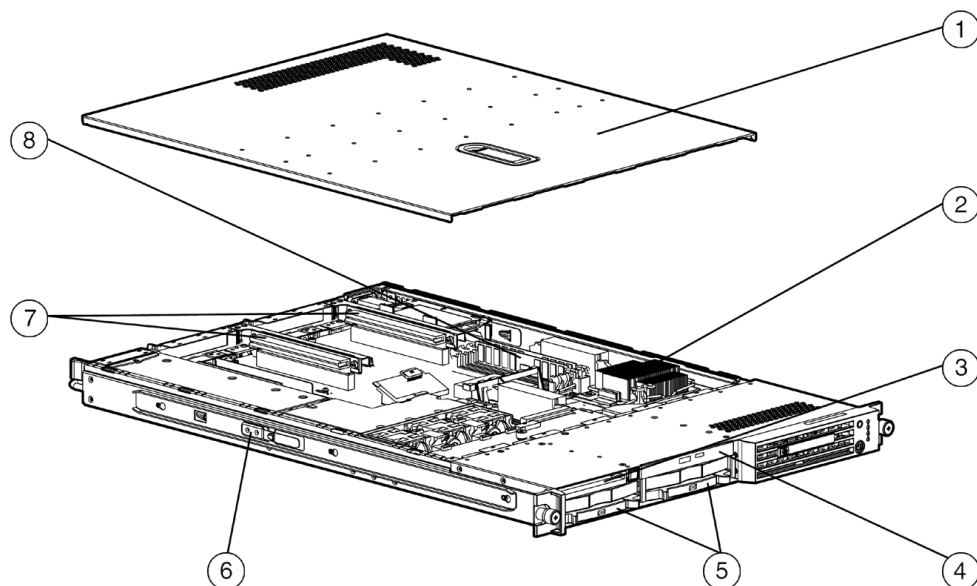


Overview



1. Tool-free cover
2. Processor (one shown, two supported)
3. 1.44-MB Diskette 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 3.2 GHz/533 Processor (dual capability) with 2-MB L3 cache
- Intel Xeon 2.8 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 3.2 GHz/2MB, 3.2 GHz/1MB, 3.06 GHz/1MB, 3.06 GHz/512k, 2.8 GHz/1MB or 2.8 GHz/512k Processors with 533MHz front side bus
- 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 Subscriber's Choice
- 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

One of the following depending on Model

Intel Xeon Processor 3.2 GHz/533MHz -2MB
 Intel Xeon Processor 3.2 GHz/533MHz -1MB
 Intel Xeon Processor 3.06 GHz/533MHz -1MB
 Intel Xeon Processor 2.8 GHz/533MHz -1MB
 Intel Xeon Processor 3.06 GHz/533MHz -512KB
 Intel Xeon Processor 2.8 GHz/533MHz -512KB

Cache Memory

One of the following depending on Model

2-MB Level 3 cache
NOTE: Available with some 3.2 GHz models.
 1-MB Level 3 cache
NOTE: Available with 3.2 GHz, 3.06 GHz, or 2.8 GHz models.
 512-KB Level 2 cache
NOTE: Available with 2.8 GHz, and some 3.06 GHz models.

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>.

Memory

Standard	1 GB (2 x 512-MB) of 2-way interleaved PC2100 DDR SDRAM running at 266MHz
Maximum	8 GB

Network Controller

Two NC7781 PCI-X Gigabit NICs (embedded)

Expansion Slots

I/O (2 Total)		PCI Voltage
64-bit, 100MHz	2 slots	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 Drive	1.44 MB Diskette Drive (fixed)
Optical Drive	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	600 GB (2 x 300 GB Ultra320 SCSI Disk Drive)

Standard Features

Interfaces	Serial	1
	Pointing Device (Mouse)	1
	Graphics	1
	Hot Plug Keyboard	1
	USB	2
	Network RJ-45	2
	iLO remote management port	1

NOTE: Please see the following URL for additional information regarding USB support:
<http://h18004.www1.hp.com/products/servers/platforms/usb-support.html>.

Graphics	Integrated ATI RAGE XL Video Controller with 8-MB SDRAM Video Memory
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Form Factor	Rack (1U), (1.75 in/4.45 cm)
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Standard Features

ProLiant Essentials Foundation Pack Software

HP Systems Insight Manager	HP's new HP Systems Insight Manager (HP SIM) helps maximize system uptime and performance and reduce system maintenance costs by providing proactive notification of problems before those problems result in unplanned downtime or reduced productivity. HP SIM are both easy to set up work with the Insight Management Agents, integrated Light-Out and Remote Insight Light-Outs Edition, and Version Control Agents to deliver robust fault, configuration, and asset management as well as remote administration. With HP SIM customers will also be able to take advantage of role-based security; the ability to manage ProLiant, Integrity, and HP 9000 systems; and plug-ins for storage, client, printer, and power management as well as server rapid deployment, performance management, and workload management. For more details on HP SIM visit http://www.hp.com/go/hpsim .
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 6.10.
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 .
Subscriber's Choice	Subscriber's Choice Driver and Support Alerts/Notifications is a web-based email subscription service that provides automatic delivery of software and driver change notifications for ProLiant products. Sign up at www.hp.com/go/subscriberschoice and customize your profile to receive various new alerts as they become available, on a weekly or monthly basis.
ROMPac, support software, and configuration utilities	The latest software, drivers, and firmware fully optimized and tested for your ProLiant server and options available in SmartStart or downloadable from Software and Drivers download pages, linked from the SmartStart website at www.hp.com/servers/smartstart .
Survey Utility and diagnostics utilities	The most advanced configuration analysis, reporting and troubleshooting utilities used by HP and at your fingertips, available in SmartStart.
Optional ProLiant Essentials Value Packs	Optional software offerings that selectively extend the functionality of an Adaptive Infrastructure to address specific business problems and needs: <ul style="list-style-type: none">● 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/proliantessential>.

Standard Features

Industry Standard Compliance

ACPI 1.0b Compliant
PCI 2.2 Compliant
Microsoft® Logo certifications

Intelligent Manageability

Integrated Lights-Out (iLO) Standard Management

- 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 12 user accounts with customizable access privilege

Integrated Lights-Out (iLO) Advanced Pack (supports Advanced features such as Graphical Remote Console and Virtual Floppy - available as a separate option)

HP Insight Manager 7

HP Systems Insight Manager

Remote Insight Lights-Out Edition II (optional)

ROM-Based Setup Utility (RBSU)

Integrated Management Log (IML)

Server Health logging

Automatic Server Recovery-2 (ASR-2)

System Interconnect Status Indicators

Remote-Flash Redundant ROM

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).)

Power Down Utility

Pre-Failure Warranty (covers processors, as well as hard drives and memory)

Dynamic sector repairing and drive parameter tracking (with Smart Array controllers)

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 server models, an additional low line cord for US

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 fans ship standard

Standard Features

Required Cabling

For required cabling information, refer to the Web site at <http://h18000.www1.hp.com/products/servers/proliantdl360/>.

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: <http://www.hp.com/go/supportos>.

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: For more complete and up-to-date information on how to buy server operating systems from HP please visit the OS product site at: <http://h18004.www1.hp.com/products/servers/software/OEM.html>

Rack Airflow Requirements

Rack 10000 series Cabinets

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

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>.

