to 230 VAC) (Japan)	400337-291
Server Console Switch 2 x 8-port (100 to 230 VAC)	400338-001
Server Console Switch 2 x 8-port (100 to 230 VAC) (Int'l)	400338-B31
Server Console Switch 2 x 8-port (100 to 230 VAC) (Japan)	400338-291
Server Console Switch 2 x 8-port (48 VDC)	400542-B21
Server Console Switch 2 x 8-port (48 VDC)	400542-B21
IP Console Switch Box, 1x1x16	262585-B21
IP Console Switch Box, 3x1x16	262586-B21
IP Console Interface Adapter, 8 pack	262587-B21
IP Console Interface Adapter, 1 pack	262588-B21
IP Console Expansion Module	262589-B21
KVM 9 PIN Adapter (4 Pack)	149361-B21
CPU to Server Console Cable, 12'	110936-B21
CPU to Server Console Cable, 20'	110936-B22
CPU to Server Console Cable, 40'	110936-B23
CPU to Server Console Cable, 3'	110936-B24
CPU to Server Console Cable, 7'	110936-B25
CPU to Server Console Cable (Plenum Rated) 20'	149363-B21
CPU to Server Console Cable (Plenum Rated) 40'	149364-B21
IP CAT5 Cable 3', 4 pack	263474-B21
IP CAT5 Cable 6', 8 pack	263474-B22
IP CAT5 Cable 12', 8 pack	263474-B23
IP CAT5 Cable 20', 4 pack	263474-B24
IP CAT5 Cable 40', 1 pack	263474-B25
Switch Box Connector Kit (115 V)	144007-001
Switch Box Connector Kit (230 V)	144007-002
Switch Box Connector Kit (high voltage) (Int'l)	144007-B33
Keyboard/Monitor/Mouse extension cables	169989-001
TFT5600 RKM Rack Keyboard Monitor	221546-xx1

Country Code Key (for TFT5600 RKM Rack Keyboard Monitor (PN 221546-xx1))

Options

XX = 001	US	XX = 091	Norway
XX = 031	UK	XX = 101	Sweden/Finland
XX = 041	Germany	XX = 111	Switzerland
XX = 051	France	XX = 131	Portugal
XX = 061	Italy	XX = 181	Belgium
XX = 071	Spain	XX = 291	Japan
XX = 081	Denmark	XX = B31	International

1U Rack Keyboard & Drawer (Carbon)   257054-xx1

Country Code Key (for 1U Rack Keyboard & Drawer (PN 257054-xx1))

XX = 001	US	XX = 091	Norway
XX = 031	UK	XX = 101	Sweden/Finland
XX = 041	Germany	XX = 111	Switzerland
XX = 051	France	XX = 131	Portugal
XX = 061	Italy	XX = 181	Belgium
XX = 071	Spain	XX = 291	Japan
XX = 081	Denmark	XX = B31	International

Input Device Adjustable Rails   287139-B21
NOTE: Input Device Adjustable Rails (287139-B21) are for use ONLY with the
TFT5110R, TFT5600RKM and integrated keyboard/drawer which is used in
mounting into third party racks.

Input Device Telco Rail   287138-B21
NOTE: Input Device Telco Rails (287138-B21) are for use ONLY with the TFT5110R,
TFT5600RKM and integrated keyboard/drawer which is used in mounting into
third party racks.

NOTE: For additional information regarding Rack Cabinets, please see the following URL:
http://h18000.www1.hp.com/products/servers/proliantstorage/rack-ptions/index.html
NOTE: This Web site is available in English only.

HP Factory Express

Factory Installation, Racking, and Customization Services

Factory Express Server Configuration Level 1 — 293355-888

NOTE: Free Installation of HP Options - Installation of HP Options memory, NICs, hard drives, controllers, processors, I/O cards, pre-install standard OEM OS image, and tape drives. Installation fees will apply to all non-HP certified hardware and asset tags.
NOTE: Available on ProLiant ML370 G3 Rack Models Only.

Factory Express Server Configuration Level 2 — 266326-888

NOTE: Includes Level 1 Customer Intent of a ProLiant server and options configuration, OS installation, custom image download, IP addressing, network setting, and custom packaging. Customer unique requirements (quick restore creation, cd duplication, test reports, real-time reporting of server MAC address, password, and RILOE). Customer access, validation and control through VPN (price/server).
NOTE: Available on ProLiant ML370 G3 Rack Models Only.

