

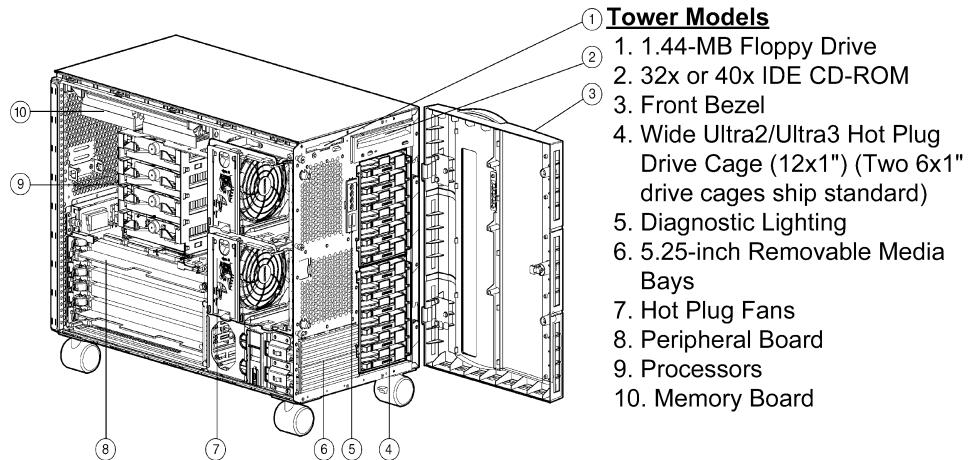
Overview

What's New

- Intel® Pentium® III Xeon™ 900 MHz Processors (up to 4) with 2-MB L2 Cache

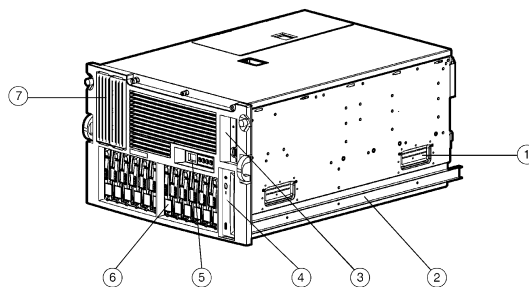
At A Glance

- The all-in-one server and storage solution designed to meet your enterprise and eCommerce needs
- Intel Pentium III Xeon 900 MHz or 700 MHz Processors (up to 4) with 1-MB (700 MHz only), or 2-MB L2 Cache
- 100-MHz Front Side Bus
- ServerWorks Enterprise ServerSet™ III HE chipset
- 1024-MB (900-MHz Models) or 512-MB (700-MHz Models) PC100 Advanced ECC SDRAM Memory standard, expandable to 16 GB
- Six total PCI slots:
Two 64-bit/66-MHz PCI Hot Plug, two 64-bit/33-MHz PCI Hot Plug, one 64-bit/33-MHz PCI Non-Hot Plug, one 32-bit/33-MHz PCI Non-Hot Plug
- Integrated Compaq NC3123 Fast Ethernet NIC PCI 10/100 WOL (Wake On LAN) in a slot
- Integrated Dual Channel Wide Ultra2 SCSI Adapter
- Optional Integrated Smart Array Controller
- Wide Ultra2/Ultra3 SCSI Drive Cage standard (two 6 x 1" cages)
- Internal mass storage capacity up to 2.055 TB (with optional ML5xx Internal Two Bay Hot Plug SCSI Drive Cage (with fan))
- Integrated Remote Console and Automatic Server Recovery-2 (ASR-2)
- Two 450-Watt Hot Pluggable Power Supplies
- Redundant Hot Plug Fans
- Industry-standard PCI Hot Plug with Push Button Functionality
- Protected by HP Services, including a three-year, Next Business Day on-site, limited, Global warranty and extended Pre-Failure Warranty that covers processors, memory and disk drives — Certain restrictions and exclusions apply. Consult the Customer Support Center at 1-800-345-1518 for details.



1 Tower Models

1. 1.44-MB Floppy Drive
2. 32x or 40x IDE CD-ROM
3. Front Bezel
4. Wide Ultra2/Ultra3 Hot Plug Drive Cage (12x1") (Two 6x1" drive cages ship standard)
5. Diagnostic Lighting
6. 5.25-inch Removable Media Bays
7. Hot Plug Fans
8. Peripheral Board
9. Processors
10. Memory Board



1 Rack Models

1. Rack handles
2. Sliding Rails
3. 1.44-MB Floppy Drive
4. 32x or 40x IDE CD-ROM
5. Diagnostic Lighting
6. Wide Ultra2/Ultra3 Hot Plug Drive Cage (12x1") (Two 6x1" drive cages ship standard)
7. 5.25-inch Removable Media Bays



Standard Features

Processor	Intel Pentium III Xeon processor 900 MHz	
<i>One of the following depending on Model:</i>	Intel Pentium III Xeon processor 700 MHz NOTE: One or two processors ship standard, depending on Model.	
Cache Memory	2-MB level 2 writeback cache per processor standard NOTE: 900 MHz and 700 MHz Models.	
<i>One of the following depending on Model:</i>	1-MB level 2 writeback cache per processor standard NOTE: 700 MHz Models only.	
Upgradability	Upgradable to quad processing	
Chipset	ServerWorks Enterprise ServerSet III HE chipset NOTE: For more information regarding ServerWorks, please see the following URL: http://www.serverworks.com/products/overview.html .	
Memory	Standard	1024 MB (PC100-MHz Registered ECC SDRAM DIMM Memory) (900-MHz Models)
<i>One of the following depending on Model:</i>	Maximum	16 GB
	Standard	512 MB (PC100-MHz Registered ECC SDRAM DIMM Memory) (700-MHz Models)
	Maximum	16 GB
Network Controller	Integrated Compaq NC3123 Fast Ethernet NIC PCI 10/100 WOL (Wake On LAN) in a slot	
Expansion Slots	I/O (6 Total, 5 Available)	PCI Voltage:
	64-bit, 66-MHz PCI Hot Plug 2, 2 available	3.3 Volt Only
	64-bit, 33-MHz PCI Hot Plug 2, 2 available	5 Volt or 3.3 Volt
	64-bit, 33-MHz PCI Non-Hot Plug 1, 0 available	5 Volt or 3.3 Volt
	32-bit, 33-MHz PCI Non-Hot Plug 1, 1 available	5 Volt Only
Storage Controller	Integrated Dual Channel Wide Ultra2 SCSI Adapter <i>Optional</i> Integrated Smart Array Controller Module	
Storage	Diskette Drives	1.44 MB
	CD-ROM	32x or 40x IDE CD-ROM Drive
	Hard Drives	None
	Maximum Internal Storage	2.055 TB (with ML5xx Two Bay Hot Plug SCSI Drive Cage) (12 x 146.8-GB 1" + 2 x 146.8-GB 1")
Interfaces	Parallel	1
	Serial	2
	Pointing Device (Mouse)	1
	Graphics	1
	Hot Plug Keyboard	1
	Network RJ-45	1
Graphics	Integrated ATI RAGE IIC Video Controller with 4MB Video Memory	
Form Factor	Tower or Rack (7U)	
Product Demo	To view the Product Tour, please see the following URL, then click on "PRODUCT TOUR": http://h18004.www1.hp.com/products/servers/proliantml570/index-g1.html	

Standard Features

<p>ProLiant™ Essentials Foundation Pack Software</p>	<p><i>Insight Manager™ 7</i></p>	<p>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.</p>
	<p><i>SmartStart™</i></p>	<p>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 website at http://www.hp.com/servers/smartstart. Minimum SmartStart version supported: 4.70 (700 MHz Models). Minimum SmartStart version supported: 5.00 (900 MHz Models).</p>
	<p>Management Agents</p>	<p>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 website at http://www.hp.com/servers/manage.</p>
	<p>ActiveUpdate™</p>	<p>ActiveUpdate is a web-based application that keeps IT managers directly connected to HP for proactive notification and delivery of the latest software updates.</p>
	<p>ROMPac™, support software, and configuration utilities</p>	<p>The latest software, drivers, and firmware fully optimized and tested for your ProLiant server and options.</p>
	<p>Survey Utility and diagnostics utilities</p>	<p>The most advanced configuration analysis, reporting and troubleshooting utilities used by HP and at your fingertips.</p>
	<p><i>Optional</i> ProLiant Essentials Value Packs</p>	<p>Optional software offerings that selectively extend the functionality of an Adaptive Infrastructure to address specific business problems and needs:</p> <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. • 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 2.0 Compliant PCI 2.2 Compliant PXE Support WOL Support Physical Address Extension (PAE) Support Microsoft® Logo certifications
Manageability	Insight Manager 7 Remote Lights-Out Edition (optional) Automatic Server Recovery-2 (ASR-2) Integrated Remote Console (IRC) <ul style="list-style-type: none">Hardware Remote ConsoleFull Remote Server Reboot CapabilityReset and Failure Sequence ReplayHost Hardware IndependentOperating System Independent Server Health Logging Revision History Table Automatic Revision Tracking Drive Parameter Tracking (with Smart Array Controller) Dynamic Sector Repairing (with Smart Array Controller) 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)
Security	Power-on password Hot plug keyboard password Diskette drive control Diskette boot control QuickLock, Network Server Mode Parallel and serial interface control Administrator's password Disk configuration lock
Server Power Cords	One Lowline power cord ships standard.
Power Supply	Two 450W Hot Pluggable Power Supplies (up to three supported) NOTE: A third power supply is needed for redundancy.
System Fans	Five fans ship standard. Optional Redundant Fan kit (PN 128284-B21) includes two more.
Required Cabling	For required cabling information, refer to the Web site at http://www.compaq.com/products/servers/ProLiantml570/ .

Standard Features

OS Support

Microsoft Windows NT® Server
Microsoft Windows 2000
Novell® NetWare®
SCO® OpenServer®
SCO UnixWare®
IBM OS/2 Warp Family
LINUX® (Red Hat®, SuSE®, TurboLinux Server, Caldera® eServer)
Sun™ Solaris™ Intel Platform Edition

NOTE: For a more complete and up-to-date listing of supported OSs and versions, please visit our OS Support Matrix at: <ftp://ftp.compaq.com/pub/products/servers/os-support-matrix-310.pdf>.

NOTE: For a listing of the latest drivers available for the Compaq ProLiant ML570, please see: <http://www.compaq.com/support/files/server/us/index.html>.

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 Compaq 9000 Series Rack and the new 10000 Series Racks provides 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 Compaq Rack 7000 series racks with glass doors (165753-001 (42U), and 163747-001 (22U)), the new processor technology requires the installation of Compaq's new 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://www5.compaq.com/products/servers/ProLiantml570/index.html>.

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 7x24, 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 *CarePaq*[™] 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.compaq.com/services>.

Please see the following URL regarding Warranty Information For Your HP Products:
http://www.compaq.com/support/warranty_upgrades/web_statements/176738.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: Certain restrictions and exclusions apply. Consult the Customer Support Center at 1-800-345-1518 for details.