HP Factory Express Capabilities

HP Factory Express gives you the flexibility to choose from a full menu of factory capabilities all in one manufacturing facility, in one process, with one touch giving you full control and access to HP's World class manufacturing facility anytime. This approach provides you the speed to deploy your IT needs, with total quality assurance, reliability, and predictability to lower your total cost of ownership by letting HP install, rack, and customize your software and hardware options for you.

Standard Features

Service and Support

Three-year limited warranty, including hardware diagnostic support, pre-failure warranty (coverage of hard drives, memory and processors). The warranty is fully supported by HP Services and a worldwide network of resellers and service providers. In addition 90-day's getting started software telephone support may be covered under the warranty or available for an additional fee. Enhancements to warranty services are available through HP Care Pack services.

NOTE: Limited warranty includes 3 year parts, 3 year labor, 3-year on-site support

Care Pack services provide a range of life cycle support options that let you choose the service levels that meet your business requirements, from basic to mission-critical.

A full range of HP Care Pack hardware and software services are available including:

- Installation and start up
- Education courses
- Extended onsite hardware coverage hours from same business day 13 hours, 5 day to 24 hours, 7 days call window with options including 4-hour response or 6-hour Call To Repair
- Comprehensive range of software technical support for Microsoft, Linux, ProLiant Essentials and VMWare-based IT solutions helping to deliver high level of application availability. Response times range from 30 mins for critical problems to 2 hours.
- System Management, Performance Services and Mission Critical Support Solution

HP Care Pack Services include HP branded hardware options qualified for the server, purchased at the same time or afterwards, internal to the enclosure, as well as 22" and smaller external monitors and tower UPS options up to 3KVA. 22" and smaller external monitors will be covered at the same service level and coverage period as the server. For servers or storage systems installed within a rack, service also covers all HP qualified rack options installed within the same rack.

NOTE: For more information on HP Care Pack services, contact any of our worldwide sales offices or resellers or visit our worldwide Web site on the internet at: <http://www.hp.com/hps/carepack>

NOTE: For more complete information on HP Services offerings, customers and resellers, please visit us at: <http://www.hp.com/hps>

NOTE: Additional information regarding worldwide limited warranty and technical support is available at: <http://h18004.www1.hp.com/products/servers/platforms/warranty/index.html>

Models

DL360R03 X3.2-2MB/533, 1GB 353829-001	Processor	(1) Intel Xeon Processor 3.2-GHz/533MHz standard (up to 2 supported)
	Cache Memory	2-MB level 3 cache
	Memory	1-GB (Standard) to 8-GB (Maximum) of 2-way interleaved PC2100 DDR SDRAM running at 266MHz
	Network Controller	Two NC7781 PCI-X Gigabit NICs
	Storage Controller	Smart Array 5i plus Controller (integrated on system board) NOTE: The ProLiant DL360 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 ProLiant 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)
	Diskette Drive	1.44 MB Diskette Drive (fixed)
	PCI-X Slots	1 full length 64bit/100MHz PCI-X slot
	Form Factor	Rack (1U), (1.75 in/4.45 cm)

DL360R03 X3.2-2MB/533, 2GB 353830-001	Processor	(1) Intel Xeon Processor 3.2-GHz/533MHz standard (up to 2 supported)
	Cache Memory	2-MB level 3 cache
	Memory	2-GB (Standard) to 8-GB (Maximum) of 2-way interleaved PC2100 DDR SDRAM running at 266MHz
	Network Controller	Two NC7781 PCI-X Gigabit NICs
	Storage Controller	Smart Array 5i plus Controller (integrated on system board) NOTE: The ProLiant DL360 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 ProLiant 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)
	Diskette Drive	1.44 MB Diskette Drive (fixed)
	Form Factor	Rack (1U), (1.75 in/4.45 cm)

DL360R03 X3.2-1MB/533, 2GB 345102-001	Processor	(1) Intel Xeon Processor 3.2-GHz/533MHz standard (up to 2 supported)
	Cache Memory	1-MB level 3 cache
	Memory	2-GB (Standard) to 8-GB (Maximum) of 2-way interleaved PC2100 DDR SDRAM running at 266MHz
	Network Controller	Two NC7781 PCI-X Gigabit NICs
	Storage Controller	Smart Array 5i plus Controller (integrated on system board) NOTE: The ProLiant DL360 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 ProLiant 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)
	Diskette Drive	1.44 MB Diskette Drive (fixed)
	Form Factor	Rack (1U), (1.75 in/4.45 cm)

Models

DL360R03 X3.2-1MB/533, 1GB 345101-001	Processor	(1) Intel Xeon Processor 3.2-GHz/533MHz standard (up to 2 supported)
	Cache Memory	1-MB level 3 cache
	Memory	1-GB (Standard) to 8-GB (Maximum) of 2-way interleaved PC2100 DDR SDRAM running at 266MHz
	Network Controller	Two NC7781 PCI-X Gigabit NICs
	Storage Controller	Smart Array 5i plus Controller (integrated on system board) NOTE: The ProLiant DL360 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 ProLiant 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)
	Diskette Drive	1.44 MB Diskette Drive (fixed)
	PCI-X Slots	2 full length 64bit/100MHz PCI-X slots
Form Factor	Rack (1U), (1.75 in/4.45 cm)	

DL360R03 X3.06-1MB/533, 1GB 337054-001	Processor	(1) Intel Xeon Processor 3.06-GHz/533MHz standard (up to 2 supported)
	Cache Memory	1-MB level 3 cache
	Memory	1-GB (Standard) to 8-GB (Maximum) of 2-way interleaved PC2100 DDR SDRAM running at 266MHz
	Network Controller	Two NC7781 PCI-X Gigabit NICs
	Storage Controller	Smart Array 5i plus Controller (integrated on system board) NOTE: The ProLiant DL360 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 ProLiant 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)
	Diskette Drive	1.44 MB Diskette Drive (fixed)
	PCI-X Slots	2 full length 64bit/100MHz PCI-X slots
Form Factor	Rack (1U), (1.75 in/4.45 cm)	

DL360R03 X2.8-1MB/533, 1GB 359383-001	Processor	(1) Intel Xeon Processor 2.8-GHz/533MHz standard (up to 2 supported)
	Cache Memory	1-MB level 3 cache
	Memory	1-GB (Standard) to 8-GB (Maximum) of 2-way interleaved PC2100 DDR SDRAM running at 266MHz
	Network Controller	Two NC7781 PCI-X Gigabit NICs
	Storage Controller	Smart Array 5i plus Controller (integrated on system board) NOTE: The ProLiant DL360 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 ProLiant 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)
	Diskette Drive	1.44 MB Diskette Drive (fixed)
	PCI-X Slots	2 full length 64bit/100MHz PCI-X slots
Form Factor	Rack (1U), (1.75 in/4.45 cm)	