Factory Express Rack Integration Level 3 with 1 - 3 servers or storage enclosures — 325736-888
Factory Express Rack Integration Level 3 with 4 - 9 servers or storage enclosures — 232539-888
Factory Express Rack Integration Level 3 with 10 or more servers or storage enclosures — 325735-888

NOTE: Includes Level 1 Customer Intent for standard mounted servers and storage units plus standard cable mgmt, RAID configuration, servers & storage, power distribution, networking gear and accessories (price/ra520ck).
NOTE: Available on ProLiant ML370 G3 Rack Models Only.

Factory Express Rack Integration Level 4 with 1 - 3 servers or storage enclosures — 325734-888
Factory Express Rack Integration Level 4 with 4 - 9 servers or storage enclosures — 232540-888
Factory Express Rack Integration Level 4 with 10 or more servers or storage enclosures — 325733-888

NOTE: Includes Level 2 Customer Intent plus customer defined cable management and naming convention, customer furnished image download, IP addressing, cluster configurations (SQL, External storage RAID). Quick restore creation, cd duplication, test reports, real-time reporting of server MAC address, password, RILOE). Customer access and validation through VPN (price/rack).
NOTE: Available on ProLiant ML370 G3 Rack Models Only.

Factory Express Rack Integration Level 5 with 1 - 3 servers or storage enclosures — 325732-888
Factory Express Rack Integration Level 5 with 4 - 9 servers or storage enclosures — 232541-888
Factory Express Rack Integration Level 5 with 10 or more servers or storage enclosures — 325731-888

NOTE: Includes Level 4 Customer Intent plus Custom SW layering and extended test, Customer access, validation and control through VPN, Clustered racks with networking gear and/or external storage array, Start-up installation services custom quote. (price/rack).
NOTE: Factory Express Engineered Solution Level 6 is a custom solutions available through Factory Express. Please contact a your local reseller or Account Manager.
NOTE: Available on ProLiant ML370 G3 Rack Models Only.

Service and Support Offerings (HP Care Pack Services)

Hardware Services 4-Hour On-site Service

4-Hour On-site Service, 5-Day x 13-Hour Coverage, 3 Years (Canadian Part Number) — FP-EL3EC-36
4-Hour On-site Service, 5-Day x 13-Hour, 3 Years (U.S. Part Number) — 331045-002
4-Hour On-site Service, 5-Day x 13-Hour Coverage, 3 Years (AP/EMEA Part Numbers) — U4496A / U4496E
4-Hour On-site Service, 7-Day x 24-Hour Coverage, 3 Years (Canadian Part Number) — FP-EL7EC-36
4-Hour On-site Service, 7-Day x 24-Hour Coverage, 3 Years (U.S. Part Number) — 162675-002
4-Hour On-site Service, 7-Day x 24-Hour Coverage, 3 Years (AP/EMEA Part Numbers) — U4497A / U4497E
6-Hour Call to Repair, On-site Service, 7-Day x 24-Hour Coverage, 3 Years (Canadian Part Number) — FP-ELCEC-36
6-Hour Call to Repair, On-site Service 7-Day x 24-Hour Coverage, 3 Years (U.S. Part Number) — 331046-002
6-Hour Call to Repair, On-site Service, 7-Day x 24-Hour Coverage, 3 Years (AP/EMEA Part Numbers) — U4498A / U4498E

Hardware Services Next Business Day On-Site Service

Hardware Installation (Canadian Part Number) — FP-ELINS-EC

Hardware Installation (U.S. Part Number)	401791-002
Hardware Installation (AP/EMEA Part Numbers)	U4506A U4506E
Installation & Start-Up of a ProLiant server and Microsoft O/S per the Customer Description and/or Data Sheet. To be delivered on a scheduled basis 8am-5pm, M-F, excl. HP holidays. (U.S. Part Number)	240013-002
Installation & Start-Up of a ProLiant server and Microsoft O/S per the Customer Description and/or Data Sheet. To be delivered on a scheduled basis 8am-5pm, M-F, excl. HP holidays. (Canadian Part Number)	FM-MSTEC-01
Installation & Start-Up of a ProLiant server and Microsoft or Linux O/S per the Customer Description and/or Data Sheet. To be delivered on a scheduled basis 8am-5pm, M-F, excl. HP holidays. (AP/EMEA Part Numbers)	U4507A U4507E
Installation & Start-Up of a ProLiant server and Linux O/S per the Customer Description and/or Data Sheet. To be delivered on a scheduled basis 8am-5pm, M-F, excl. HP holidays. (U.S. Part Number)	331051-002
Installation & Start-Up of a ProLiant server and Linux O/S per the Customer Description and/or Data Sheet. To be delivered on a scheduled basis 8am-5pm, M-F, excl. HP holidays. (Canadian Part Number)	FM-LSTEC-01