Models

ML570T01 X900-2MB, 1024MB (2P) <i>155607-xx3</i>	Processor	(2) Intel Pentium III Xeon 900 MHz Processors standard (up to 4 supported)
	Cache Memory	2-MB level 2 writeback cache per processor
	Memory	1024 MB (Standard) to 16 GB (Maximum) PC100MHz Registered ECC SDRAM DIMM
	Network Controller	Integrated Compaq NC3123 Fast Ethernet NIC PCI 10/100 WOL (Wake On LAN) in a slot
	Storage Controller	Integrated Dual Channel Wide Ultra2 SCSI Adapter
	Hard Drives	None ship standard
	Internal Storage	2.055 TB (with optional hard drives and optional ML5xx Internal Two Bay Hot Plug SCSI Drive Cage (with fan)
	Power Supplies	Two 450W Power Supplies
	Optical Drive	32x or 40x IDE CD-ROM Drive
Form Factor	Tower (7U)	
ML570T01 X700-2MB, 512MB (2P) <i>155607-xx1</i>	Processor	(2) Intel Pentium III Xeon 700 MHz Processors ship standard (up to 4 supported)
	Cache Memory	2-MB level 2 writeback cache per processor
	Memory	512 MB (Standard) to 16 GB (Maximum) PC100MHz Registered ECC SDRAM DIMM
	Network Controller	Integrated Compaq NC3123 Fast Ethernet NIC PCI 10/100 WOL (Wake On LAN) in a slot
	Storage Controller	Integrated Dual Channel Wide Ultra2 SCSI Adapter
	Hard Drives	None ship standard
	Internal Storage	2.055 TB (with optional hard drives and optional ML5xx Internal Two Bay Hot Plug SCSI Drive Cage (with fan)
	Power Supplies	Two 450W Power Supplies
	Optical Drive	32x or 40x IDE CD-ROM Drive
Form Factor	Tower (7U)	
ML570T01 X700-1MB, 512MB (1P) <i>138665-xx1</i>	Processor	(1) Intel Pentium III Xeon 700 MHz Processors ship standard (up to 4 supported)
	Cache Memory	1-MB level 2 writeback cache per processor
	Memory	512 MB (Standard) to 16 GB (Maximum) PC100-MHz Registered ECC SDRAM DIMM
	Network Controller	Integrated Compaq NC3123 Fast Ethernet NIC PCI 10/100 WOL (Wake On LAN) in a slot
	Storage Controller	Integrated Dual Channel Wide Ultra2 SCSI Adapter
	Hard Drives	None ship standard
	Internal Storage	1.019 TB (with optional hard drives and optional ML5xx Internal Two Bay Hot Plug SCSI Drive Cage (with fan)
	Optical Drive	32x or 40x IDE CD-ROM Drive
	Form Factor	Tower (7U)
ML570R01 X900-2MB, 1024MB (2P) <i>155606-xx3</i>	Processor	(2) Intel Pentium III Xeon 900 MHz Processors ship standard (up to 4 supported)
	Cache Memory	2-MB level 2 writeback cache per processor
	Memory	1024 MB (Standard) to 16 GB (Maximum) PC100-MHz Registered ECC SDRAM DIMM
	Network Controller	Integrated Compaq NC3123 Fast Ethernet NIC PCI 10/100 WOL (Wake On LAN) in a slot
	Storage Controller	Integrated Dual Channel Wide Ultra2 SCSI Adapter
	Internal Storage	2.055 TB (with optional hard drives and optional ML5xx Internal Two Bay Hot Plug SCSI Drive Cage (with fan)
	Optical Drive	32x or 40x IDE CD-ROM Drive
	Form Factor	Rack (7U)

Models

ML570R01 X700-2MB, 512MB (2P) <i>155606-xx1</i>	Processor	(2) Intel Pentium III Xeon 700 MHz Processors ship standard (up to 4 supported)
	Cache Memory	2-MB level 2 writeback cache per processor
	Memory	512 MB (Standard) to 16 GB (Maximum) PC100-MHz Registered ECC SDRAM DIMM
	Network Controller	Integrated Compaq NC3123 Fast Ethernet NIC PCI 10/100 WOL (Wake On LAN) in a slot
	Storage Controller	Integrated Dual Channel Wide Ultra2 SCSI Adapter
	Internal Storage	2.055 TB (with optional hard drives and optional ML5xx Internal Two Bay Hot Plug SCSI Drive Cage (with fan)
	Optical Drive	32x or 40x IDE CD-ROM Drive
	Form Factor	Rack (7U)
ML570R01 X700-1MB, 512MB (1P) <i>138662-xx1</i>	Processor	(1) Intel Pentium III Xeon 700 MHz Processors ship standard (up to 4 supported)
	Cache Memory	1-MB level 2 writeback cache per processor
	Memory	512 MB (Standard) to 16 GB (Maximum) PC100-MHz Registered ECC SDRAM DIMM
	Network Controller	Integrated Compaq NC3123 Fast Ethernet NIC PCI 10/100 WOL (Wake On LAN) in a slot
	Storage Controller	Integrated Dual Channel Wide Ultra2 SCSI Adapter
	Internal Storage	2.055 TB (with optional hard drives and optional ML5xx Internal Two Bay Hot Plug SCSI Drive Cage (with fan)
	Optical Drive	32x or 40x IDE CD-ROM Drive
	Form Factor	Rack (7U)
Country Code Key	XX=00	U.S. English
	XX=02	Int'l
	XX=03	UK
	XX=37	APD
	XX=29	Japan
	XX=42	Europe
	XX=AA	PRC

Options

Processor	Pentium III Xeon X900-2MB Processor Option Kit	222627-B21
	NOTE: This processor option kit (PN 222627-B21) supports the ProLiant ML570 and the ProLiant DL580 servers.	
	Pentium III Xeon X700-2MB Processor Option Kit	174449-B21
	NOTE: This processor option kit (PN 174449-B21) supports the ProLiant ML570 and the ProLiant DL580 servers.	
	Pentium III Xeon X700-1MB Processor Option Kit	174448-B21
	NOTE: This processor option kit (PN 174448-B21) supports the ProLiant ML570 and the ProLiant DL580 servers.	
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, 1 User, V1.x (Japan)	267196-291
	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.	
	Rapid Deployment Pack, 10 Users, V1.x (Japan)	269817-291
	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
	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
NetServer to ProLiant integrations services	HP NetServer to ProLiant integration and assessment service	304164-002
	NOTE: HP identifies current levels of NetServer support, services, and management. This service helps maximize customer's ability to add ProLiant platforms into their current environment	
	HP TopTools to Insight Manager 7 installation and startup service	304163-002
	NOTE: Provides on-site review, installation and configuration services for Insight Manager 7. HP will also re-create, as closely as possible, the views and reports from the customer's current TopTools configuration. This service assures a smooth transition to the ProLiant Essentials software.	
	HP NetServer to ProLiant Essentials Rapid Deployment Pack installation and startup service	304162-002
	NOTE: Install and configure Rapid Deployment Pack in a test environment, then deploy a server image to a maximum of 250 systems in the production environment. This service helps to assure successful system deployment.	
Memory (DIMMs)	4096-MB PC100 Registered ECC SDRAM Memory Kit (4 x 1024 MB)	189083-B21
	2048-MB PC100 Registered ECC SDRAM Memory Kit (4 x 512 MB)	189082-B21
	1024-MB PC100 Registered ECC SDRAM Memory Kit (4 x 256 MB)	189081-B21
	512-MB PC100 Registered ECC SDRAM Memory Kit (4 x 128 MB)	189080-B21

Options

Optical Drives	16X DVD-ROM Drive Option Kit (Carbon)	217053-B21
Internal Storage	ML5xx Two Bay Hot Plug SCSI Drive Cage NOTE: This Drive Cage has one 1" drive bay and one 1.6" drive bay.	244058-B21
Hard Drives	Ultra320 SCSI – Universal Hot Plug	
	36.4GB 10,000 rpm, U320 Universal Hard Drive, 1"	286713-B22
	72.8GB 10,000 rpm, U320 Universal Hard Drive, 1"	286714-B22
	146.8GB 10,000 rpm, U320 Universal Hard Drive, 1"	286716-B22
	18.2GB 15,000 rpm, U320 Universal Hard Drive, 1"	286775-B22
	36.4GB 15,000 rpm, U320 Universal Hard Drive, 1"	286776-B22
	72.8GB 15,000 rpm, U320 Universal Hard Drive, 1"	286778-B22
	NOTE: All U320 Universal Hard Drives are backward compatible to U2 or U3 speeds. U320 drives require an optional U320 Smart Array Controller or U320 SCSI HBA to support U320 transfer rates.	
	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://www5.compaq.com/products/quickspecs/11531_div/11531_div.HTML (Division/World Wide) http://www5.compaq.com/products/quickspecs/11531_na/11531_na.HTML (North America)	
	Storage Controllers	Integrated Smart Array Controller Module
Smart Array 532 Controller		225338-B21
Smart Array 532 Controller (Japan)		225338-291
Smart Array 5302/128 Controller		283552-B21
Smart Array 5302/128 Controller (Japan)		283552-291
Smart Array 5304/256 Controller		283551-B21
Smart Array 5304/256 Controller (Japan)		283551-291
Smart Array 5312 Controller		238633-B21
Smart Array 5312 Controller (Japan)		238633-291
Ultra3 Channel Expansion Module for Smart Array 5300 Controller		153507-B21
128-MB Cache Module for Smart Array 5302 Controller		153506-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.		
64-bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter		154457-B21
64-bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter		129803-B21
64-Bit/133-MHz Dual Channel Ultra320 SCSI Adapter		268351-B21
64-Bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter, Alternate OS	284688-B21	
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://www5.compaq.com/products/quickspecs/10501_div/10501_div.HTML (Integrated Smart Array) http://www5.compaq.com/products/quickspecs/10851_div/10851_div.HTML (Smart Array 532) http://www5.compaq.com/products/quickspecs/10640_div/10640_div.HTML (Smart Array 5300 Series) http://www5.compaq.com/products/quickspecs/11328_div/11328_div.HTML (Smart Array 5312) http://www5.compaq.com/products/quickspecs/10429_div/10429_div.HTML (SCSI Adapter) http://www5.compaq.com/products/quickspecs/11555_div/11555_div.HTML (U320 Adapter)		