Models

DL360R03 X3.06-512KB/533, 1GB 322470-001	Processor	(1) Intel Xeon Processor 3.06-GHz/533MHz standard (up to 2 supported)
	Cache Memory	512-KB level 2 cache
	Memory	1-GB (Standard) to 8-GB (Maximum) of 2-way interleaved PC2100 DDR SDRAM running at 266MHz
	Network Controller	Two NC7781 PCI-X Gigabit NICs
	Storage Controller	Smart Array 5i plus Controller (integrated on system board) NOTE: The ProLiant DL360 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 ProLiant 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)
	Diskette Drive	1.44 MB Diskette Drive (fixed)
	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, 1GB 322471-001	Processor	(1) Intel Xeon Processor 3.06-GHz/533MHz standard (up to 2 supported)
	Cache Memory	512-KB level 2 ECC cache
	Memory	1-GB (Standard) to 8-GB (Maximum) of 2-way interleaved PC2100 DDR SDRAM running at 266MHz
	Network Controller	Two NC7781 PCI-X Gigabit NICs
	Storage Controller	Smart Array 5i plus Controller (integrated on system board) NOTE: The ProLiant DL360 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 ProLiant 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)
	Diskette Drive	1.44 MB Diskette Drive (fixed)
	Form Factor	Rack (1U), (1.75 in/4.45 cm)

DL360R03 X2.8-512KB/533, 1GB 292889-001	Processor	(1) Intel Xeon Processor 2.8-GHz/533MHz standard (up to 2 supported)
	Cache Memory	512-KB level 2 cache
	Memory	1-GB (Standard) to 8-GB (Maximum) of 2-way interleaved PC2100 DDR SDRAM running at 266MHz
	Network Controller	Two NC7781 PCI-X Gigabit NICs
	Storage Controller	Smart Array 5i plus Controller (integrated on system board) NOTE: The ProLiant DL360 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 ProLiant 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)
	Diskette Drive	1.44 MB Diskette Drive (fixed)
	PCI-X Slots	2 full length 64bit/100MHz PCI-X slots
	Form Factor	Rack (1U), (1.75 in/4.45 cm)

Models

DL360R03 X2.8-512KB/533, 1GB 308724-001	Processor	(1) Intel Xeon Processor 2.8-GHz/533MHz standard (up to 2 supported)
	Cache Memory	512-KB level 2 ECC cache
	Memory	1-GB (Standard) to 8-GB (Maximum) of 2-way interleaved capable PC2100 DDR SDRAM running at 266MHz
	Network Controller	Two NC7781 PCI-X Gigabit NICs
	Storage Controller	Smart Array 5i plus Controller (integrated on system board) NOTE: The ProLiant DL360 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 ProLiant 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)
	Diskette Drive	1.44 MB Diskette Drive (fixed)
	PCI-X Slots	1 full length 64bit/100MHz PCI-X slots
	Form Factor	Rack (1U), (1.75 in/4.45 cm)

Options

ProLiant DL360 G3 Unique Options	Intel Xeon 3.2GHz/533MHz-2MB Processor Option Kit	353831-B21
	NOTE: This processor option kit (PN 353831-B21) supports the ProLiant DL360 G3 only.	
	Intel Xeon Processor X3.2 GHz-1MB/533MHz Processor Option Kit	345103-B21
	NOTE: This processor option kit (PN 345103-B21) supports the ProLiant DL360 G3 only.	
	Intel Xeon 3.06GHz/533MHz -1MB L3 Processor Option Kit	337056-B21
	NOTE: This processor option kit (PN 337056-B21) supports the ProLiant DL360 G3 only.	
	Intel Xeon 2.80GHz/533MHz -1MB L3 Processor Option Kit	359384-B21
	NOTE: This processor option kit (PN 359384-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/533MHz-512KB Processor Option Kit	292892-B21
	NOTE: This processor option kit (PN 292892-B21) supports the ProLiant DL360 G3 only.	
	Intel Xeon 2.40 GHz/533MHz-512KB Processor Option Kit	292891-B21
NOTE: This processor option kit (PN 292891-B21) supports the ProLiant DL360 G3 only.		
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	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. Models ship with two power cords: IEC-IEC and country-specific cords.		
325W HP redundant power supply with NEMA cord only	293703-001	
NOTE: The HP ProLiant DL360 G3 ships with an NEMA 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. Models ship with two power cords: NEMA and country-specific cords.		

Options

ProLiant Essentials Value Pack Software	Rapid Deployment Pack, 1 User, V1.x	267196-B21
	NOTE: This license allows 1 server to be managed and deployed via the Deployment Server.	
	Rapid Deployment Pack, 10 Users, V1.x	269817-B21
	NOTE: This license allows 10 servers to be managed and deployed via the Deployment Server.	
	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
	Performance Management Pack, single server	306696-B21
	NOTE: This license allows 1 server to be managed by Performance Management Pack.	
	ProLiant Essentials Performance Management Pack, 10 Pack Server License	374055-B21
	Performance Management Pack, flexible license kit	306697-B21
	NOTE: A single pack is shipped with a single license key for the total number of licenses ordered	
	ProLiant Essentials Intelligent Networking Pack, 1 License	372906-B21
	ProLiant Essentials Intelligent Networking Pack Flex License	372950-B21
	ProLiant Essentials Intelligent Networking Pack Track License	372951-B21
	ProLiant Essentials Virtual Machine Management Pack, Single-Server License	372214-B21
	NOTE: For use with a single server. Contains one license with a unique license activation key and documentation.	
	ProLiant Essentials Virtual Machine Management Pack, Flexible-Quantity License	372215-B21
NOTE: For use with multiple servers. This part number can be used to purchase multiple licenses with a single activation key.		
ProLiant Essentials Virtual Machine Management Pack, Tracking License	372216-B21	
NOTE: For use with signed and implemented Activation Key Agreements only. Purchase of this part number entitles the customer to deploy additional licenses of the product under the terms of the existing Activation Key Agreement.		
ProLiant Essentials Vulnerability and Patch Management Pack, Single-Server License	371645-B21	
ProLiant Essentials Vulnerability and Patch Management Pack, 10-Server License	372029-B21	
ProLiant Essentials Vulnerability and Patch Management Pack, Flexible-Quantity License	371646-B21	
ProLiant Essentials Vulnerability and Patch Management Pack, Tracking license for new servers	371647-B21	
ProLiant Essentials Vulnerability and Patch Management Pack, Tracking license for installed servers	378372-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 .		
Software	HP digital asset protection	302316-001

Options

Processor	Intel Xeon 3.2GHz/533MHz-2MB Processor Option Kit	353831-B21
	NOTE: This processor option kit (PN 353831-B21) supports the ProLiant DL360 G3 only.	
	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 2.80GHz/533MHz -1MB L3 Processor Option Kit	359384-B21
	NOTE: This processor option kit (PN 359384-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 Combo Option Kit	331903-B21
	Slimline DVD-ROM Drive (8X/24X) Option Kit (Servers)	264007-B21

Hard Drives	Ultra320 – Universal Hot Plug	
	NOTE: The DL360 G3 only supports U320 Universal Hot Plug drives.	
	300-GB 10,000 rpm U320 Universal Hard Drive (1")	350964-B22
	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
	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
	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_na/11531_na.HTML	