Support Plus

Onsite HW support, 8am-9pm, M-F, 4hr response and Microsoft O/S SW Tech support offsite, onsite at HP's discretion, 8am-9pm, M-F 2hr response time excl. HP holidays. (U.S. Part Number)	239928-002
Onsite HW support, 8am-9pm, M-F, 4hr response and Microsoft O/S SW Tech support offsite, onsite at HP's discretion, 8am-9pm, M-F 2hr response time excl. HP holidays. (Canadian Part Number)	FM-M01E1-36
Onsite HW support, 8am-9pm, M-F, 4hr response and Microsoft O/S SW Tech support offsite, onsite at HP's discretion, 8am-9pm, M-F 2hr response time excl. HP holidays. (AP/EMEA Part Numbers)	U4508A U4508E
Onsite HW support, 8am-9pm, M-F, 4hr response and Linux O/S SW Tech support offsite, onsite at HP's discretion, 8am-9pm, M-F 2hr response time excl. HP holidays. (U.S. Part Number)	331049-002
Onsite HW support, 8am-9pm, M-F, 4hr response and Linux O/S SW Tech support offsite, onsite at HP's discretion, 8am-9pm, M-F 2hr response time excl. HP holidays. (Canadian Part Number)	FM-L01E1-36
Onsite HW support, 8am-9pm, M-F, 4hr response and Linux O/S SW Tech support offsite, onsite at HP's discretion, 8am-9pm, M-F 2hr response time excl. HP holidays. (AP/EMEA Part Numbers)	U4510A U4510E

Support Plus 24

Onsite HW support 24x7, 4hr response and Microsoft O/S SW Tech support offsite, onsite at HP's discretion, 24x7 2hr response time incl. HP holidays. (U.S. Part Number)	239930-002
Onsite HW support 24x7, 4hr response and Microsoft O/S SW Tech support offsite, onsite at HP's discretion, 24x7 2hr response time incl. HP holidays. (Canadian Part Number)	FM-M02E1-36
Onsite HW support 24x7, 4hr response and Microsoft O/S SW Tech support offsite, onsite at HP's discretion, 24x7 2hr response time incl. HP holidays. (AP/EMEA Part Numbers)	U4509A U4509E
Onsite HW support 24x7, 4hr response and Linux O/S SW Tech support offsite, onsite at HP's discretion, 24x7 2hr response time incl. HP holidays. (U.S. Part Number)	331050-002
Onsite HW support 24x7, 4hr response and Linux O/S SW Tech support offsite, onsite at HP's discretion, 24x7 2hr response time incl. HP holidays. (Canadian Part Number)	FM-L02E1-36
Onsite HW support 24x7, 4hr response and Linux O/S SW Tech support offsite, onsite at HP's discretion, 24x7 2hr response time incl. HP holidays. (AP/EMEA Part Numbers)	U4511A U4511E

CarePaq Priority Services for ProLiant Servers - Priority Silver

24 x 7 HW, 4-hr response, Named HW engineer; 24 x 7 Silver Software Support, 1-hr response, Monday - Friday, 8AM - 5PM local time, 2-hr response after hours for Windows NT, Windows 2000, Professional, Server or Advanced Server Operating System, Technical Account Manager, Technical Newsletter, SW activity review, proactive patch notification, 1 System Healthcheck per year (2-5-2 Part Number for Canada)	FM-M04E1-36
24 x 7 HW, 4-hr response, Named HW engineer; 24 x 7 Silver Subsequent System Support for Windows NT, Windows 2000, Professional, Server or Advanced Server Operating System (2-5-2 Part Number for Canada)	FM-M24E1-36
24 x 7 HW, 4-hr response, Named HW engineer; 24 x 7 Silver Software Support, 1-hr response, Monday - Friday, 8AM - 5PM local time, 2-hr response after hours for Novell NetWare Operating System, Technical Account Manager, Technical Newsletter, SW activity review (2-5-2 Part Number for	FM-N04E1-36

Options

Canada)

24 x 7 HW, 4-hr response, Named HW engineer; 24 x 7 Silver Subsequent System Support for Novell NetWare Operating System (2-5-2 Part Number for Canada)	FM-N24E1-36
24 x 7 HW, 4-hr response, Named HW engineer; 24 x 7 Silver Software Support, 1-hr response, Monday - Friday, 8AM - 5PM local time, 2-hr response after hours for Windows NT, Windows 2000, Professional, Server or Advanced Server Operating System, Technical Account Manager, Technical Newsletter, SW activity review, proactive patch notification, 1 System Healthcheck per year (6-3 Part Number for U.S.)	239932-002
24 x 7 HW, 4-hr response, Named HW engineer; 24 x 7 Silver Subsequent System Support for Windows NT, Windows 2000, Professional, Server or Advanced Server Operating System (6-3 Part Number for U.S.)	239934-002
24 x 7 HW, 4-hr response, Named HW engineer; 24 x 7 Silver Software Support, 1-hr response, Monday - Friday, 8AM - 5PM local time, 2-hr response after hours for Novell NetWare Operating System, Technical Account Manager, Technical Newsletter, SW activity review (6-3 Part Number for U.S.)	239972-002
24 x 7 HW, 4-hr response, Named HW engineer; 24 x 7 Silver Subsequent System Support for Novell NetWare Operating System (6-3 Part Number for U.S.)	239974-002