Options

Communications	Compaq NC3123 Fast Ethernet NIC PCI 10/100 WOL	174830-B21
	Compaq NC3134 Fast Ethernet NIC 64 PCI Dual Port 10/100	138603-B21
	Compaq NC3135 Fast Ethernet Module Dual 10/100 Upgrade Module for NC3134 and NC3131	138604-B21
	Compaq NC6132 Gigabit Module 1000 SX Upgrade Module for NC3134 and NC3131	338456-B23
	Compaq NC6133 Gigabit Module 1000 LX Upgrade Module for NC3134 and NC3131	338456-B24
	Compaq NC3133 Fast Ethernet Module 100 FX Upgrade Module for NC3134 and NC3131	338456-B25
	Compaq NC6136 Gigabit Server Adapter, 64-bit/66MHz, PCI, 1000 SX	203539-B21
	Compaq NC7131 Gigabit Server Adapter, 64-bit/66Mhz, PCI, 10/100/1000-T	158575-B21
	Compaq NC7132 10/100/1000-T Upgrade Module for NC3134 and NC3131	153543-B21
Redundant Options	Redundant Fan Kit	128284-B21
	Compaq Hot Plug Redundant Power Supply (Two Compaq Hot Plug Power Supplies ship standard with the ProLiant ML570. A third one is required for redundancy.)	128286-001
	Compaq Hot Plug Redundant Power Supply (Australia) (Two Compaq Hot Plug Power Supplies ship standard with the ProLiant ML570. A third one is required for redundancy.)	128286-011
	Compaq Hot Plug Redundant Power Supply (Int'l) (Two Compaq Hot Plug Power Supplies ship standard with the ProLiant ML570. A third one is required for redundancy.)	128286-021
	Compaq Hot Plug Redundant Power Supply (Japan) (Two Compaq Hot Plug Power Supplies ship standard with the ProLiant ML570. A third one is required for redundancy.)	128286-291
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
	Compaq Remote Insight Lights-Out Edition (NA, LA)	157866-001
	Compaq Remote Insight Lights-Out Edition (EMEA)	157866-021
	Compaq Remote Insight Lights-Out Edition (ROW)	157866-371
Security	HP/Atalla AXL600L SSL Accelerator Card for ProLiant Servers	524545-B21
	Compaq AXL300 Accelerator PCI Card for ProLiant Servers	227933-B21
Monitors	<i>Essential Series</i>	
	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

Options

Monitors <i>(continued)</i>	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
	Rackmount Flat Panel Monitors	
	TFT5110R Flat Panel Monitor (Carbon)	281683-B21
	TFT5010R Flat Panel Monitor (NA)	217248-001
	TFT5010R Flat Panel Monitor (Int'l)	217248-B31
	TFT5010R Flat Panel Monitor (Japan)	217248-291
	NOTE: Monitors larger than 17" may be too heavy for use in rack systems.	

Tape Drives	Internal and External DAT Tape Drives	
	Internal 12/24-GB DAT Drive (opal)	295513-B22
	Internal 12/24-GB DAT Drive (opal) (Japan)	295513-292
	NOTE: Please see the 12/24 GB DAT Drive QuickSpecs for additional options such as cassettes and for an up-to-date listing of the latest O/S Support details, please see the following: http://www5.compaq.com/products/quickspecs/10239_div/10239_div.HTML (Division/World Wide) http://www5.compaq.com/products/quickspecs/10239_na/10239_na.HTML (North America)	
	HP StorageWorks 20/40-GB DAT DDS-4 Tape Drive, Internal (Carbon) (WW)	157769-B22
	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
	HP StorageWorks Internal 20/40-GB DAT, Hot Plug (Carbon)	215488-B21
	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://www5.compaq.com/products/quickspecs/10426_div/10426_div.HTML (Division/World Wide) http://www5.compaq.com/products/quickspecs/10426_na/10426_na.HTML (North America)	

Options

Tape Drives *(continued)*

Internal and External AIT Tape Drives

HP StorageWorks Internal AIT 35-GB, LVD Tape Drive (Carbon)	216884-B21
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
HP StorageWorks Internal AIT 35-GB, LVD, Hot Plug (Carbon)	216886-B21

NOTE: Please see the AIT 35GB, 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://www5.compaq.com/products/quickspecs/10712_div/10712_div.HTML (Division/World Wide)
http://www5.compaq.com/products/quickspecs/10712_na/10712_na.HTML (North America)

HP StorageWorks AIT 50-GB Tape Drive, Internal (Carbon) (WW)	157766-B22
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 Internal AIT 50-GB, Hot Plug (Carbon)	215487-B21
HP StorageWorks AIT 50GB Tape Drive, 3U Rackmount	274333-B21

NOTE: Please see the AIT 50GB 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://www5.compaq.com/products/quickspecs/10425_div/10425_div.HTML (Division/World Wide)
http://www5.compaq.com/products/quickspecs/10425_na/10425_na.HTML (North America)

HP StorageWorks Internal AIT 100-GB Tape Drive (Carbon)	249189-B21
HP StorageWorks External AIT 100-GB Tape Drive (Carbon)	249160-001
HP StorageWorks External AIT 100-GB Tape Drive (Carbon) (Int'l)	249160-B31
HP StorageWorks Internal AIT 100-GB, Hot Plug (Carbon)	249161-B21

NOTE: Please see the AIT 100GB 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://www5.compaq.com/products/quickspecs/11062_div/11062_div.HTML (Division/World Wide)
http://www5.compaq.com/products/quickspecs/11062_na/11062_na.HTML (North America)

Internal and External DLT/SDLT Tape Drives

HP StorageWorks 40/80-GB DLT Tape Drive, Internal (Carbon)	146196-B22
HP StorageWorks 40/80-GB DLT Tape Drive, External (Carbon) (NA)	146197-B22
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://www5.compaq.com/products/quickspecs/10658_div/10658_div.HTML (Division/World Wide)
http://www5.compaq.com/products/quickspecs/10658_na/10658_na.HTML (North America)

Internal and External DLT VS Tape Drives

HP StorageWorks DLT VS 40/80 Tape Drive, Internal (Carbon) (WW)	280129-B21
HP StorageWorks DLT VS 40/80 Tape Drive, External (Carbon) (NA)	280129-B22
HP StorageWorks DLT VS 40/80 Tape Drive, External (Carbon) (Int'l)	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://www5.compaq.com/products/quickspecs/11403_div/11403_div.HTML (Division/World Wide)
http://www5.compaq.com/products/quickspecs/11403_na/11403_na.HTML (North America)

Options

Tape Drives (continued)	
External SDLT Tape Drives	
HP StorageWorks SDLT 110/220, External (Carbon) (NA)	192103-002
HP StorageWorks SDLT 110/220, External Int'l (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://www5.compaq.com/products/quickspecs/10772_div/10772_div.HTML (Division/World Wide) http://www5.compaq.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 HP StorageWorks 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://www5.compaq.com/products/quickspecs/11406_div/11406_div.HTML (Division/World Wide) http://www5.compaq.com/products/quickspecs/11406_na/11406_na.HTML (North America)	
Rackmount SDLT 110/220, 3U (Single Drive)	274331-B21
Rackmount SDLT 110/220, Dual-Drive, 3U (Two Drives)	274334-B21
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://www5.compaq.com/products/quickspecs/10772_div/10772_div.HTML (Division/World Wide) http://www5.compaq.com/products/quickspecs/10772_na/10772_na.HTML (North America)	
External SuperLoader	
DLT1 1280 SuperLoader	268664-B21
NOTE: Please see the StorageWorks DLT1 1280 SuperLoader by Compaq QuickSpecs for additional options and for an up-to-date listing of the latest O/S Support details, please see the following: http://www5.compaq.com/products/quickspecs/11330_div/11330_div.HTML (Division/World Wide) http://www5.compaq.com/products/quickspecs/11330_na/11330_na.HTML (North America)	
Internal and External LTO Ultrium Tape Drives	
HP StorageWorks LTO Ultrium 230 Tape Drive, Internal (Carbon) WW	Q1515A
HP StorageWorks LTO Ultrium 230 Tape Drive, External (Carbon) NA	Q1516A
HP StorageWorks LTO Ultrium 230 Tape Drive, External (Carbon) Int'l	Q1517A
NOTE: Please see the HP StorageWorks LTO Ultrium 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://www5.compaq.com/products/quickspecs/11415_div/11415_div.HTML (Division/World Wide) http://www5.compaq.com/products/quickspecs/11415_na/11415_na.HTML (North America)	
HP StorageWorks Ultrium 460 Tape Drive for ProLiant, Internal (Carbon) WW	Q1518A
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 460 Tape Drives for ProLiant QuickSpecs for additional options such as data and cleaning cartridges, and for an up-to-date listing of the latest O/S Support details, please see the following: http://www5.compaq.com/products/quickspecs/11530_div/11530_div.HTML (Division/World Wide) http://www5.compaq.com/products/quickspecs/11530_na/11530_na.HTML (North America)	

Options

Tape Drives (continued)

Internal and External DAT Autoloader

20/40-GB DAT 8 Cassette Autoloader Internal (Opal)	166504-B21
20/40-GB DAT 8 Cassette Autoloader External (Opal)	166505-001
20/40-GB DAT 8 Cassette Autoloader External (Opal) (Int'l)	166505-B31
20/40-GB DAT 8 Cassette Autoloader External (Opal) (Japan)	166505-291

NOTE: Please see the 20/40-GB DAT DDS-4 8 Cassette 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://www5.compaq.com/products/quickspecs/10518_div/10518_div.HTML (Division/World Wide)
http://www5.compaq.com/products/quickspecs/10518_na/10518_na.HTML (North America)

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
HP StorageWorks AIT 35 GB Autoloader Tabletop (Carbon) (NA)	280349-001
HP StorageWorks AIT 35 GB Autoloader, Tabletop (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://www5.compaq.com/products/quickspecs/11404_div/11404_div.HTML (Division/World Wide)
http://www5.compaq.com/products/quickspecs/11404_na/11404_na.HTML (North America)

HP StorageWorks 1/8 Autoloader

HP StorageWorks 1/8 Autoloader, Tabletop, Ultrium 230	C9572CB
HP StorageWorks 1/8 Autoloader, Tabletop, DLT VS80	C9264CB
HP StorageWorks 1/8 Autoloader, Rackmount kit	C9266R

Rackmount Tape Drive Kits

3U Rackmount Kit	274338-B21
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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 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, 20/40-GB DLT, 40/80-GB DLT, and the SDLT 110/220GB Tape Drives.

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

NOTE: Please see the Compaq Rackmount Tape Drive Kits QuickSpecs for additional information regarding these kits, please see the following:
http://www5.compaq.com/products/quickspecs/10854_div/10854_div.HTML (Division/World Wide)
http://www5.compaq.com/products/quickspecs/10854_na/10854_na.HTML (North America)

Rackmount Tape Drive Cable Kits

LVD Cable Kit, VHDCI/HD68	168048-B21
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NOTE: For use with the 3U RM Storage Enclosure and DLT Tape Array III only.

LVD Cable Kit, HD68/HD68	242381-B21
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NOTE: For use with the 3U RM Storage Enclosure and DLT Tape Array III only.