Options

Storage Controllers	Battery Backed Write Cache Enabler Option Kit	255514-B21
	Smart Array 6402/128 Controller	273915-B21
	NOTE: For support of external drives only.	
	Smart Array 6404/256 Controller	273914-B21
	NOTE: For support of external drives only.	
	Smart Array 642 Controller	291967-B21
	NOTE: For support of external drives only.	
	128-MB Cache Module for Smart Array 5302 Controller	153506-B21
	256-MB Battery-Backed Cache Module	254786-B21
	NOTE: This 256-MB Battery-Backed Cache Module supports the Smart Array 5300 series controllers, HP StorageWorks Smart Array 1000 and the HP StorageWorks Modular Smart Array 500.	
	256MB DDR, Battery-Backed Cache Upgrade Kit for SA-6400	273913-B21
	NOTE: This 256-MB Battery-Backed Cache Module upgrade kit supports the Smart Array 6400 series controller only.	
	128MB Battery-Backed Cache Enabler	351580-B21
	NOTE: This 128MB BBWC supports the Smart Array 641 Controller and Smart Array 642 Controller.	
	64-Bit/133-MHz Dual Channel Ultra320 SCSI Adapter	268351-B21
NOTE: For support of external drives only.		
Ultra320 Expansion Module for SA-6402	273911-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/10640_na/10640_na.HTML (Smart Array 5300 Series)		
http://h18000.www1.hp.com/products/quickspecs/11587_na/11587_na.HTML (Smart Array 6400 Series)		
http://h18000.www1.hp.com/products/quickspecs/12069_na/12069_na.HTML (Smart Array 642)		
http://h18000.www1.hp.com/products/quickspecs/10429_na/10429_na.HTML (SCSI Adapter)		
http://h18000.www1.hp.com/products/quickspecs/11555_na/11555_na.HTML (U320 Adapter)		
Communications	NC1020 Cu Gigabit Server Adapter 32 PCI Single Port	353377-B21
	NC6170 Dual Port PCI-X 1000SX Gigabit Server Adapter	313879-B21
	NC6770 PCI-X Gigabit Server Adapter, 1000-SX	244949-B21
	NC7170 Dual Port PCI-X 1000T Gigabit Server Adapter	313881-B21
	NC7771 PCI-X 10/100/1000-T Server Adapter	290563-B21
	NOTE: Any NIC on the option list can be used for redundancy with the embedded NC7781 Network Controller	
Management Options	Remote Insight Lights-Out Edition II	227251-001
Security	HP/Atalla AXL600L SSL Accelerator Card for ProLiant Servers	524545-B21
	AXL300 Accelerator PCI Card (HW SSL Encryption) for ProLiant Servers	227933-B21

Options

Tape Drives

External, and Rack-Mount Ultrium Tape Drives

HP StorageWorks Ultrium 215 Tape Drive, External (Carbon)	Q1545A
HP StorageWorks Ultrium 215 rack-mount (Carbon) - Single drive installed in a 3U rack-mount kit	350544-B21
HP StorageWorks Ultrium 215 Array Module (Carbon) - Offline hot-swap drive for Tape Array 5300	C7492B
HP StorageWorks Ultrium 230 Tape Drive, External (Carbon)	Q1517A
HP StorageWorks Ultrium 230, Rack-mount (Carbon) - Single drive installed in a 3U rack-mount kit	350545-B21
HP StorageWorks Ultrium 230 Array Module (Carbon) - Offline hot-swap drive for Tape Array 5300	C7470B
HP StorageWorks Ultrium 460 Tape Drive, External (Carbon)	Q1520A
HP StorageWorks Ultrium 460, Rack-mount (Carbon) - Single drive installed in a 3U rack-mount kit	350546-B21
HP StorageWorks Ultrium 460 Array Module (Carbon) - Offline hot-swap drive for Tape Array 5300	Q1512B
HP StorageWorks Ultrium 960 Tape Drive, External (Carbonite)	Q1539A
HP StorageWorks Ultrium 960 Rack-mount (Carbonite) - Single drive installed in a 3U rack-mount kit	Q1595A

NOTE: Please see the HP StorageWorks Ultrium Tape Drive QuickSpecs for additional options such as controllers, media, and other related items:

http://h18006.www1.hp.com/products/quickspecs/11739_na/11739_na.html

http://h18006.www1.hp.com/products/quickspecs/12128_na/12128_na.html

For an up-to-date listing of the latest O/S and software support details for HP Ultrium tape drives, please visit: <http://www.hp.com/go/connect>

External and Array Module DAT Drives

HP StorageWorks DAT 72 Tape Drive, External (Carbon)	Q1523A
HP StorageWorks DAT 72 Array Module (Carbon) - Offline hot-swap drive for Tape Array 5300	Q1524B
HP StorageWorks DAT 40 Tape Drive, External (Carbon)	C5687C
HP StorageWorks DAT 40 Array Module (Carbon) - Offline hot-swap drive for Tape Array 5300	C7497B
HP StorageWorks DAT 24e Tape Drive, External (Flint)	C1556D
HP StorageWorks DAT 24 Array Module (Carbon) - Offline hot-swap drive for Tape Array 5300	C7498A

NOTE: Please see the DAT Tape Drive QuickSpecs for controllers, media, and other options:

http://h18000.www1.hp.com/products/quickspecs/11883_na/11883_na.HTML

For an up-to-date listing of the latest O/S and software support details for HP DAT drives, please visit: <http://www.hp.com/go/connect>

External DLT VS Tape Drives

HP StorageWorks DLT VS80 Tape Drive, External (Carbon)	337699-B22
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NOTE: Please see the DLT VS80 Tape Drive QuickSpecs for additional options such as host bus adapters, controllers, media, and other options:

http://h18006.www1.hp.com/products/quickspecs/11403_na/11403_na.HTML

For an up-to-date listing of the latest O/S and software support details for the DLT VS80, please visit: <http://www.hp.com/go/connect>

External SDLT Tape Drives

HP StorageWorks SDLT 320 Tape Drive, External (Carbon)	257319-001
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NOTE: Please see the SDLT 320 Tape Drive QuickSpecs for additional options such as adapters, controllers, and media.

http://h18006.www1.hp.com/products/quickspecs/11840_na/11840_na.HTML

For an up-to-date listing of the latest O/S and software support details for HP SDLT tape drives, please visit: <http://www.hp.com/go/connect>

Rack-Mount Tape Drive Enclosures

HP StorageWorks 1U Rack-Mount Kit	A7445A
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NOTE: The 1U Rack-mount Kit can support up to 2 half-height tape drives and compatible with multiple Single-Ended and LVD SCSI tape drives including DAT 24, DAT40, DAT72, DLT VS 80, and Ultrium 215 tape drives.

HP StorageWorks 3U Rack-Mount Kit	274338-B21
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Options

NOTE: The 3U Rack-Mount Kit can support up to 2 full-height or 4 half-height tape drives and compatible with multiple Single-Ended and LVD SCSI tape drives including DAT, DLT VS80, SDLT 320, Ultrium 215, Ultrium 230, and Ultrium 460 Tape Drives.

HP StorageWorks 5U Rack-Mount Kit

274339-B21

NOTE: The 5U Rack-Mount Kit can support up to 4 full-height tape drives and is compatible with SDLT 320, Ultrium 230, and Ultrium 460 tape drives.