NOTE: For more information, customer/resellers can contact http://www.hp.com/services/carepack

QuickSpecs

Memory

HP ProLiant DL360 G3 3.06GHz-1MB Models

Standard Memory
1024-MB PC2100-MHz Registered DDR SDRAM DIMM installed (2 x 512-MB SDRAM DIMM)

Standard Memory Plus Optional Memory
Up to 5120-MB memory is available with the optional installation of PC2100-MHz Registered DDR SDRAM DIMM memory kits

Standard Memory Replaced with Optional Memory
Up to 8192-MB of memory is available with the removal of the standard 1024-MB of memory and the optional installation of PC2100-MHz Registered DDR SDRAM DIMM memory kits
NOTE: Chart does not represent all possible configurations.

Memory		Slot			
		1	2	3	4
Standard	1024 MB	512 MB	512 MB	Empty	Empty
Optional	5,120 MB	512 MB	512 MB	2048 MB	2048 MB
Maximum	8,192 MB	2048 MB	2048 MB	2048 MB	2048 MB

Following are memory options available from HP:
- 4096-MB of Advanced ECC PC2100 DDR SDRAM DIMM Memory Kit (2x2048MB)   300682-B21
- 2048-MB of Advanced ECC PC2100 DDR SDRAM DIMM Memory Kit (2x1024MB)   300680-B21
- 1024-MB of Advanced ECC PC2100 DDR SDRAM DIMM Memory Kit (2 x 512MB)   300679-B21
- 512-MB of Advanced ECC PC2100 DDR SDRAM DIMM Memory Kit (2 x 256MB)   300678-B21

HP ProLiant DL360 G3 All Models 3.06GHz-512KB and Lower

Standard Memory
512-MB PC2100-MHz Registered DDR SDRAM DIMM installed (2 x 256-MB SDRAM DIMM); some models ship with 1GB standard memory (2 x 512-MB SDRAM DIMM)

Standard Memory Plus Optional Memory
Up to 7168-MB memory is available with the optional installation of PC2100-MHz Registered DDR SDRAM DIMM memory kits

Standard Memory Replaced with Optional Memory
Up to 8192-MB of memory is available with the removal of the standard 512-MB of memory and the optional installation of PC2100-MHz Registered DDR SDRAM DIMM memory kits.

NOTE: Chart does not represent all possible configurations.

Memory		Slot			
		1	2	3	4
Standard	512 MB	256 MB	256 MB	Empty	Empty
Optional	2,560 MB	256 MB	256 MB	1024 MB	1024 MB
Maximum	8,192 MB	2048 MB	2048 MB	2048 MB	2048 MB

Following are memory options available from HP:
- 4096-MB of Advanced ECC PC2100 DDR SDRAM DIMM Memory Kit (2x2048MB)   300682-B21
- 2048-MB of Advanced ECC PC2100 DDR SDRAM DIMM Memory Kit (2x1024MB)   300680-B21
- 1024-MB of Advanced ECC PC2100 DDR SDRAM DIMM Memory Kit (2 x 512MB)   300679-B21
- 512-MB of Advanced ECC PC2100 DDR SDRAM DIMM Memory Kit (2 x 256MB)   300678-B21

QuickSpecs

Storage
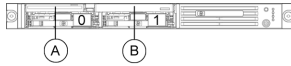
0,1	2 x 1 inch Wide Ultra320 Hot Pluggable Hard Drive Bays
A	1.44-MB Diskette Drive (fixed)
B	Low-Profile 24x IDE CD-ROM (ejectable)

Drive Support

	Quantity Supported	Position Supported	Controller
Removable Media			
1.44-MB Diskette Drive	Up to 1	A	Integrated
Low-profile 24x IDE CD-ROM Drive	Up to 1	B	Integrated IDE
Slim Line DVD-Rom Drive (8x/24x) Option Kit (Servers)	Up to 1	B	Integrated IDE

Hard Drives

Ultra320 Hot Pluggable Drives
NOTE: The DL360 G3 only supports U320 Universal drives.