Options

Tape Automation

Entry Level Tape Libraries

SSL2020 Automated AIT Library

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
SSL2020 AIT Library Pass Thru Extender	175312-B22
AIT 50-GB Drive Add-On LVD Drive for SSL2020 AIT Library	175197-B21

Required Adapters/Controllers for SSL2020 AIT Library

64-Bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter	129803-B21
SAN Access Module for Smart Array 5302 Controller	216687-B21
SAN Access Module for Smart Array 5302 Controller (Japan)	216687-291

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://www5.compaq.com/products/quickspecs/10580_na/10580_na.HTML (North America)

http://www5.compaq.com/products/quickspecs/10580_div/10580_div.HTML (Division/World Wide)

MSL5000 Libraries

Mainstream Tape Library

MSL5026DLX DLT Library

MSL5026DLX, 1 40/80-GB DLT, LVD Table Top	231821-B21
MSL5026DLX, 2 40/80-GB DLT, LVD Table Top	231821-B22
MSL5026DLX, 1 40/80-GB DLT, LVD Rackmount	231891-B21
MSL5026DLX, 2 40/80-GB DLT, LVD Rackmount	231891-B22

MSL5026SL SDLT Library

MSL5026SL, Tabletop, 1 SDLT Drive (Graphite)	302511-B21
MSL5026SL, Tabletop, 2 SDLT Drives (Graphite)	302511-B22
MSL5026SL, Rackmount, 1 SDLT Drive (Graphite)	302512-B21
MSL5026SL, Rackmount, 2 SDLT Drive (Graphite)	302512-B22

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://www5.compaq.com/products/quickspecs/11440_na/11440_na.HTML (North America)

http://www5.compaq.com/products/quickspecs/11440_div/11440_div.HTML (Division/World Wide)

Departmental Tape Library

MSL5026S2 SDLT Library

MSL5026S2, Rackmount, 0 Drive Library	293472-B21
MSL5026S2, Rackmount, 1 Drive, SDLT2 Library	293472-B22
MSL5026S2, Rackmount, 2 Drives, SDLT2 Library	293472-B23
MSL5026S2FC, Rackmount, 1 Drive, SDLT2 Library	293472-B24
MSL5026S2FC, Rackmount, 2 Drives, SDLT2 Library	293472-B25
MSL5026S2, Tabletop, 1 Drive, SDLT2 Library	293473-B21
MSL5026S2, Tabletop, 2 Drives, SDLT2 Library	293473-B22

NOTE: Please see the StorageWorks MSL5026S2 Library QuickSpecs for additional information including Upgrade Kits, Accessories, and SCSI Cable Kits and additional options needed for a complete solution at:

http://www5.compaq.com/products/quickspecs/11453_na/11453_na.HTML (North America)

http://www5.compaq.com/products/quickspecs/11453_div/11453_div.HTML (Division/World Wide)

Options

Tape Automation (continued)

MSL5000 Libraries (continued)

MSL5052SL SDLT Library

MSL5052, Rackmount, 0 Drive, SDLT ALL	255102-B21
MSL50502SL, SDLT, 110/220, 2 Drives, LVD, Table Top	249490-B21
MSL50502SL, SDLT, 110/220, 2 Drives, LVD, Rackmount	249491-B21

NOTE: Please see the StorageWorks MSL5052SL Library QuickSpecs for additional information including Upgrade Kits, Accessories, and SCSI Cable Kits and additional options needed for a complete solution at:
http://www5.compaq.com/products/quickspecs/11061_na/11061_na.HTML (North America)
http://www5.compaq.com/products/quickspecs/11061_div/11061_div.HTML (Division/World Wide)

MSL5052S2 SDLT Library

MSL5052S2, Tabletop, 2 Drives, SDLT2 Library	293476-B21
MSL5052S2, Rackmount, 2 Drives, SDLT2 Library	293474-B21
MSL5052S2FC, Rackmount, 2 Drives, SDLT2 Library	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://www5.compaq.com/products/quickspecs/11442_na/11442_na.HTML (North America)
http://www5.compaq.com/products/quickspecs/11442_div/11442_div.HTML (Division/World Wide)

MSL5030 LTO Library

MSL5030L1, Rackmount, 0 Drive Library	301897-B21
MSL5030L1, Rackmount, 1 Drive, LTO1 Library	301897-B22
MSL5030L1, Rackmount, 2 Drives, LTO1 Library	301897-B23
MSL5030L1FC, Rackmount, 1 Drive, LTO1 Library	301897-B24
MSL5030L1FC, Rackmount, 2 Drives, LTO1 Library	301897-B25
MSL5030L1, Tabletop, 1 Drive, LTO1 Library	301898-B21
MSL5030L1, Tabletop, 2 Drives, LTO1 Library	301898-B22
MSL5000 LTO1 Upgrade Drive	301901-B21
MSL5000 Dual Magazine LTO	301902-B21

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://www5.compaq.com/products/quickspecs/11439_na/11439_na.HTML (North America)
http://www5.compaq.com/products/quickspecs/11439_div/11439_div.HTML (Division/World Wide)

MSL5060 LTO Library

MSL5060L1, Rackmount, 0 Drive Library	301899-B21
MSL5060L1, Rackmount, 2 Drives, LTO1 Library	301899-B22
MSL5060L1FC, Rackmount, 2 Drives, LTO1 Library	301899-B23
MSL5060L1, Tabletop, 2 Drives, LTO1 Library	301900-B21
MSL5000 LTO1 Upgrade Drive	301901-B21
MSL5000 Dual Magazine LTO	301902-B21

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://www5.compaq.com/products/quickspecs/11438_na/11438_na.HTML (North America)
http://www5.compaq.com/products/quickspecs/11438_div/11438_div.HTML (Division/World Wide)

MSL5000 series Libraries Options

MSL5K Field Upgrade SDLT 110/220 Drive, LVD	231823-B22
MSL5000 SDLT2 Upgrade Drive	293475-B21
MSL5K Field Upgrade SDLT 110/220 Drive, LVD	231823-B22
MSL5000 Dual Magazine DLT	232136-B21

Options

Tape Automation (continued)

MSL5000 Libraries (continued)

Required Adapters for MSL5000 series Libraries

64-Bit/66Mhz Dual Channel Wide Ultra3 SCSI Adapter	129803-B21
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Enterprise 9000 System Library

ESL9322S2 SDLT Library

ESL9322S2, 222 slot, 2 Drives, SDLT2	293409-B22
ESL9322S2, 222 slot, 8 Drives, SDLT2	293409-B28
ESL9322S2, 322 slot, 2 Drives, SDLT2	293410-B22
ESL9322S2, 322 slot, 8 Drives, SDLT2	293410-B28

NOTE: Please see the StorageWorks ESL9322S2 Enterprise Library QuickSpecs for additional information including Tape Drives, Cartridges, Controllers, and SCSI Cables and additional options needed for a complete solution at:

http://www5.compaq.com/products/quickspecs/11437_na/11437_na.HTML (North America)
http://www5.compaq.com/products/quickspecs/11437_div/11437_div.HTML (World Wide)

ESL9322L1 SDLT Library

ESL9322L1, 222 slot, 2 Drives, LTO1	301927-B22
ESL9322L1, 222 slot, 8 Drives, LTO1	301927-B28
ESL9322L1, 322 slot, 2 Drives, LTO1	301928-B22
ESL9322L1, 322 slot, 8 Drives, LTO1	301928-B28

NOTE: Please see the StorageWorks ESL9322L1 Enterprise Library QuickSpecs for additional information including Tape Drives, Cartridges, Controllers, and SCSI Cables and additional options needed for a complete solution at:

http://www5.compaq.com/products/quickspecs/11445_na/11445_na.HTML (North America)
http://www5.compaq.com/products/quickspecs/11445_div/11445_div.HTML (World Wide)

ESL9595SL SDLT Library

ESL9595SL Enterprise Library, 400 slot, 16 Drive	274672-B22
ESL9595SL Enterprise Library, 500 slot, 2 Drive	281627-B22

NOTE: Please see the StorageWorks ESL9595SL Enterprise Library QuickSpecs for additional information including Tape Drives, Cartridges, Controllers, and SCSI Cables and additional options needed for a complete solution at:

http://www5.compaq.com/products/quickspecs/11332_na/11332_na.HTML (North America)
http://www5.compaq.com/products/quickspecs/11332_div/11332_div.HTML (World Wide)

ESL9595S2 SDLT Library

ESL9595S2, 400 slot, 2 Drives, SDLT2	293411-B22
ESL9595S2, 400 slot, 16 Drives, SDLT2	293411-B28
ESL9595S2, 500 slot, 2 Drives, SDLT2	293412-B22
ESL9595S2, 500 slot, 16 Drives, SDLT2	293412-B28
ESL9595S2, 595 slot, 2 Drives, SDLT2	293413-B22
ESL9595S2, 595 slot, 16 Drives, SDLT2	293413-B28

NOTE: Please see the StorageWorks ESL9595S2 Enterprise Library QuickSpecs for additional information including Tape Drives, Cartridges, Controllers, and SCSI Cables and additional options needed for a complete solution at:

http://www5.compaq.com/products/quickspecs/11436_na/11436_na.HTML (North America)
http://www5.compaq.com/products/quickspecs/11436_div/11436_div.HTML (World Wide)

Options

Tape Automation (continued)	Enterprise 9000 System Library (continued)
	ESL9595L1 SDLT Library
	ESL9595L1, 400 slot, 2 Drives, LTO1 301929-B22
	ESL9595L1, 400 slot, 16 Drives, LTO1 301929-B28
	ESL9595L1, 500 slot, 2 Drives, LTO1 301931-B22
	ESL9595L1, 500 slot, 16 Drives, LTO1 301931-B28
	ESL9595L1, 595 slot, 2 Drives, LTO1 301932-B22
	ESL9595L1, 595 slot, 16 Drives, LTO1 301932-B28
	NOTE: Please see the StorageWorks ESL9595L1 Enterprise Library QuickSpecs for additional information including Tape Drives, Cartridges, Controllers, and SCSI Cables and additional options needed for a complete solution at: http://www5.compaq.com/products/quickspecs/11435_na/11435_na.HTML (North America) http://www5.compaq.com/products/quickspecs/11435_div/11435_div.HTML (World Wide)
	ESL9000 series Libraries Options
	ESL9000 Field Upgrade SDLT 110/220, LVD Drive (ESL9198SL, ESL9326SL, ESL9595SL) 234617-B21
	ESL9595 500 Slot Upgrade 274674-B21
	ESL9595 595 Slot Upgrade 274674-B22
	ESL9000 LTO1 Upgrade Drive 301930-B21
	ESL9000 LVD SDLT-160 Drive Upgrade 293414-B21
	ESL9000 HVD SDLT-160 Drive Upgrade 293415-B21
	ESL9000 Universal Load Port 302254-B21
	ESL9322 222 Slot to ESL9322 322 Slot Upgrade 293588-B21
	ESL9000 6 Slot DLT Magazine 229909-B21
	Required Adapters for ESL9000 Libraries
	64-Bit/66-Mhz Dual Channel Wide Ultra3 SCSI Adapter 129803-B21
	NOTE: 64-Bit/66-Mhz Dual Channel Wide Ultra3 SCSI Adapter is required to support the LVD based libraries (ESL9595SL).
External Storage – Tower and Rack	StorageWorks Enclosure Model 4314T (tower) 190210-001
	StorageWorks Enclosure Model 4314T (tower) (Int'l) 190210-B31
	StorageWorks Enclosure Model 4314T (tower) (Japan) 190210-291
	NOTE: The StorageWorks Enclosure 4300 Family supports the Wide Ultra3, Ultra320 1" Hot Plug Hard Drives.
	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
	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 Tower to Rack Conversion Kit 150213-B21