NOTE: Please see the Rack-Mount Tape Drive Kits QuickSpecs for additional information regarding these kits:

http://h18000.www1.hp.com/products/quickspecs/10854_na/10854_na.HTML

HP StorageWorks Tape Array 5300

C7508A

NOTE: The Tape Array 5300 is a 3U enclosure that supports up to 2 full-height or 4 half-height hot-swap array modules, including DAT and Ultrium tape drives. Cables and terminators are not included and must be ordered separately.

NOTE: Please see the Tape Array 5300 QuickSpecs for additional information regarding this product.

http://h18000.www1.hp.com/products/quickspecs/11878_na/11878_na.HTML

Accessories for 3U & 5U Rack-mount Tape Drive Kits

LVD Cable Kit, VHDCI/HD68

168048-B21

NOTE: For use with the 3U Rack-mount Kit and 5U Rack-mount Kit only.

LVD Cable Kit, HD68/HD68

242381-B21

NOTE: For use with the 3U Rack-mount Kit and 5U Rack-mount Kit only.

Accessories for 3U & 5U Rack-mount Tape Drive Kits

PSU/Fan Upgrade Kit - Redundant hot-swap power supply unit and fan for Tape Array 5300.

68-pin HD multi-mode terminator

C2364A

1.0m 68-pin VHDCI to 68-pin HD cable

C2361B

2.5m 68-pin VHDCI to 68-pin HD cable

C2362B

5.0m 68-pin VHDCI to 68-pin HD cable

C2365A

10.0m 68-pin VHDCI to 68-pin HD cable

C2363B

0.5m 68-pin HDI to 68-pin HD cable LVD/SE

C2978B

1.5m 68-pin HDI to 68-pin HD cable LVD/SE

C2979B

0.9m 68-pin HDI to 68-pin HD cable LVD/SE

C2911C

2.5m 68-pin HDI to 68-pin HD cable LVD/SE

C2924C

NOTE: For use with Tape Array 5300 only

Options

Tape Autoloaders	<p>DAT Autoloader</p> <p>HP StorageWorks DAT 72x6 External Autoloader Q1567A</p> <p>NOTE: Please see the DAT Tape Autoloader QuickSpecs for additional options such as host bus adapters, controllers and media: http://h18000.www1.hp.com/products/quickspecs/11985_na/11985_na.HTML</p> <p>HP StorageWorks 1/8 Tape Autoloader</p> <p>1/8 Ultrium 460 Tape Autoloader, Tabletop AA927A</p> <p>1/8 SDLT 320 Tape Autoloader, Tabletop AA926A</p> <p>1/8 Ultrium 230 Tape Autoloader, Tabletop C9572CB</p> <p>1/8 DLT VS80 Tape Autoloader, Tabletop C9264CB</p> <p>1/8 Tape Autoloader Rackmount Kit C9268R</p> <p>NOTE: Required to install the 1/8 tape autoloader in a standard 19-inch rack</p> <p>NOTE: Please reference the 1/8 Tape Autoloader QuickSpecs at http://www.hp.com/go/automation for additional information needed to create a complete solution; reference current compatibility information at http://www.hp.com/go/ebs</p> <p>HP StorageWorks SSL1016 Tape Autoloader</p> <p>SSL1016 Ultrium 460 Tape Autoloader 330821-B21</p> <p>SSL1016 SDLT 320 Tape Autoloader 330816-B21</p> <p>NOTE: Please reference the SSL1016 Tape Autoloader QuickSpecs at http://www.hp.com/go/automation for additional information needed to create a complete solution; reference current compatibility information at http://www.hp.com/go/ebs.</p>
Tape Libraries	<p>HP StorageWorks MSL6000 Tape Library</p> <p>MSL6030, 1 drive, 30 slots, Ultrium 460, RM 330731-B22</p> <p>MSL6030, 2 drive, 30 slots, Ultrium 460, RM 330731-B23</p> <p>MSL6030, 1 drive, 30 slots, Ultrium 460, RM with embedded FC router 330731-B24</p> <p>MSL6030, 2 drive, 30 slots, Ultrium 460, RM with embedded FC router 330731-B25</p> <p>MSL6030, 1 drive, 30 slots, Ultrium 460, TT 330788-B21</p> <p>MSL6030, 2 drive, 30 slots, Ultrium 460, TT 330788-B22</p> <p>MSL6060, 2 drive, 60 slot, Ultrium 460, RM 331196-B21</p> <p>MSL6060, 2 drive, 60 slot, Ultrium 460, RM with embedded FC router 331196-B22</p> <p>MSL6060, 2 drive, 60 slot, Ultrium 460, TT 331195-B21</p> <p>NOTE: Please reference the MSL6000 Tape Library QuickSpecs at http://www.hp.com/go/automation for additional information needed to create a complete solution; reference current compatibility information at http://www.hp.com/go/ebs.</p> <p>HP StorageWorks MSL5026S2 Tape Library</p> <p>MSL5026S2, 1 drive, 26 slots, SDLT 320, RM</p> <p>MSL5026S2, 2 drive, 26 slots, SDLT 320, RM</p> <p>MSL5026S2, 1 drive, 26 slots, SDLT 320, RM with embedded FC router</p> <p>MSL5026S2, 2 drive, 26 slots, SDLT 320, RM with embedded FC router</p> <p>MSL5026S2, 1 drive, 26 slots, SDLT 320, TT</p> <p>MSL5026S2, 2 drive, 26 slots, SDLT 320, TT</p> <p>NOTE: Please reference the MSL5026S2 Tape Library QuickSpecs at http://www.hp.com/go/automation for additional information needed to create a complete solution; reference current compatibility information at http://www.hp.com/go/ebs.</p> <p>HP StorageWorks MSL5052S2 Tape Library</p>

Options

MSL5052S2, 2 drive, 52 slots, SDLT 320, RM

MSL5052S2, 2 drive, 52 slots, SDLT 320, RM with embedded FC router

MSL5052S2, 2 drive, 52 slots, SDLT 320, TT

NOTE: Please reference the MSL5052S2 Tape Library QuickSpecs at <http://www.hp.com/go/automation> for additional information needed to create a complete solution; reference current compatibility information at <http://www.hp.com/go/ebs>.

HP StorageWorks MSL5030 Tape Library

MSL5030, 1 drive, 30 slots, Ultrium 230, RM 301897-B22

MSL5030, 2 drive, 30 slots, Ultrium 230, RM 301897-B23

MSL5030, 2 drive, 30 slots, Ultrium 230, RM with embedded FC router 301897-B24

MSL5030, 2 drive, 30 slots, Ultrium 230, RM with embedded FC router 301897-B25

MSL5030, 1 drive, 30 slots, Ultrium 230, TT 301898-B21

MSL5030, 2 drive, 30 slots, Ultrium 230, TT 301898-B22

NOTE: Please reference the MSL5030 Tape Library QuickSpecs at <http://www.hp.com/go/automation> for additional information needed to create a complete solution; reference current compatibility information at <http://www.hp.com/go/ebs>.