	Quantity Supported	Position Supported	Controller
1-inch	Up to 2	0-1	
145.6-GB 10,000 rpm			Smart Array 5i plus Controller (integrated on system board)
72.8-GB 10,000 rpm			NOTE: The ProLiant DL360 Generation 3 (G3) does not offer an external SCSI
36.4-GB 10,000 rpm			port.
18.2-GB 15,000 rpm			Smart Array 532 Controller
72.8-GB 15,000 rpm			Smart Array 5304/128 Controller
36.4-GB 15,000 rpm			Smart Array 5304/256 Controller
			Smart Array 6402/128 Controller
			Smart Array 5312 Controller
			Smart Array 641 Controller
			Smart Array 642 Controller
			64-Bit/133-MHz Dual Channel Ultra320 SCSI Adapter

QuickSpecs

Storage

External Storage

	Quantity Supported	Position Supported	Controller
StorageWorks Enclosure 4300 Family (supports Ultra2/Ultra3 drives)	Up to 8	External	Smart Array 532 Controller Smart Array 5304/128 Controller Smart Array 5304/256 Controller Smart Array 6402/128 Controller Smart Array 5312 Controller Smart Array 642 Controller 64-Bit/133-MHz Dual Channel Ultra320 SCSI Adapter
3U Rackmount Kit 5U Rackmount Kit	Up to 8	External	64-Bit/133-MHz Dual Channel Ultra320 SCSI Adapter
MSA 1000	Please see the MSA 1000 QuickSpecs below to determine configuration requirements	External	Please see the MSA 1000 QuickSpecs (URL below) for the latest list of supported HBAs

MSA 1000: http://h18000.www1.hp.com/products/quickspecs/11033_div/11033_div.HTML

Maximum Storage Capacity (StorageWorks Enclosure 4300 SCSI Attached)

Internal	291.2 GB (2 x 145.6 GB Wide Ultra320 1")
External	8.153TB (8 x (14 x 72.8 GB Wide Ultra3 1" Drives))
Total	8.299 TB

Storage

Tape Drives

NOTE: For an up-to-date listing of the latest O/S Support details for each of the Tape Drives listed below, please see the following:
http://h18000.www1.hp.com/products/quickspecs/North_America/10233.html (North America)
http://h18000.www1.hp.com/products/quickspecs/Division/10233.html (Worldwide)

NOTE: For an up-to-date listing of the latest O/S Support details for each of the Tape Storage Systems listed below, please see the following:
http://h18000.www1.hp.com/products/quickspecs/North_America/10809.html (North America)
http://h18000.www1.hp.com/products/quickspecs/Division/10809.html (Worldwide)

	Quantity Supported	Position Supported	Controller
20/40-GB DAT 8 Cassette Autoloader External DAT 20/40-GB Tape Drive	Up to 4	External	64-Bit/133-MHz Dual Channel Ultra320 SCSI Adapter
SSL1016 SDLT160/320 tape autoloader	Up to 2	External	64-Bit/133-MHz Dual Channel Ultra320 SCSI Adapter
AIT 35-GB LVD Tape Drive AIT 50-GB Tape Drive AIT 100-GB Tape Drive	Up to 3 (for AIT 35 GB) Up to 2 (for AIT 50 GB, AIT 100 GB)	External	64-Bit/133-MHz Dual Channel Ultra320 SCSI Adapter
External DLT VS 40/80-GB External 40/80-GB DLT Enhanced	Up to 3	External	64-Bit/133-MHz Dual Channel Ultra320 SCSI Adapter
HP StorageWorks AIT 35 GB Autoloader	Up to 1 (for a single HBA) Up to 2 (for a dual HBA)	External	64-Bit/133-MHz Dual Channel Ultra320 SCSI Adapter
Ultrium 215, External Ultrium 230, External Ultrium 460, External	Up to 2	External	64-Bit/133Mhz Dual Channel Ultra320 SCSI Adapter
SDLT 110/220-GB, External SDLT 160/320-GB, External	Up to 2	External	64-Bit/133-MHz Dual Channel Ultra320 SCSI Adapter
External DAT 72	2 drives per SCSI channel	External	SAN Access Module for Smart Array 5302 Controller 64-Bit/133-MHz Dual Channel Ultra320 SCSI Adapter
MSL5026DLX (40/80GB DLT-based) MSL5026SL (SDLT-based) Library MSL5052SL (SDLT-based) Library MSL5052S2 (SDLT-based) Library MSL5030L1 (LTO-based) Library MSL5060L1 (LTO-based) Library MSL6060L1 (Ultrium 460 - based) Library MSL6030 (LTO Ultrium - based) Library	2 drives per SCSI channel	External	64-Bit/133-MHz Dual Channel Ultra320 SCSI Adapter