Options

MSA1000	MSA 1000	201723-B22
	MSA 1000 Controller	218231-B22
	MSA Fibre Channel I/O Module	218960-B21
	MSA1000 Fabric Switch	218232-B21
	MSA 1000 Fibre Channel Adapter (FCA) 2101	245299-B21
	HP StorageWorks msa hub 2/3	286763-B21
<p>NOTE: Please see the HP StorageWorks modular SAN array 1000 QuickSpecs for additional options and configuration information at: http://www5.compaq.com/products/quickspecs/11033_na/11033_na.HTML (North America) http://www5.compaq.com/products/quickspecs/11033_div/11033_div.HTML (Division/World Wide)</p>		
StorageWorks Modular Array 8000/Enterprise Modular Array 12000	EMA12000 D14 60 Hz	175990-B21
	EMA12000 D14 50 Hz	175990-B22
	EMA12000 S14 60 Hz	175991-B21
	EMA12000 S14 50 Hz	175991-B22
	MA8000 60 Hz	175992-B21
	MA8000 50 Hz	175992-B22
	EMA12000 Blue 60 Hz	175993-B21
	EMA12000 Blue 50 Hz	175993-B22
<p>NOTE: Options include controller, solution kits, ACS. MA8000/EMA12000 includes controller shelf, drive shelves and cabinet. Packaging upgrade to RA8000/ESA12000.</p> <p>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://www5.compaq.com/products/quickspecs/10545_na/10545_na.HTML (North America) http://www5.compaq.com/products/quickspecs/10545_div/10545_div.HTML (Division/World Wide)</p>		
StorageWorks Enterprise Modular Array 16000 FC	EMA16000 D14 50 Hz (opal)	238792-B22
	EMA16000 D14 60 Hz (opal)	238792-B21
	EMA16000 S14 50 Hz (opal)	238791-B22
	EMA16000 S14 60 Hz (opal)	238791-B21
	<p>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.</p> <p>NOTE: Please see the StorageWorks EMA16000 QuickSpecs for FC switches, platform software, host adapters, disks and options for complete solutions at: http://www5.compaq.com/products/quicksepcs/10812_na/10812_na.HTML (North America) http://www5.compaq.com/products/quickspecs/10812_div/10812_div.HTML (Division/World Wide)</p>	
StorageWorks Options	StorageWorks Fibre Channel SAN Switches 8-EL	176219-B21
	StorageWorks SAN Switch 2/8-EL	258707-B21
	StorageWorks SAN Switch 2/8-EL Upgrade	288162-B21
	StorageWorks SAN Switch 2/16-EL	283056-B21
	StorageWorks SAN Switch 2/16-EL Upgrade	288250-B21
UPS and PDU Power Cord Matrix	<p><i>Please see the UPS and PDU cable matrix that lists cable descriptions, requirements, and specifications for UPS and PDU units.that lists cable descriptions, requirements, and specifications for UPS units.</i> ftp://ftp.compaq.com/pub/products/servers/ProLiantstorage/power-protection/powercordmatrix.pdf</p>	

Options

Uninterruptible Power Systems - Tower	HP UPS Model T1000 XR (1000VA, 700 Watt), Low Voltage (NA)	204155-001
	HP UPS Model T1000 XR (1000VA, 700 Watt), High Voltage (Int'l)	204155-B31
	HP UPS Model T1000 XR (1000VA, 700 Watt), Low Voltage (Japan)	312803-291
	HP UPS Model T1500 XR (1440VA, 1050 Watt), Low Voltage (NA)	204155-002
	HP UPS Model T1500 XR (1500VA, 1050 Watt), High Voltage (Int'l)	204155-B32
	HP UPS Model T1500 XR (1500VA, 1050 Watt), Low Voltage (Japan)	204155-291
	HP UPS Model T2200 XR (1920VA, 1600 Watt), Low Voltage (NA)	204451-001
	HP UPS Model T2200 XR (2080VA, 1600 Watt), High Voltage (NA)	204451-002
	HP UPS Model T2200 XR (2200VA, 1600 Watt), Low Voltage (NA)	204451-B31
	HP UPS Model T2200 XR (2200VA, 1600 Watt), Low Voltage (Japan)	204451-291
Uninterruptible Power Systems - Rack	Compaq UPS R1500 XR (1440VA, 1340 Watt), Low Voltage (NA)	204404-001
	Compaq UPS R1500 XR (1500VA, 1340 Watt), High Voltage (Int'l)	204404-B31
	Compaq UPS R1500 XR (1500VA, 1340 Watt), Low Voltage (Japan)	204404-291
	Compaq UPS R3000 XR (2880VA, 2700 Watt), Low Voltage (NA)	192186-001
	Compaq UPS R3000 XR (3000VA, 2700 Watt), High Voltage (NA)	192186-002
	Compaq UPS R3000 XR (2400VA, 2250 Watt), Low Voltage (Japan)	192186-291
	Compaq UPS R3000 XR (3000VA, 2700 Watt), High Voltage (Japan)	192186-292
	Compaq UPS R3000 XR (3000VA, 2700 Watt), High Voltage (Int'l - detachable cord)	192186-B31
	Compaq UPS R3000 XR (3000VA, 2700 Watt), High Voltage (16A IEC309 Plug)	192186-B32
	Compaq UPS R3000 XR (3000VA, 2700 Watt), High Voltage (16A CEE 7/7 SCHUKO Plug)	192186-B33
	Compaq 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
	NOTE: The UPS R6000 has a hardwired input.	
	Rack-Mountable UPS R6000 (6000VA, 6000 Watt) High Voltage (Int'l)	347207-B31
	NOTE: The UPS R6000 has a hardwired input.	
	Rack-Mountable UPS R6000 (6000VA, 6000 Watt) High Voltage (Japan)	347207-291
NOTE: The UPS R6000 has a hardwired input.		
UPS R12000 XR N+x (200-240V) (WW-hardwired)	207552-B22	
NOTE: The UPS R12000 XR has a hardwired input and output.		
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, T1000 XR	218967-B21
	NOTE: 2U each, two ERM maximum.	
	Extended Runtime Module, T1500 XR/T2200 XR	218969-B21
NOTE: 3U each, one ERM maximum.		
Extended Runtime Module, R1500 XR	218971-B21	
NOTE: 2U each, two ERM maximum.		
Extended Runtime Module, R3000 XR	192188-B21	
NOTE: 2U each, one ERM maximum.		

Options

UPS Options <i>(continued)</i>	Extended Runtime Module, R6000 NOTE: 3U each, two ERM maximum.	347224-B21
	Extended Runtime Module, R12000 XR, 4U NOTE: 4U each, two ERM maximum.	217800-B21
	SNMP-EN Adapter NOTE: Supports R6000 UPS series only.	347225-B21
	Multi-Server UPS Card NOTE: Supports R6000 UPS series only.	123508-B21
	Scalable UPS Card NOTE: Supports R6000 UPS series only.	123509-B21
Rack-Mountable PDUs – 1U/0U (Up to 12 outlets) NOTE: 0U mounting brackets shipped with the unit (separate option kit for 1U mounting).	Compaq Power Distribution Unit-16A (200 to 240V) (WW) NOTE: The 16A PDU also connects to the high volt models of the UPS R3000 XR (need cable PN 340653-001 (NA)) and the UPS R6000 models. Cable PN 340653-001 required if connecting to UPS R3000 XR (192186-002 NA-High Volt model only).	207590-B21
	Compaq Power Distribution Unit-32A (200 to 240V) (Int'l)	207590-B31
	Compaq Power Distribution Unit-40A (200 to 240V) (WW) NOTE: Please see the following Power Distribution Unit (Zero-U/1U PDU) QuickSpecs for additional options including cables: http://www5.compaq.com/products/quickspecs/10838_na/10838_na.HTML (North America) http://www5.compaq.com/products/quickspecs/10838_div/10838_div.HTML (Division/World Wide)	207590-B23
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) NOTE: This mPDU (252663-D71) may also be used to connect the low volt model of the UPS R3000 XR.	252663-D71
	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) NOTE: This mPDU (252663-B21), 40A model has a hardwired input.	252663-B21
	HP Modular Power Distribution Units (mPDU), High Volt Model, 16A (200-240 VAC) (WW) 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.	252663-B24
	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://www5.compaq.com/products/quickspecs/11041_na/11041_na.HTML (North America) http://www5.compaq.com/products/quickspecs/11041_div/11041_div.HTML (Division/World Wide)	
PDU Options	1U PDU Mounting Brackets Kit NOTE: The 1U PDU Mounting Brackets are required when mounting PDU's PN 207590-xxx series in 1U configurations.	215852-B21
	Third Party 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

Options

Other	Enhanced Keyboard (Carbon)	296435-xx5
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Enhanced Keyboard (Carbon) Country Key Code	Dash #	Description	Dash #	Description
	-005	US	-175	Arabic
	-035	UK	-185	Belgium
	-045	Germany	-215	Hungary
	-055	France	-225	Czech
	-065	Italy	-235	Solvac
	-075	Spain	-245	Polish
	-085	Denmark	-255	Russian
	-085	Norway	-295	Japan
	-105	Sweden/Finland	-335	Dutch
	-125	French Canadian	-355	Finish
	-135	Portugal	-B35	Int'l
	-145	Turkey	-B45	BHCSY
	-155	Greek		

Rack Builder	<i>Rack Builder for configuration assistance at http://www.compaq.com/rackbuilder/.</i>	
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Rack Conversion Kit	Compaq ProLiant Tower to Rack Conversion Kit NOTE: This Tower to Rack Conversion Kit (PN 128289-B21) supports the ProLiant ML570 and ML530 servers.	128289-B21
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HP Rack 10000 Series (Graphite Metallic)	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://www5.compaq.com/products/quickspecs/10995_div/10995_div.HTML (Division/World Wide)
http://www5.compaq.com/products/quickspecs/10995_na/10995_na.HTML (North America)

NOTE: For additional information regarding Rack Cabinets, please see the following URL:
<http://www.compaq.com/racks>.