HP StorageWorks MSL5060 Tape Library

MSL5060, 2 drive, 60 slots, Ultrium 230, RM 301899-B22

MSL5060, 2 drive, 60 slots, Ultrium 230, RM with embedded FC router 301899-B23

MSL5060, 2 drive, 60 slots, Ultrium 230, TT 301900-B21

NOTE: Please reference the MSL5060 Tape Library QuickSpecs at <http://www.hp.com/go/automation> for additional information needed to create a complete solution; reference current compatibility information at <http://www.hp.com/go/ebs>.

HP StorageWorks ESL E-Series Tape Libraries

ESL Extended 712e Tape Library, 0 drive, 712 LTO slots AA934B

ESL Extended 630e Tape Library, 0 drive, 630 SDLT slots AA935B

ESL Extended 322e Tape Library, 0 drive, 322 LTO slots AA939B

ESL Extended 286e Tape Library, 0 drive, 286 SDLT slots AA940B

ESL E-Series Ultrium 460 drive kit AA937A

ESL E-Series Ultrium 460-FC drive kit AA941A

ESL E-Series SDLT 320 drive kit AA936A

ESL E-Series e2400-FC 2G Interface Controller AA928A

NOTE: Please reference the ESL E-Series Tape Libraries QuickSpecs at <http://www.hp.com/go/automation> for additional information needed to create a complete solution; reference current compatibility information at <http://www.hp.com/go/ebs>.

HP StorageWorks ESL9000 Series Tape Libraries

ESL9595 Extended Tape Library, 0 drive, 400 slots (card cage, Interface Mgr card, Command View license) 343378-B21

ESL9322 Extended Tape Library, 0 drive, 222 slots (card cage, Interface Mgr card, Command View license) 343377-B21

ESL9000 Ultrium 460 drive kit 330834-B21

ESL9000 Ultrium 230 drive kit 301930-B21

ESL9000 SDLT 320 drive kit 293414-B21

NOTE: Please reference the ESL9000 Series Tape Libraries QuickSpecs at <http://www.hp.com/go/automation> for additional information needed to create a complete solution; reference current compatibility information at <http://www.hp.com/go/ebs>.

Options

Magneto-Optical Jukeboxes	HP StorageWorks 9.1 GB Mid-range Optical Jukeboxes	
	300mx, 2 drive, 32 slot jukebox	C1150M
	600mx, 4 drive, 64 slot jukebox	C1160M
	700mx, 2 drive, 76 slot jukebox	C1170M
	NOTE: Please reference the Magneto-Optical Jukebox data sheets at http://www.hp.com/go/optical for additional information needed to create a complete solution.	
	HP StorageWorks 9.1 GB High-end Optical Jukeboxes	
	1200mx, 4 drive, up to 128 slots	C1104M
	2200mx, 4 drive, up to 238 slots	C1105M
	2200mx, 4 drive, up to 238 slots	C1111M
	2200mx, 6 drive, up to 238 slots	C1107M
	2200mx, 10 drive, up to 238 slots	C1110M
	Ultra Density Optical Jukeboxes	
1000ux, 2 drive, 32 slot jukebox	AA965A	
1900ux, 4 drive, 64 slot jukebox	AA966A	
1900ux, 4 mixed drive, 64 slot jukebox	AA968A	
2300ux, 2 drive, 76 slot jukebox	AA967A	
3800ux, 4 drive, 128 slot jukebox	AA969A	
3800ux, 6 drive, 128 slot jukebox	AA970A	
7100ux, 4 drive, 238 slot jukebox	AA973A	
7100ux, 10 drive, 238 slot jukebox	AA972A	
7100ux, 6 mixed drive, 238 slot jukebox	AA974A	

Power Cords	NOTE: The 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. Models will ship with two power cords: IEC-IEC (142257-002) and C13-Nema 5-15P (103541-001) cords.
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External Storage - Rack	HP StorageWorks Modular Smart Array 30 SB	302969-B21
	NOTE: Rack-mountable 14 drive enclosure with single bus, redundant power supplies.	
	HP StorageWorks Modular Smart Array 30 DB	302970-B21
	NOTE: Rack-mountable 14 drive enclosure with dual bus, redundant power supplies.	
	NOTE: The Modular Smart Array Enclosure 30 Family supports the Wide Ultra3, Ultra320 1" Hot Plug Hard Drives.	
	StorageWorks Modular Smart Array 30 OpenView Storage Mirroring HA Kit	359079-B21
	Redundant Power Supply 499W	338296-B21
Ultra320 Single Bus I/O Module for MSA30	287484-B21	
Ultra320 Dual Bus I/O Module for MSA30	287483-B21	

HP StorageWorks Modular Smart Array 1500	Modular Smart Array 1500 Controller Shelf	AA986A
	NOTE: Please see the StorageWorks Modular SAN Array 1500 QuickSpecs for additional options and configuration information at: http://www.hp.com/go/MSA1500cs	

HP StorageWorks Modular Smart Array 1000	HP StorageWorks Modular Smart Array 1000	201723-B22
	NOTE: Please see the Modular Smart Array 1000 QuickSpecs for additional options and configuration information at http://h18000.www1.hp.com/products/quickspecs/11033_na/11033_na.HTML	



Options

StorageWorks Modular Array 8000/Enterprise Modular Array 12000	StorageWorks SAN Director 64 NOTE: Please see the StorageWorks SAN Director 64 QuickSpecs for additional information: http://h18000.www1.hp.com/products/quickspecs/11003_na/11003_na.HTML	254512-B21
StorageWorks Options	64-bit/66-MHz Fibre Channel Host Adapter NOTE: The 64-bit/66-Mhz Fibre Channel Host Adapter has been qualified for use with the HP RAID Array 4000 family of products, the Enterprise Backup Solution, and the RAID Array 8000 under NetWare.	120186-B21
	StorageWorks Director 2/64 NOTE: Please see the StorageWorks Director 2/64 QuickSpecs for additional information: http://h18000.www1.hp.com/products/quickspecs/11003_na/11003_na.HTML	286809-B21
	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
HP StorageWorks Modular Smart Array 500	HP StorageWorks Modular Smart Array 500 Generation 2 NOTE: Please see the Modular Smart Array 500 Generation 2 QuickSpecs for additional information including configuration steps and additional options needed for a complete solution at: http://h18000.www1.hp.com/products/quickspecs/11956_na/11956_na.HTML	335880-B21