Power Specifications

Part Number	280127-001
Spare Kit	305447-001
Operational Input Voltage Range (V rms)	90 - 264
Frequency Range (Nominal) (Hz)	47 - 63 (50/60)

Nominal Input Voltage (Vrms)	100	115	208	220	230	240
Max Rated Output Wattage Rating	325					
Nominal Input Current (A rms)	4.5	3.9	2.1	2.0	1.9	1.8
Max Rated Input Wattage Rating (Watts)	445	442	433	428	425	422
Max. Rated VA (Volt-Amp)	454	451	442	437	434	431
Efficiency (%)	73.1	73.6	75.1	75.9	76.4	77
Power Factor	0.98					
Leakage Current (mA)	0.31	0.36	0.65	0.69	0.72	0.75
Maximum Inrush Current (A peak)	30					
Maximum Inrush Current duration (miliseconds)	20					

System Specifications

ProLiant DL360 Generation 3 Fully Configured

Up to 2 Processors, 4 Memory Slots, 2 Hard Drives, 2 PCI Slots, and 1 Hot Plug Power Supply

	Processor	Memory	HDD	PCI	PS	
DL360 G3 Fully configured	2	4	2	2	1	
Fully Loaded System Input Wattage (W)	361	359	352	348	346	343
Fully Loaded System Thermal (BTU-Hr)	1232	1223	1199	1186	1178	1169
System Leakage with all power supplies loaded (mA)	0.31	0.36	0.65	0.69	0.72	0.75
System Inrush Current with all power supplies loaded (A)	30					
Power cord requirements	Nema 5-15P to IEC320-C13 Option no./Spare no: 293703-001					
	IEC320-C13 to IEC320-C14 Option no./Spare no.: 293703-B21					

NOTES:

* - To review typical system power ratings use the Active Answers Power Calculator which is available via the online tool located at URL:
http://h30099.www3.hp.com/configurator/powercalcs.asp
NOTE: This Web site is available in English only.

To drill down to calculators:
-    Click on: "ProLiant Servers"
-    Click on the Server of interest. Example: DL360 G3
-     Click on: "Power Calculator" link. (You may need to scroll down to see it)

TechSpecs

System Unit	Dimensions (HxWxD)	1.70 x 16.78 x 27.25 in (4.32 x 42.62 x 69.22 cm)	
	Weight	Two hard drives installed, two power supply, two processor	37 lb (16.78 kg)
		No hard drives installed, one power supply, one processor	27.5 lb (12.47 kg)
		Hard drives installed, one power supply, one processor	32.5 lb (4.75 kg)
	Input Requirements	Range Line Voltage	100 to 240 VAC
		Voltage	100 to 120 VAC/200 to 240 VAC
		Rated Input Current	5A (100VAC) to 2.5A (200VAC)
		Rated Input Frequency	50 to 60 Hz
		Rated Input Power	450 W (100VAC) **NOTE:** 450 W of Rated Input Power is for the Maximum Peak Output Power of 325 W.
	BTU Rating	1535 BTUs/hr **NOTE:** The BTU rating listed is for the Rated Input Power of 325 W.	
	Power Supply Output Power (per power supply)	Maximum Peak Power	325 W
		Maximum Peak Output Power	325 W
	Temperature Range	Operating	50° to 95° F (10° to 35° C)
		Shipping	-22° to 122° F (-30° to 50° C)
	Relative Humidity (non-condensing)	Operating	8% to 90%
		Shipping	5% to 95%
	Acoustic Noise	Idle (Fixed Disk Drives Spinning)	
		L_{WAd} (BELS)	6.5
		L_{pAm} (dBA)	51
		Operating (Random Seeks to Fixed Disks)	
		L_{WAd} (BELS)	7.6 **NOTE:** These values apply to ROMs dated after Jan. 31, 2003.
		L_{pAm} (dBA)	59 **NOTE:** These values apply to ROMs dated after Jan. 31, 2003.