Options

Compaq Rack 9000 Series (Opal)	Compaq Rack 9142 (42U) – Pallet	120663-B21	
	Compaq Rack 9142 (42U) – Shock Pallet	120663-B22	
	Compaq Rack 9142 (42U) – Crated	120663-B23	
	Compaq Rack 9136 (36U) – Pallet	120664-B21	
	Compaq Rack 9136 (36U) – Shock Pallet	120664-B22	
	Compaq Rack 9136 (36U) – Crated	120664-B23	
	Compaq Rack 9122 (22U) – Pallet	120665-B21	
	Compaq Rack 9122 (22U) – Shock Pallet	120665-B22	
	Compaq Rack 9122 (22U) – Crated	120665-B23	
	Compaq Rack 9842 (800mm wide, 42U) - Pallet	222192-B21	
	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://www5.compaq.com/products/quickspecs/10366_div/10366_div.HTML (Division/World Wide) http://www5.compaq.com/products/quickspecs/10366_na/10366_na.HTML (North America)		
	NOTE: For additional information regarding Rack Cabinets, please see the following URL: http://www.compaq.com/racks		
Rack Options for HP Rack 10000 Series	Rack Blanking Panels – Graphite (Multi)	253214-B26	
	NOTE: Contains one each of 1U, 2U, 3U, and 4U panel.		
	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).		
	600mm Stabilizer Kit – Graphite	246107-B21	
	800mm Wide Stabilizer Kit (Graphite)	255488-B21	
	NOTE: Supported by the Rack 10842 cabinet only.		
	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 Options, please see the following URL: http://www.compaq.com/rackoptions			

Options

Rack Options for Compaq 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.	
	9142 Extension Kit	120679-B21
	NOTE: The 9142 Extension Kit (PN 120679-B21) supports the Compaq Rack 9142 only.	
	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
	9122 Short Rear Door (Opal)	218219-B21
	9142 Split Rear Door	254045-B21
	NOTE: The 9142 Split Rear Door (PN 254045-B21) supports the 600 mm wide, 42U 9000 series rack.	
	800mm Stabilizer Option Kit (Opal)	234493-B21
	NOTE: The 800mm Stabilizer Kit (PN 234493-B21) supports the Rack 9842 only.	
	600mm Stabilizer Option Kit	120673-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).		
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 Options, please see the following URL: http://www.compaq.com/rackoptions		
Rack Options for Compaq Rack 7000 Series	High Air Flow Rack Door Insert for 7122	157847-B21
	High Air Flow Rack Door Insert for 7142	327281-B21
	High Air Flow Rack Door Insert for 7142 (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 Options, please see the following URL: http://www.compaq.com/rackoptions	

Options

Rack Options for Rack 7000, 9000 and 10000 Series		
	Monitor Utility Shelf	303606-B21
	Ballast Option Kit	120672-B21
	100kg Sliding Shelf	234672-B21
	Rack Rail Adapter Kit (25" depth)	120675-B21
	Monitor/Utility Shelf - Graphite	253449-B21
	Depth Adjustable Fixed Rail	332558-B21
	Cable Management D-Rings Kit	168233-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 (48VDC)	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 (115V)	144007-001
	Switch Box Connector Kit (230V)	144007-002
	Switch Box Connector Kit (high voltage) (Int'l)	144007-B33

Options

Rack Options for Rack 7000, 9000 and 10000 Series <i>(continued)</i>	1U Rack Keyboard & Drawer (Carbon)	257054-xx1																												
	<p>NOTE: The 1U Rack Keyboard & Drawer (PN 257054-xx1) is to be used with the Keyboards for Racks with Trackball (PN 158649-xxx).</p> <p>Country Code Key (for 1U Rack Keyboard & Drawer (PN 257054-xx1))</p> <table border="1"> <tr> <td>XX = 001</td> <td>US</td> <td>XX = 091</td> <td>Norway</td> </tr> <tr> <td>XX = 031</td> <td>UK</td> <td>XX = 101</td> <td>Sweden/Finland</td> </tr> <tr> <td>XX = 041</td> <td>Germany</td> <td>XX = 111</td> <td>Switzerland</td> </tr> <tr> <td>XX = 051</td> <td>France</td> <td>XX = 131</td> <td>Portugal</td> </tr> <tr> <td>XX = 061</td> <td>Italy</td> <td>XX = 181</td> <td>Belgium</td> </tr> <tr> <td>XX = 071</td> <td>Spain</td> <td>XX = 291</td> <td>Japan</td> </tr> <tr> <td>XX = 081</td> <td>Denmark</td> <td>XX = B31</td> <td>International</td> </tr> </table>		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
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	TFT5600 Rack Keyboard Monitor	221546-xx1																												
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	PCI KVM Management Card Kit	232983-B21																												
	PCI KVM Remote Card Kit	232984-B21																												
	Local Access Cable Kit	232985-B21																												
	Input Device Adjustable Rails	287139-B21																												
	<p>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.</p>																													
	Input Device Telco Rail	287138-B21																												
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	Keyboard/Monitor/Mouse extension cables	169989-001																												
	<p>NOTE: For additional information regarding Rack Options, please see the following URL: http://www.compaq.com/rackoptions</p>																													
Third Party Rack Kit	<p>Party Rack ML570/530G2 & DL740 G1 & 760G2 model support:</p> <p>The Party Rack ML570/530G2 & DL740 G1 & 760G2 kit provides support for any rack, 274739-B21 square hole or round hole, (including HP Rack System /E and HP Systems), with an adjustment range from 23 1/2"– 34" deep.</p> <p>NOTE: The Third party rack kit is required for round hole racks or for square hole racks that do not conform to the adjustment range of the standard rail that ships with the server.</p>	274739-B21																												
Telco Rack Support	<p>Party Rack ML570/530G2 & DL740 G1 & 760G2 model support:</p> <p>Support for all 2-post Telco racks requires the Party Rack ML570/530G2 & DL740 G1 & 760G2, (274739-B21) option kit plus an additional option kit from Rack Solutions. The Rack Solutions brackets can be purchased at: http://www.racksolutions.com/compaq</p>	274739-B21																												

Options

Service and Support Offerings (CarePaq Services)	<i>Hardware Services 4-Hour On-site Service</i>	
	4-Hour On-site Service, 9-Hour x 5-Day Coverage, 3 Years (6-3 Part Number for US)	401783-002
	4-Hour On-site Service, 9-Hour x 5-Day Coverage, 3 Years (6-3 Part Number for Canada)	401783-122
	4-Hour On-site Service, 9-Hour x 5-Day Coverage, 3 Years (6-3 Part Number for EMEA)	324418-002
	4-Hour On-site Service, 24-Hour x 7-Day Coverage, 3 Years (6-3 Part Number for US)	401782-002
	4-Hour On-site Service, 24-Hour x 7-Day Coverage, 3 Years (6-3 Part Number for Canada)	401782-122
	4-Hour On-site Service, 24-Hour x 7-Day Coverage, 3 Years (6-3 Part Number for EMEA)	376911-022
	<i>Installation & Start-up Services</i>	
	Hardware Installation (6-3 Part Number for US)	401793-002
	Hardware Installation (6-3 Part Number for Canada)	401793-122
	Hardware Installation (6-3 Part Number for EMEA)	Quote
	Pre-installation planning; unpack equipment, install most current Compaq HW options internal to server at same time of server installation; assemble & test; basic user information provided; Install & configure basic functionality of Win NT Operating System plus up to 1 day start-up activity, configure print & network access services, and orientation (6-3 Part Number for U.S.)	240015-002
	Pre-installation planning; unpack equipment, install most current Compaq HW options internal to server at same time of server installation; assemble & test; basic user information provided; Install & configure basic functionality of Novell NetWare Operating System plus up to 1 day start-up activity, configure print & network access services, and orientation (6-3 Part Number for U.S.)	240010-002
	Server Installation and Set-Up (Installation of the server, installation of the appropriate service tools, check to ensure device SW and firmware is loaded and installation of the operating system software (6-3 Part Number for EMEA)	204564-022
	<i>CarePaq Priority Services for ProLiant Servers – Priority Level</i>	
	9 x 5 HW, 4-hr response, Next Available HW engineer; 9 x 5 Bronze Software Support 2-hr response for Windows NT, Windows 2000, Professional, Server or Advanced Server Operating System, Next Available Specialist (6-3 Part Number for U.S.)	239936-002
	9 x 5 HW, 4-hr response, Next Available HW engineer; 9 x 5 Bronze Software Support 2-hr response for Novell NetWare Operating System, Next Available Specialist (6-3 Part Number for U.S.)	239976-002
	5 x 9 4-hour H/W, 5 x 9 2-hour O/S (NT & NetWare), Three Years (6-3 Part Number for Canada)	155325-122
	5 x 9 4-hour H/W, 5 x 9 2-hour O/S (NT & NetWare), Three Years (6-3 Part Number for EMEA)	118311-022
	<i>CarePaq Priority Services for ProLiant Servers – Priority 24 Level</i>	
	24 x 7 HW, 4-hr response, Named HW engineer; 24 x 7 Bronze Software Support, 2-hr response for Windows NT, Windows 2000, Professional, Server or Advanced Server Operating System, Next Available Specialist (6-3 Part Number for U.S.)	239938-002
	24 x 7 HW, 4-hr response, Named HW engineer; 24 x 7 Bronze Software Support, 2-hr response for Novell NetWare Operating System, Next Available Specialist (6-3 Part Number for U.S.)	239978-002
	7 x 24 4-hour H/W, 7 x 24 2-hour O/S (NT & NetWare), Three years (6-3 Part Number for EMEA)	118317-022
	<i>CarePaq Priority Services for ProLiant Servers – Priority Plus Level</i>	
	7 x 24 4-hour H/W, 7 x 24 1-hour O/S (NT & NetWare), SPS account review, Three Years (6-3 Part Number for Canada)	155333-122

Options

Service and Support Offerings (CarePaq Services) <i>(continued)</i>	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 (6-3 Part Number for U.S.)	239940-002
	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.)	239942-002
	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.)	239980-002
	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.)	239982-002
	CarePaq Priority Services for ProLiant Servers – Priority Gold	
	24 x 7 HW, 4-hr response, Named HW engineer; 24 x 7 Gold Software Support, 30 minute response (critical), 1-hr response (non-critical), for Windows NT, Windows 2000, Professional, Server or Advanced Server Operating System, Technical Account Manager, Technical Newsletter, SW activity review, proactive revision management, Upgrade impact planning, 2 System Healthcheck per year (6-3 Part Number for U.S.)	239944-002
	24 x 7 HW, 4-hr response, Named HW engineer; 24 x 7 Gold Subsequent System Support for Windows NT, Windows 2000, Professional, Server or Advanced Server Operating System (6-3 Part Number for U.S.)	239946-002
	24 x 7 HW, 4-hr response, Named HW engineer; 24 x 7 Gold Software Support, 30 minute response (critical), 1-hr response (non-critical), for Novell NetWare Operating System, Technical Account Manager, Technical Newsletter, SW activity review, Upgrade impact planning (6-3 Part Number for U.S.)	239984-002
	24 x 7 HW, 4-hr response, Named HW engineer; 24 x 7 Gold Subsequent System Support for Novell NetWare Operating System (6-3 Part Number for U.S.)	239986-002
	CarePaq Priority Services for ProLiant Servers – Priority Gold Executive	
	24 x 7 HW, 2-hr response, Named HW engineer; 24 x 7 Gold Software Support, 30 minute response (critical), 1-hr response (non-critical), for Windows NT, Windows 2000, Professional, Server or Advanced Server Operating System, Technical Account Manager, Technical Newsletter, SW activity review, proactive revision management, Upgrade impact planning, 2 System Healthcheck per year (6-3 Part Number for U.S.)	239948-002
	24 x 7 HW, 2-hr response, Named HW engineer; 24 x 7 Gold Subsequent System Support for Windows NT, Windows 2000, Professional, Server or Advanced Server Operating System (6-3 Part Number for U.S.)	239950-002
	24 x 7 HW, 2-hr response, Named HW engineer; 24 x 7 Gold Software Support, 30 minute response (critical), 1-hr response (non-critical), for Novell NetWare Operating System, Technical Account Manager, Technical Newsletter, SW activity review, Upgrade impact planning (6-3 Part Number for U.S.)	239988-002
	24 x 7 HW, 2-hr response, Named HW engineer; 24 x 7 Gold Subsequent System Support for Novell NetWare Operating System (6-3 Part Number for U.S.)	239990-002
	CarePaq Priority Services for ProLiant Servers – Priority Premier Level	
	7 x 24 2-hour H/W, 7 x 24 1-hour O/S (NT & NetWare), SPS Account Review, Proactive Management Review, named S/w rep, Three Years (6-3 Part Number for Canada)	155337-122
	CarePaq Priority Services for ProLiant Servers – Priority Executive Premier Level	
	7 x 24 2-hour H/W, 7 x 24 30-minute O/S (NT & NetWare), SPS Account Review, Proactive Management Review, named S/w rep, Three Years (6-3 Part Number for Canada)	155341-122
	NOTE: For more information, customer/resellers can contact http://www.compaq.com/services .	