Options

Cluster Options	<p>ProLiant Cluster Starter Kit 364023-B21</p> <p>NOTE: For additional information regarding the ProLiant Cluster Starter Kit please see the following QuickSpecs at: http://h18000.www1.hp.com/products/quickspecs/11935_na/11935_na.html</p> <p>ProLiant Cluster Kit with OpenView Storage Mirroring 364025-B21</p> <p>NOTE: For additional information regarding the ProLiant Cluster Kit with OpenView Storage Mirroring please see the following QuickSpecs at: http://h18000.www1.hp.com/products/quickspecs/11934_na/11934_na.html</p> <p>ProLiant Cluster HA/F200 for the Entry Level SAN 364026-B21</p> <p>NOTE: For additional information regarding the ProLiant Cluster for Entry Level SAN please see the following QuickSpecs at: http://h18000.www1.hp.com/products/quickspecs/11932_na/11932_na.html</p> <p>ProLiant Cluster HA/F500 for the Enterprise SAN 364024-B21</p> <p>NOTE: For additional information regarding the ProLiant Cluster HA/F500 for Enterprise SAN please see the following QuickSpecs at: http://h18000.www1.hp.com/products/quickspecs/11933_na/11933_na.html</p> <p>HP Serviceguard for Linux ProLiant Cluster (2 node license cluster kit for Red Hat AS 2.1) A.11.14 305199-B22</p> <p>NOTE: Kit includes 2 licenses, documentation and an Ethernet crossover cable.</p> <p>HP Serviceguard for Linux ProLiant Cluster (2 node license cluster kit) A.11.15 305199-B24</p> <p>NOTE: Kit includes 2 licenses, documentation and an Ethernet crossover cable.</p> <p>HP Serviceguard for Linux (single license version for ordering flexibility and to ease ordering for larger cluster for Red Hat AS 2.1) A.11.14 307754-B22</p> <p>NOTE: Kit includes single license version and documentation.</p> <p>HP Serviceguard for Linux (single license version for ordering flexibility and to ease ordering for larger cluster) A.11.15 307754-B24</p> <p>NOTE: Kit includes single license version and documentation.</p> <p>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</p>
UPS Power Cord Matrix	<p>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.</p>
Uninterruptible Power Systems – Rack Mountable	<p>HP UPS R1500 XR (1440VA, 1340 Watt), Low Voltage 204404-001</p> <p>HP UPS R3000 XR (2880VA, 2700 Watt), Low Voltage 192186-001</p> <p>HP UPS R3000 XR (3000VA, 2700 Watt), High Voltage 192186-002</p> <p>HP UPS R5500 XR, (5000VA, 4500 Watt), High Voltage 326529-D71</p> <p>Rack-Mountable UPS R6000 (6000VA, 6000 Watt) High Voltage 347207-001</p> <p>HP UPS R12000 XR, N+ x (12KVA, 12KW) High Voltage 207552-B22</p> <p>NOTE: UPS R6000 has a hardwired input; and the UPS R12000 XR has a hardwired input and output connection.</p>
HP Power Distribution Unit with Power Monitoring	<p>HP Power Distribution Unit with Power Monitoring Model S2324 - dual input, 3 phase, 24A 370959-D71</p> <p>HP Power Distribution Unit with Power Monitoring Model S1324 - single input, 3 phase, 24A 370960-D71</p> <p>HP Power Distribution Unit with Power Monitoring Model S2140 - dual input, 1 phase, 40A 370961-D71</p> <p>HP Power Distribution Unit with Power Monitoring Model S1140 - single input, 1 phase, 40A 370962-D71</p>

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)	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)	252663-D72	
	HP Modular Power Distribution Units (mPDU), High Volt Model, 40A (200-240 VAC)	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)	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		
USB Options	USB Optical Scroll Mouse (Carbonite)	DD441B	
	USB 1.44-MB External Diskette Drive (Carbonite)	DC141B	
	USB Easy Access Keyboard (Carbonite/Silver)	DC168B#ABA	
Customer Builder	Please see the Enterprise Configurator for configuration assistance at: www.hp.com/products/configurator .		
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. Models ship with two power cords: IEC-IEC and country-specific cords.		
	325W HP redundant power supply	293703-001	
	NOTE: The HP ProLiant DL360 G3 ships with an NEMA 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. Models ship with two power cords: NEMA and country-specific cords.		
	Vertical-Mount PDU Bracket with High Voltage Cables	166097-B21	
	NOTE: In order to deploy a HP 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 HP Rack Solution Overview whitepaper at http://www.compaq.com/support/techpubs/index.html for more information.		
	Vertical-Mount PDU Bracket	191265-B21	
	NOTE: In order to deploy a HP 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 HP Rack Solution Overview whitepaper at http://www.compaq.com/support/techpubs/index.html for more information.		
Third Party Rack Kit	Rack Adapter Kit	332815-B21	
	NOTE: This kit allows HP rack servers to fit in racks that are 24" wide.		

Options

HP Rack 10000 Series (Graphite Metallic)	10642 (42U) Infrastructure Rack (Low Voltage)	379006-001
	10642 (42U) Infrastructure Rack (High Voltage)	379005-001
	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 HP 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_na/10995_na.HTML

NOTE: For additional information regarding Rack Cabinets, please see the following URL:

<http://h18000.www1.hp.com/products/servers/proliantstorage/rack-ptions/index.html>.

Rack Options for Rack 10000 Series	HP Rack Light Kit (Neon)	361589-B21
	HP Rack Plinth Kit (Carbon)	251960-B21
	Baying/Coupling Kit	120669-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 .	
	Depth Adjustable Fixed Rail	332558-B21
	Cable Management D-Rings Kit	168233-B21
TFT5600 Rack Keyboard Monitor	221546-001	

NOTE: For additional information regarding Rack Cabinets, please see the following URL:

<http://h18000.www1.hp.com/products/servers/proliantstorage/rack-ptions/index.html>.

Options

HP KVM Switch Options	Server Console Switch (KVM), 0 x 1 x 8 port	336044-B21	
	Server Console Switch (KVM), 0 x 2 x 16 port	336045-B21	
	IP Console Switch Box (KVM/IP), 1 x 1 x 16	262585-B21	
	IP Console Switch Box (KVM/IP), 3 x 1 x 16	262586-B21	
	HP 1x4 USB/PS2 KVM Switch, TT	371301-D71	
	PS/2 Interface Adapter, 8 pack	262587-B21	
	PS/2 Interface Adapter, 1 pack	262588-B21	
	CAT5 KVM Expansion Module	262589-B21	
	Serial Interface adapter - 1 Pack with power supply	373035-B21	
	CAT5e Cable 3', 4 pack	263474-B21	
	CAT5e Cable 6', 8 pack	263474-B22	
	CAT5e Cable 12', 8 pack	263474-B23	
	CAT5e Cable 20', 4 pack	263474-B24	
	CAT5e Cable 40', 1 pack	263474-B25	
	<p>NOTE: For additional information regarding HP KVM Switches and options, please see the following URL: http://h18004.www1.hp.com/products/servers/proliantstorage/rack-options/list.html#console</p>		
	HP Factory Express	Factory Installation, Racking, and Customization Services	
Factory Express Server Configuration Level 1		293355-888	
<p>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.</p>			
Factory Express Server Configuration Level 2		266326-888	
<p>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).</p>			
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	
<p>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/rack).</p>			
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	
<p>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).</p>			
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	
<p>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).</p>			
<p>NOTE: Factory Express Engineered Solution Level 6 is a custom solutions available through Factory Express. Please contact your local reseller or Account Manager.</p>			

Options

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	U4496A
	4-Hour On-site Service, 5-Day x 13-Hour Coverage, 3 Years, Electronic	U4496E
	4-Hour On-site Service, 7-Day x 24-Hour Coverage, 3 Years	U4497A
	4-Hour On-site Service, 7-Day x 24-Hour Coverage, 3 Years, Electronic	U4497E
	6-Hour Call to Repair, On-site Service, 7-Day x 24-Hour Coverage, 3 Years	U4498A
	6-Hour Call to Repair, On-site Service, 7-Day x 24-Hour Coverage, 3 Years, Electronic	U4498E
	Hardware Services Next Business Day On-Site Service	
	Hardware Installation	U4506A
	Hardware Installation, Electronic	U4506E
	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.	U4507A
	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, Electronic	U4507E
	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.	U4508A
	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, Electronic	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.	U4510A
	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, Electronic	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.	U4509A
	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, Electronic	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.	U4511A
	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, Electronic	U4511E
	HP Care Pack 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 Canada)	FM-N04E1-36	
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	

Options

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>.