1.44-MB Diskette Drive	Size	3.5 in		
	LED Indicators (front panel)	Green		
	Read/Write Capacity per Diskette (high/low density)	1.44 MB/720 KB		
	Drive Supported	One		
	Drive Height	11 mm		
	Drive Rotation	300 rpm		
	Transfer Rate Synchronous (Maximum) (high/low)	500 K/250 K bits/s		
	Bytes/Sector	512		
	Sectors/Track (high/low)	18/9		
	Tracks/Side (high/low)	80/80		
	Access Times	Track-to-Track (high/low)	3/6 ms	
		Average (high/low)	174/94 ms	
		Settling Time	15 ms	
		Latency Average	83/100 ms	
	Cylinders (high/low)	80/80		
	Read/Write Heads	Two		

QuickSpecs

TechSpecs

24X Max (or higher) IDE CD-ROM Drive Slim Line	Disk	Applicable Disk	CD-ROM (Mode 1 and 2)
			CD-DA, CD-XA (Mode 2, Form 1 and 2)
			Photo CD (Single and Multi-session)
			Mixed Mode (Audio and Data combined)
		Capacity	540 MB (Mode 1, 12 cm)
			650 MB (Mode 2, 12 cm)
		Diametre	4.7 in, 3.15 in/12 cm, 8 cm
		Rotational Speed	4200 rpm maximum
		Centre Hole	0.6 in/15 mm diametre
		Thickness	1.2 mm
		Track Pitch	1.6 mm
	Block Size	Mode 1	2,048
		Mode 2	2,340, 2,336, 1,024 bytes
		CD-DA	2,352 bytes
		CD-XA	2,328 bytes
	Interface	IDE (ATAPI)	
	Access Times (typical)	Random	100 ms
		Full-Stroke	2000 ms
	Audio Output Level	Line-Out	0.7 VRMS at 47 kOhms
		Headphone	0.6 VRMS at 32 kOhms (maximum volume)
	Data Transfer Rate	Sustained	150 KB/s (single)
		Burst	2100 to 3600 KB/s
	Cache Buffer	128 KB	
	Start-up Time (typical)	< 7 seconds	
	Stop Time	< 4 seconds	
	Laser Parameters	Type	Semiconductor Laser GaA1As
		Wave Length	780 ± 25 nm
	Operating Conditions	Temperature	41° to 113° F (5° to 45° C)
		Humidity	10% to 80%
	Dimensions	(HxWxD, maximum)	1.69 x 5.75 x 8.19 in (4.29 x 15 x 20.8 cm)
		Weight	2.66 lb (1.2 kg)

Slim Line CD-RW/DVD-ROM 24X Combo Drive (Multibay)	Shipping Dimensions	13.88 x 11.38 x 9.25 in (35.26 x 28.91 x 23.50 cm)	
	Shipping Weight	5 lb (2.27 kg)	
	Disk	**Applicable Disk**	DVD-ROM
			DVD-R (Read Only)
			2.6 GB/side DVD-RAM (Read Only)
			5.2 GB/side DVD-RAM (Read Only)
			CD-ROM Mode-1 data disc
			CD-ROM Mode-2 data disc
			CD Audio disc
			CD-Extra
			CD-RW
			CD-R
			CD Text
			PhotoCD
			CD-I (mode 2)
			CD-I Ready

		CD-Bridge	
Capacity	DVD-ROM	DVD-SL	4.7 GB/side
		DVD-DL	8.5 GB/side
		Double Sided	9.40 GB/side
	DVD-R		3.95 GB/side
	DVD-RAM		2.6 GB/side and 5.2 GB/
	CD-ROM	Mode-1	650 MB (550 MB)
		Mode-2	742 MB (640 MB)
Block Size	DVD		2,048 bytes
	CD		2,352 (Mode-0)
			2352, 2340, 2336, 2048 bytes (Mode-1)
			2352, 2340, 2336, 2048 bytes (Mode-2)
Diameter			120 mm, 80 mm (with adapter at vertical mounting mode)

Loading Mechanism	Tray type		
Interface	EIDE (ATAPI)		
Access Times (typical)	Random	DVD-ROM < 120 ms, CD-ROM < 110 ms	
	Full-Stroke	DVD-ROM < 240 ms, CD-ROM < 160 ms	
Audio Output Level (typical)	Line-out	CD 0.7 Vrms at 47 Kohms Load	
Data Transfer Rate (sustained)	DVD-ROM	Single Layer	10.8 MB/sec. Max.
	DVD-RAM	2.77 MB/sec. Max	
	CD-ROM	7.2 MB/sec. Max.	
Cache Buffer	2 MB		
Spin-up Time (typical)	less than 10 seconds		
MTBF	120,000 Power On Hours (POH)		
Ambient Temperature	Operating	-22° to 140° F (-30° to 60° C)	
Relative Humidity	Operating	10% to 80%	
	Storage/Transportation	5% to 95%	
Dimensions	(HxWxD, maximum)	0.5 x 5.04 x 5.1 in (12.7x128x129.4 mm)	
Option Kit Contents	DVD-ROM drive with installation guide, warranty card, registration card		