Memory

Compaq ProLiant ML570 900 MHz Models

STANDARD MEMORY

1024-MB PC100-MHz Registered ECC SDRAM DIMM installed (4 x 256-MB SDRAM DIMM)

STANDARD MEMORY PLUS OPTIONAL MEMORY

Up to 13,312-MB of memory is available with the optional installation of PC100-MHz Registered ECC SDRAM DIMM memory kits.

STANDARD MEMORY REPLACED WITH OPTIONAL MEMORY

Up to 16,384-MB of memory is available with the removal of the standard 1024-MB of memory and the optional installation of PC100-MHz Registered ECC SDRAM DIMM memory kits

NOTE: This chart does not represent all possible memory configurations.

Memory		Slot															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Standard	1024 MB	256 MB	256 MB	256 MB	256 MB	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty
Optional	13,312 MB	256 MB	256 MB	256 MB	256 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB
Maximum	16,384 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB

Following are memory options available from Compaq:

- 4096-MB PC100-MHz Registered ECC SDRAM Memory Option Kit (4 x 1024 MB) 189083-B21
- 2048-MB PC100-MHz Registered ECC SDRAM Memory Option Kit (4 x 512 MB) 189082-B21
- 1024-MB PC100-MHz Registered ECC SDRAM Memory Option Kit (4 x 256 MB) 189081-B21
- 512-MB PC100-MHz Registered ECC SDRAM Memory Option Kit (4 x 128 MB) 189080-B21

Memory

Compaq ProLiant ML570 700 MHz Models

STANDARD MEMORY

512-MB PC100-MHz Registered ECC SDRAM DIMM installed (4 x 128-MB SDRAM DIMM)

STANDARD MEMORY PLUS OPTIONAL MEMORY

Up to 12,800-MB of memory is available with the optional installation of PC100-MHz Registered ECC SDRAM DIMM memory kits.

STANDARD MEMORY REPLACED WITH OPTIONAL MEMORY

Up to 16,384-MB of memory is available with the removal of the standard 512-MB of memory and the optional installation of PC100-MHz Registered ECC SDRAM DIMM memory kits

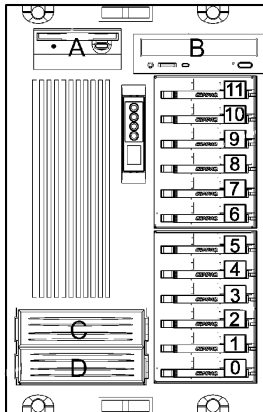
NOTE: This chart does not represent all possible memory configurations.

Memory		Slot															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Standard	512 MB	128 MB	128 MB	128 MB	128 MB	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty
Optional	12,800 MB	128 MB	128 MB	128 MB	128 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB
Maximum	16,384 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB	1024 MB

Following are memory options available from Compaq:

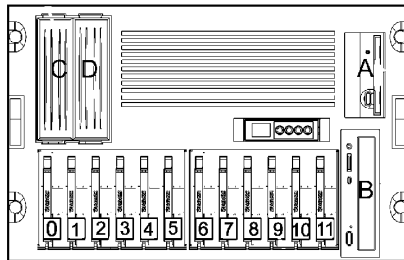
- 4096-MB PC100-MHz Registered ECC SDRAM Memory Option Kit (4 x 1024 MB) 189083-B21
- 2048-MB PC100-MHz Registered ECC SDRAM Memory Option Kit (4 x 512 MB) 189082-B21
- 1024-MB PC100-MHz Registered ECC SDRAM Memory Option Kit (4 x 256 MB) 189081-B21
- 512-MB PC100-MHz Registered ECC SDRAM Memory Option Kit (4 x 128 MB) 189080-B21

Storage



1-inch Drive Locations

- 0 - 11 Two 6 x 1-inch Wide Ultra2/Ultra3 SCSI Hot Pluggable Hard Drive Bays standard
- A 1.44-MB Diskette Drive
- B Low-profile 32x or 40x IDE CD-ROM
- C, D Two available half height bays for tape backup storage or optional ML5xx Two Bay Hot Plug SCSI Drive Cage



1-inch Drive Locations

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DRIVE SUPPORT

	Quantity Supported	Position Supported	Controller
Removable Media			
1.44-MB Diskette Drive	Up to 1	A	Integrated
IDE CD-ROM Drive	Up to 1	B	Integrated IDE
DVD-ROM Drive	Up to 1	B	Integrated IDE
ML5xx Two Bay Hot Plug SCSI Drive Cage	Up to 1	C, D	Integrated SCSI
Hard Drives			
<i>Ultra320 Hot Pluggable Drives</i>			
1-inch	Up to 12	0-11	Integrated Dual Channel Wide Ultra2 SCSI Adapter
146.8-GB 10,000 rpm	Up to 14 (With optional Drive Cage and ML5xx Two Bay Hot Plug SCSI Drive Cage)	0-11, C, D	Integrated Smart Array Controller Module (optional)
72.8-GB 10,000 rpm			Smart Array 532 Controller
36.4-GB 10,000 rpm			Smart Array 5302/128 Controller
72.8-GB 15,000 rpm			Smart Array 5304/256 Controller
36.4-GB 15,000 rpm			Smart Array 5312 Controller
18.2-GB 15,000 rpm			64-bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter
			64-bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter
			64-Bit/133-MHz Dual Channel Ultra320 SCSI Adapter

NOTE: All U320 Universal Hard Drives are backward compatible to U2 or U3 speeds. U320 drives require an optional U320 Smart Array Controller or U320 SCSI HBA to support U320 transfer rates.

Storage

DRIVE SUPPORT *(continued)*

	Quantity Supported	Position Supported	Controller
External Storage			
StorageWorks Enclosure 4300 (supports Wide Ultra3 / Ultra320 drives)	Up to 20	External	Smart Array 532 Controller Smart Array 5302/128 Controller Smart Array 5304/256 Controller Smart Array 5312 Controller 64-bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter 64-bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter 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://www5.compaq.com/products/quickspecs/11033_div/11033_div.HTML			

Maximum Storage Capacity – (Ultra2/Ultra3 Drive Cage, optional ML5xx Two Bay Hot Plug SCSI Drive Cage & StorageWorks Enclosure)

Internal	2.055 TB (12 x 146.8-GB + 2 x 146.8-GB Ultra320 1" Drives)
External	41.104 TB hot plug SCSI storage (20 x (14 x 146.8-GB 1" Ultra320 Drives))
Total	43.159 TB

	Quantity Supported	Position Supported	Controller
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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://www5.compaq.com/products/quickspecs/North_America/10233.html (North America)

<http://www5.compaq.com/products/quickspecs/Division/10233.html> (Division/World Wide)

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://www5.compaq.com/products/quickspecs/North_America/10809.html (North America)

<http://www5.compaq.com/products/quickspecs/Division/10809.html> (Division/World Wide)

Internal AIT 100-GB, Hot Plug Internal AIT 50-GB, Hot Plug Internal AIT 35-GB, LVD Hot Plug Internal 20/40-GB DAT Drive, Hot Plug	Up to 6	2-11, C, D	Smart Array 532 Controller Smart Array 5302/128 Controller Smart Array 5304/256 Controller Smart Array 5312 Controller 64-Bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter 64-Bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter 64-Bit/133-MHz Dual Channel Ultra320 SCSI Adapter *NOTE: The Smart Array 532 Controller does not support the AIT 100-GB Hot Plug Tape Drive.
Internal 12/24-GB DAT	Up to 2	C, D	Integrated Dual Channel Wide Ultra2 Adapter Integrated Smart Array Controller Module (optional) 64-Bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter 64-Bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter 64-Bit/133-MHz Dual Channel Ultra320 SCSI Adapter
Internal 40/80-GB DLT Enhanced	1	C + D (two bays)	Integrated Dual Channel Wide Ultra2 Adapter 64-Bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter 64-Bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter 64-Bit/133-MHz Dual Channel Ultra320 SCSI Adapter

Storage

DRIVE SUPPORT *(continued)*

	Quantity Supported	Position Supported	Controller
Tape Drives <i>(continued)</i>			
Internal AIT 100-GB Tape Drive Internal AIT 50-GB Tape Drive Internal AIT 35-GB, LVD Tape Drive	Up to 2	C, D	Integrated Dual Channel Wide Ultra2 Adapter Integrated Smart Array Controller Module (optional) 64-Bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter 64-Bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter 64-Bit/133-MHz Dual Channel Ultra320 SCSI Adapter
20/40-GB DAT 8 Cassette Autoloader Internal	Up to 1	C, D	64-Bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter 64-Bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter 64-Bit/133-MHz Dual Channel Ultra320 SCSI Adapter
External AIT 100-GB Tape Drive External AIT 50-GB Tape Drive External AIT 35-GB, LVD Tape Drive	Up to 2	External	Integrated Dual Channel Wide Ultra2 Adapter Integrated Smart Array Controller Module (optional) 64-Bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter 64-Bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter 64-Bit/133-MHz Dual Channel Ultra320 SCSI Adapter
External 40/80-GB DLT Enhanced	Up to 3	External	Integrated Dual Channel Wide Ultra2 Adapter 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/66-MHz Dual Channel Wide Ultra3 SCSI Adapter 64-bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter 64-Bit/133-MHz Dual Channel Ultra320 SCSI Adapter
SSL2020 AIT Library	2 drives per SCSI channel	External	64-Bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter 64-Bit/133-MHz Dual Channel Ultra320 SCSI Adapter SAN Access Module for Smart Array 5302 Controller
MSL5026DLX (40/80GB DLT-based) MSL5026SL (SDLT-based) Library MSL5052SL (SDLT-based) Library MSL5052SL (SDLT-based) Library MSL5052S2 (SDLT-based) Library MSL5030L1 (LTO-based) Library MSL5060L1 (LTO-based) Library	2 drives per SCSI channel	External	64-Bit Dual Channel Wide Ultra2 SCSI Adapter 64-Bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter
20/40-GB DAT 8 Cassette Autoloader External	Up to 1	External	64-Bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter 64-Bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter 64-Bit/133-MHz Dual Channel Ultra320 SCSI Adapter
DLT1 1280 SuperLoader	Up to 2	External	64-bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter 64-bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter 64-Bit/133-MHz Dual Channel Ultra320 SCSI Adapter
ESL9198SL ESL9322S2 ESL9322L1 ESL9326SL ESL9595SL ESL9595S2 ESL9595L1	Please see the ESL Library QuickSpecs below to determine configuration requirements	External	64-bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter
ESL9198SL: http://www5.compaq.com/products/quickspecs/10867_div/10867_div.HTML ESL9326SL: http://www5.compaq.com/products/quickspecs/10868_div/10868_div.HTML ESL9595SL: http://www5.compaq.com/products/quickspecs/11332_div/11332_div.HTML ESL9322S2: http://www5.compaq.com/products/quickspecs/11437_div/11437_div.HTML ESL9322L1: http://www5.compaq.com/products/quickspecs/11445_div/11445_div.HTML ESL9595S2: http://www5.compaq.com/products/quickspecs/11436_div/11436_div.HTML ESL9595L1: http://www5.compaq.com/products/quickspecs/11435_div/11435_div.HTML			