Memory

HP ProLiant DL360 G3 3.2GHz/2MB Models

Standard Memory

2048-MB PC2100-MHz Registered DDR SDRAM DIMM installed (2 x 1024-MB SDRAM DIMM)

Standard Memory Plus Optional Memory

Up to 6144-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	2048 MB	1024 MB	1024 MB	Empty	Empty
Optional	6144 MB	1024 MB	1024 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 2.8GHz/512, 2.8GHz/1MB, 3.06GHz/512MB, 3.06GHz/1MB and 3.2GHz/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

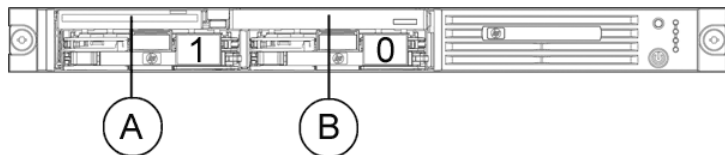
NOTE: Chart does not represent all possible configurations.

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

Storage



- 1,0 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	Smart Array 5i plus Controller (integrated on system board)
300-GB 10,000 rpm			NOTE: The ProLiant DL360 G3 does not offer an external SCSI port.
145.6-GB 10,000 rpm			Smart Array 6402/128 Controller
72.8-GB 10,000 rpm			Smart Array 6404/256 Controller
72.8-GB 15,000 rpm			Smart Array 5312 Controller
36.4-GB 15,000 rpm			Smart Array 642 Controller
			64-Bit/133-MHz Dual Channel Ultra320 SCSI Adapter

Storage

External Storage

	Quantity Supported	Position Supported	Host Controller or Adapter
Modular Smart Array 30 Family	Up to 13	External	Smart Array 6402/128 Controller Smart Array 6404/256 Controller Smart Array 642 Controller 64-Bit/133-MHz Dual Channel Ultra320 SCSI Adapter 64-Bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter, Alternate OS
Modular Smart Array 500 System	1	External	Smart Array 532 Controller (used as Host Bus Adapter) Please see the Modular Smart Array 500 QuickSpecs for the latest list of supported HBAs: http://www.hp.com/go/msa500
Modular Smart Array 1000	Please see the Modular Smart Array 1000 QuickSpecs below to determine configuration requirements	External	Please see the Modular Smart Array 1000 QuickSpecs (URL below) for the latest list of supported HBAs
Modular Smart Array 1500 cs	Please see the Modular Smart Array 1500 cs QuickSpecs below to determine configuration requirements	External	Please see the Modular Smart Array 1500 cs QuickSpecs (URL below) for the latest list of supported HBAs

Modular Smart Array 1000: http://h18000.www1.hp.com/products/quickspecs/11033_na/11033_na.HTML

Modular Smart Array 1500: <http://www.hp.com/go/MSA1500cs>

Maximum Storage Capacity (SCSI Enclosure Attached)

Internal	600 GB (2 x 300 GB Wide Ultra320 1" Drives)
External	33.60 TB (8 x (14 x 300 GB Wide Ultra320 1" Drives))
Total	34.30 TB

Tape Drives, Tape Autoloaders, & Tape Libraries

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

NOTE: For an up-to-date listing of the latest O/S Support details for each of the Tape Autoloaders and Tape Libraries listed below, please see the following: http://h18000.www1.hp.com/products/quickspecs/North_America/10809.html

NOTE: For complete listing of tape drive offerings see <http://www.hp.com/products1/storage/compatibility/tapebackup/ISS/index.html>

	Quantity Supported	Position Supported	Controller
Ultrium 215, External Ultrium 230, External Ultrium 460, External	Up to 2	External	64-Bit/133Mhz Dual Channel Ultra320 SCSI Adapter 64-Bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter, Alternate OS
HP StorageWorks DAT 72 Tape Drive, External HP StorageWorks DAT 40 Tape Drive, External HP StorageWorks DAT 24	Up to 2	External	64-Bit/133Mhz Dual Channel Ultra320 SCSI Adapter 64-Bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter, Alternate OS

Storage

Tape Drive, External

HP StorageWorks DLT VS80 Tape Drive, External	Up to 2	External	64-Bit/133Mhz Dual Channel Ultra320 SCSI Adapter 64-Bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter, Alternate OS
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HP StorageWorks SDLT 320 Tape Drive, External	Up to 2	External	64-Bit/133Mhz Dual Channel Ultra320 SCSI Adapter 64-Bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter, Alternate OS
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HP StorageWorks DAT 72x6 Tape Autoloader, External HP StorageWorks DAT 40x6 Tape Autoloader, External 1/8 Ultrium 460 Tape Autoloader 1/8 SDLT 320 Tape Autoloader 1/8 Ultrium 230 Tape Autoloader 1/8 DLT VS80 Tape Autoloader SSL1016 Ultrium 460 Tape Autoloader SSL1016 SDLT 320 Tape Autoloader SSL1016 DLT1 Tape Autoloader	1 autoloader per SCSI channel	External	64-Bit/133Mhz Dual Channel Ultra320 SCSI Adapter 64-Bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter, Alternate OS
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MSL6000 (Ultrium 460 - based) Tape Library MSL5026S2 (SDLT 320- based) Tape Library MSL5052S2 (SDLT 320- based) Tape Library MSL5030 (Ultrium 230 - based) Tape Library MSL5060 (Ultrium 230 - based) Tape Library	Please reference the MSL Tape Library QuickSpecs to determine configuration requirements	External	64-Bit/133Mhz Dual Channel Ultra320 SCSI Adapter 64-Bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter, Alternate OS
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ESL712e ESL630e ESL9322 ETLA ESL9595 ETLA	Please reference the ESL e-series & ESL9000 Series Tape Libraries QuickSpecs to determine configuration requirements	External	64-Bit/133Mhz Dual Channel Ultra320 SCSI Adapter 64-Bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter, Alternate OS
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Power Specifications

Part Number	280127-001
Spare Kit	305447-001
Operational Input Voltage Range (V rms)	90 - 264
Frequency Range (Nominal) (Hz)	47 - 63 (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 (milliseconds)	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>.

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)

Technical Specifications

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	
	L_{pAm} (dBA)	59	
	NOTE: These values apply to ROMs dated after Jan. 31, 2003.		
	NOTE: These values apply to ROMs dated after Jan. 31, 2003.		

Technical Specifications

24X Max (or higher) IDE CD-ROM Drive Slim Line	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)	
	Diameter	4.7 in, 3.15 in/12 cm, 8 cm	
	Rotational Speed	4200 rpm maximum	
	Center Hole	0.6 in/15 mm diameter	
	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 GaAlAs	
	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)	

Technical Specifications

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)

Technical Specifications

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	

Technical Specifications

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)		

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