Integrated Lights-Out (integrated on system board)	**Architecture**	32-bit PCI-based health and remote management ASIC (Application Specific Integrated Circuit)
	Processor	32-bit RISC processor core running at 66MHz
	Upgradability	Option firmware upgradable via flash ROM.
	Video Support	Utilizes the host server's embedded video chip. Supports VGA/SVGA, 640 x 480 (256 to 16.7 M colors), 800 x 600 (256 to 16.7 M colors), 1024 x 768 (256 to 65K colors), 1280 x 1024 (256 colors)
	Interfaces	One Ethernet network connection (10/100 Mb/s)
	Memory	2-MB Flash ROM 8-MB SDRAM
	Operating System Support	Microsoft Windows NT 4.0 Server Windows NT 4.0 Enterprise Edition Windows 2000 Server Windows 2000 Advanced Server Windows .NET Server Windows .NET Advanced Server Red Hat 7.x SuSE 7.0 Caldera Open Linux Server 3.1 Novell NetWare 5.x, 6.x NOTE: The ProLiant DL360 Generation 3 (G3) does not offer an external SCSI port.
	Client Browser Support	Microsoft Internet Explorer 5.0 or later.
	iLO Standard Features	Virtual Text Remote Console Virtual Power Button Control Dedicated LAN Connectivity Automatic IP Configuration via DHCP/DNS/WINS Industry Standard 128-bit Secure Sockets Layer (SSL) Security IML and iLO Event Logging Support for up to 12 user accounts with customizable access privileges
	iLO Advanced Features	Virtual Graphical Remote Console Virtual Floppy Drive Virtual CD Drive (free upgrade for systems with licensed iLO Advanced)

Smart Array 5i plus Controller (integrated on system board)	**Data Compatible with all Smart Array Controllers**	Yes
	Instant Upgrades to other Smart Array Controllers	Yes
	Consistent Software Manageability Tools	Yes
	PCI-X Bus	64-bit, 100 MHz (integrated on system board)
	PCI-X Peak Data Transfer Rate	800 MB/s
	SCSI Protocols Supported	Ultra3, Ultra2
	SCSI Peak Data Transfer Rate	160 MB/s per channel
		NOTE: For ProLiant servers having TWO internal drive bays on separate SCSI channels: SCSI Peak Data Transfer Rate is 320 MB/s total; 160 MB/s per channel.
	Channels	2
	SCSI Ports (external/internal)	0/1
	Drives Supported (maximum)	Maximum = total number of drives
		NOTE: Maximum is the total number of internal drives on each specific ProLiant server.
	Cache	64 MB Read and/or Write Cache
	Battery-Backed Write Cache	Yes, with installation of Battery-Backed Write Cache Enabler, up to 64MB
	RAID Support	0, 1, 1+ 0, 5
	Logical Drives (maximum)	Maximum = total number of drives
	Online Configuration	Yes
	Online Capacity Expansion	Yes
	Logical Drive Capacity Extension	Yes
	Online Stripe Size Migration	Yes
	Online RAID Level Migration	Yes
	Online Spare Support	Yes
	Automatic Data Recovery	Yes
	Drive Roaming	Yes
	Redundant Controllers	No

TechSpecs

Two NC7781 PCI-X Gigabit NICs (embedded) Server Adapter	Network Interface	10/100/1000-T	
	Compatibility	EEE 802.3 10Base-T IEEE 802.3ab 1000Base-T IEEE 80.3u 100Base-TX	
	Data Transfer Method	64-bit/66MHz PCI-X	
	Network Transfer Rate	10Base-T (Half-Duplex)	10 Mb/s
		10Base-T (Full-Duplex)	20 Mb/s
		100Base-TX (Half-Duplex)	100 Mb/s
		100Base-TX (Full-Duplex)	200 Mb/s
		100Base-TX (Half-Duplex)	1000 Mb/s
		1000Base-TX (Full-Duplex)	2000 Mb/s
	Connector	RJ-45	
	Cable Support	10Base-T	Categories 3, 4 or 5 UTP up to 328 ft (100 m)
		10/100/1000 Base-TX	Category 5 UTP up to 328 ft (100 m)

Video Controller	Controller Chip	ATI RAGE XL	
	Video DRAM	8-MB Video SDRAM	
	Data Transfer Method	32-bit PCI	
	Support Resolution	Supported Color Depths	
		640 x 480	16.7 M, 64K, 256, 16
		800 x 600	16.7 M, 64K, 256, 16
		1024 x 768	16.7 M, 64K, 256, 16
		1152 x 864	16.7 M, 64K, 256, 16
		1280 x 1024	16.7 M, 64K, 256, 16
		1600 x 1200	64K, 256, 16
	Connector	VGA	