Power Specifications

POWER SPECIFICATIONS

Part Number	144579-001
Spare Kit	157793-001
Operational Input Voltage Range (V rms)	90 to 264
Frequency Range (Nominal) (Hz)	47 to 63 (50/60)

Nominal Input Voltage (Vrms)	100	115	208	220	230	240
Max Rated Output Wattage Rating	450	450	450	450	450	450
Nominal Input Current (A rms)	7.1	6.0	3.3	3.1	2.9	2.7
Max Rated Input Wattage Rating (Watts)	692	682	672	662	652	643
Max. Rated VA (Volt-Amp)	706	696	685	675	665	656
Efficiency (%)	65	66	67	68	69	70
Power Factor	0.98	0.98	0.98	0.98	0.98	0.98
Leakage Current (mA)	0.31	0.36	0.65	0.69	0.72	0.75
Maximum Inrush Current (A peak)	42	48	87	92	96	100
Maximum Inrush Current duration (mS)	20	20	20	20	20	20

SYSTEM SPECIFICATIONS

ML570 Fully Configured

Up to 4 Processors, 16 Memory Slots, 12 Hard Drives, 6 PCI Slots, and 3 Hot Plug Power Supplies

Nominal Input Voltage (Vrms)	100	115	208	220	230	240
Fully Loaded System Input Wattage (W)	627	618	609	600	591	583
Fully Loaded System Input Current (A rms)	6.4	5.5	3.0	2.8	2.6	2.5
Fully Loaded System Thermal (BTU-Hr)	2140	2107	2076	2045	2016	1987
Fully Loaded System VA (Volt-Amp)	640	631	621	612	603	595
System Leakage with all power supplies loaded (mA)	0.94	1.08	1.95	2.07	2.16	2.25
System Inrush Current with all power supplies loaded (A)	126	144	261	276	288	300
Power cord requirements	Nema 5-15P to IEC320-C13			Option no./Spare no: See Power Cord chart		
	IEC320-C13 to IEC320-C14			Option no./Spare no: 142259-001/142258-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://activeanswers.compaq.com/aaconfiguratorcode/>

To drill down to calculators:

- Click on: "ProLiant Servers"
- Click on the Server of interest. Example: ML570
- Click on: "Power Calculator" link (You may need to scroll down to see it.)

Power Specifications

Power Cords (13 Cord Sets)	Power Cord Part Number
Country	
APD	139867-006
APD	100613-003
APD	100614-003
Australia	100611-007
Europe	100614-003
France	100614-003
Germany	100614-003
Japan	139867-006
PRC	139867-006
PRC	100613-003
PRC	100661-007
UK	100613-003
US	163719-002

Technical Specifications

System Unit Tower	Dimensions (HxWxD)	20 x 12.8 x 26.5 in/50.8 x 32.5 x 67.3 cm		
	Weight	100 lb/45.36 kg		
	No hard drives installed, one power supply			
	Input Requirements (per power supply)	Rated Input Voltage	100 to 127 VAC/200 to 240 VAC	
		Rated Input Frequency	47 to 63 Hz	
		Input Power	690W @ 110 VAC	
		Rated Input Current	7.6A	
	BTU Rating	2400 BTU/hr		
	SCSI Connectors	Two internal HD68 connectors (supporting Wide Ultra2) One external VHDCI connector (supporting Wide Ultra2) One SCSI knockout		
	Power Supply Output Power (per power supply)	Rated Steady-State Power	450W	
Maximum Peak Power				
Temperature Range	Operating	50° to 95° F/10° to 35° C		
	Non-operating	-20° to 140° F/-29° to 60° C		
	Shipping	-22° to 122° F/-30° to 50° C		
Relative Humidity (non-condensing)	Operating	20% to 80%		
	Non-operating	5% to 90%		
Maximum Wet Bulb Temperature	101.7° F/38.7° C			
Acoustic Noise	Idle (Fixed Disk Drives Spinning)			
	L_{wAd} (BELS)	7.1		
	L_{pAm} (dBA)	54		
	Operating (Random Seeks to Fixed Disks)			
	L_{wAd} (BELS)	7.2		
	L_{pAm} (dBA)	55		

Technical Specifications

System Unit Rack	Dimensions (H x W x D)	12.1 x 17.5 x 25.4 in/30.7 x 44.4 x 64.5 cm		
	Weight	87.4 lb/39.6 kg		
	No hard drives installed, one power supply			
	Input Requirements (per power supply)	Rated Input Voltage	100 to 127 VAC/200 to 240 VAC	
		Rated Input Frequency	47 to 63 Hz	
		Input Power	690W @ 110 VAC/670W @ 220 VAC	
		Rated Input Current	7.6A	
	BTU Rating	2400 BTU/hr		
	SCSI Connectors	Two internal HD68 connectors (supporting Wide Ultra2) One external VHDCI connector (supporting Wide Ultra2) One SCSI knockout		
	Power Supply Output Power (per power supply)	Rated Steady-State Power	450W	
		Maximum Peak Power		
	Temperature Range	Operating	50° to 95 ° F/10° to 35° C	
		Non-operating	-20° to 140° F/-29° to 60° C	
		Shipping	-22° to 122° F/-30° to 50° C	
	Relative Humidity (non-condensing)	Operating	20% to 80%	
Non-operating		5% to 90%		
Maximum Wet Bulb Temperature	101.7° F/38.7° C			
Acoustic Noise	Idle (Fixed Disk Drives Spinning)			
	L_{wAd} (BELS)	7.1		
	L_{pAm} (dBA)	54		
	Operating (Random Seeks to Fixed Disks)			
	L_{wAd} (BELS)	7.2		
	L_{pAm} (dBA)	55		
1.44-MB Diskette Drive	Diskette 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	One-third		
	Drive Rotation	300 rpm		
	Transfer Rate Synchronous Maximum (high/low)	500/250 Kb/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)	169/94 ms	
		Settling Time	15 ms	
		Latency Average	100 ms	
Cylinders (high/low)	80/80			
Read/Write Heads	Two			

Technical Specifications

40X Max IDE CD-ROM Drive	Disk	Applicable Disk	CD-ROM, CD-XA, CD-DA (Mode 1, Mode 2, Form 1 and 2) Photo CD (Single and Multi-session) Mixed Mode (Audio and Data combined) CD-R
		Capacity	540 MB (Mode 1, 12 cm) 650 MB (Mode 2, 12 cm)
Block Size	Mode 1		2,048 bytes
	Mode 2		2,340 bytes, 2,336 bytes
	CD-DA		2,352 bytes
	CD-XA		2,328 bytes
Interface		IDE (ATAPI)	
Access Times (typical)	Random		100 ms
	Full-Stroke		150 ms
Audio Output Level	Line-Out		0.7 VRMS at 47 kOhms
Data Transfer Rate	Sustained		150 KB/s (1X audio)
	Burst		16.67 Mbytes/sec
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	(H x W x D, maximum)		1.7 x 5.85 x 8.11 in/4.29 x 15 x 20.8 cm
	Weight		2.09 lb/0.95 kg

Technical Specifications

32X Max IDE CD-ROM Drive	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	550 MB (Mode 1, 12 cm) 640 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 μ m	
		Block Size	Mode 1	2,048 bytes
			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	150 ms
		Audio Output Level	Line-Out	0.7 VRMS at 47 kOhms
		Headphone	0.6 VRMS at 32 Ohms (maximum volume)	
	Data Transfer Rate	Sustained	150 KB/s (1X audio)	
		Burst	2100 to 4800 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 \pm 25 nm	
		Divergence Angle	53.5 $^{\circ}$ \pm 1.5 $^{\circ}$	
		Output Power	0.14mW	
	Operating Conditions	Temperature	41 $^{\circ}$ to 113 $^{\circ}$ F/5 $^{\circ}$ to 45 $^{\circ}$ C	
		Humidity	10% to 80%	
	Dimensions	(HxWxD, maximum)	1.88 x 5.85 x 8.11 in/4.29 x 15 x 20.8 cm	
		Weight	2.09 lb/0.95 kg	
Integrated 64-bit Dual Channel Wide-Ultra2 SCSI Adapter	Drives Supported	Up to 28 SCSI devices (14 per channel)		
	Data Transfer Method	64-bit PCI bus-master		
	SCSI Channel Transfer Rate	80 MB/s per channel		
	Maximum Transfer Rate per PCI Bus (peak)	133 MB/s per channel		
	SCSI Protocols	Wide Ultra2 SCSI Wide-Ultra SCSI-3 Fast-Wide SCSI-2 Fast SCSI-2		
	Electrical Protocol	Low Voltage Differential (LVD)		
	SCSI Termination	Active Termination		
	External SCSI Connectors	Two 80-Pin VHDCI connectors		
	Internal SCSI Connectors	Two 68-Pin Wide Ultra SCSI-3 connectors		

Technical Specifications

Compaq NC3123 Fast Ethernet NIC PCI 10/100 WOL (Wake On LAN)	Network Interface	10Base-T/100Base-TX	
	Compatibility	PCI, v2.1, IEEE 802.3/802.3u compliant	
	Data Transfer Method	32-bit/33-MHz bus-master PCI	
	Network Transfer Rate		
		10Base-T (Half-Duplex), 10Base-2	10 Mb/s
		10Base-T (Full-Duplex)	20 Mb/s
		100Base-TX (Half-Duplex)	100 Mb/s
		100Base-TX (Full-Duplex)	200 Mb/s
	Connector	RJ-45	
	I/O Address and Interrupt	Automatic Configuration	
Cable Support	10Base-T/100Base-TX	Categories 3, 4 or 5 UTP (2 or 4 pair); up to 328 ft/100 m Category 5 UTP (2 pair); up to 328 ft/100 m	
Video Controller	Controller Chip	ATI RAGE IIC PCI	
	Video DRAM	4 MB Video SDRAM	
	Data Transfer Method	32-bit PCI	
	Support Resolution	Supported Color Depths:	
		640 x 480	16.7M, 64K, 256, 16
		800 x 600	16.7M, 64K, 256, 16
		1024 x 768	16.7M, 64K, 256, 16
	1152 x 864	16.7M, 64K, 256, 16	
	1280 x 1024	16.7M, 64K, 256, 16	
	1600 x 1200	64K, 256, 16	
Connector	VGA		

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