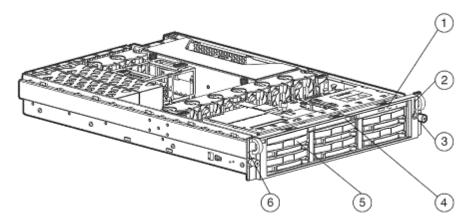
Overview



- 1. 24X Max CD-ROM (with easy front ejection removal)
- 2. Front LEDs (show server status)
- 3. Unit Identification button and LED (for easy in rack server identification)

- 4. 1.44 MB Diskette Drive
- 5. Six 1" Wide Ultra3/Ultra320 SCSI hot plug hard drives and one DAT 40 or DAT 72 hot plug tape drive
- 6. 2U form factor

What's New

The ProLiant DL380 G3 is now available with two new high performance processors:

- The 3.2GHz Intel Xeon processor with 2MB of Level 3 cache delivering top performance for the most demanding applications
- The 2.8GHz Intel Xeon processors with 1MB of Level 3 cache offering a significant performance increase over the 3.06GHz/512MB processor at a price point that won't break your budget.

At A Glance

- Integrated Lights-Out (iLO) Management standard on system board
- Five Peer PCI Architecture up to 3.2 GHz processors and a 533MHz Front Side Bus
- ServerWorks GC -LE Chipset
- Integrated Smart Array 5i Plus Controller with optional Battery-Backed Write Cache (BBWC) Enabler option kit
- Three available 64-bit PCI-X slots, including two hot pluggable 100MHz slots and one 133MHz slot
- Two NC7781 PCI-X Gigabit NICs (embedded)
- Support for up to six 1" Wide Ultra3/Ultra320 SCSI hot plug hard drives or for five hot plug hard drives and one AIT hot plug tape drive
- User configurable single/dual channel drive backplane
- Internal hot plug capacity 1.80 TB standard (6 x 300 GB 1" U320 HD)
- 400-Watt Hot Plug Power Supply (with optional redundancy)
- Hot Pluggable Fans (with optional redundancy)
- Sliding rails and cable management arm for easy serviceability and in-rack tool-less access to major components
- Automatic Server Recovery (ASR), ROM Based Setup Utility (RBSU), Insight Manager 7, Status LEDs including system health and UID and SmartStart
- Protected by HP Services, including a three-year, Next Business Day, on-site limited Global warranty and extended Pre-Failure Warranty, which covers processors, memory, and hard drives - Certain restrictions and exclusions apply. Consult the HP Customer Support Center at 1-800-345-1518 for details.
- Microsoft® Windows® 2000 Model



Standard Features

Processor

One of the following depending on Model:

Intel Xeon Processor 3.2 GHz/533MHz - 512KB/2MB
Intel Xeon Processor 3.2 GHz/533 MHz - 512KB/1MB
Intel Xeon Processor 3.06 GHz/533 MHz - 512KB/1MB
Intel Xeon Processor 2.8 GHz/533MHz - 512KB/1MB
Intel Xeon Processor 3.06 GHz/533MHz - 512KB
Intel Xeon Processor 2.8 GHz/400MHz - 512KB

Intel Xeon Processor 2.4 GHz/400MHz - 512KB

Cache Memory

One of the following depending on Model:

2-MB Level 3 cache

(NOTE: Included with some 3.2 GHz models.)

1-MB Level 3 cache

(NOTE: Included with some 2.8 GHz, 3.2 GHz or 3.06 GHz models.)

512-KB Level 2 cache

(NOTE: Included with all models.)

Upgradability

Upgradable to dual processing

Chipset

ServerWorks GC -LE Chipset

NOTE: For more information regarding ServerWorks, please see the following URL:

http://www.serverworks.com/products/overview.html.

Memory

Standard

1GB of 2-way interleaved PC2100 DDR SDRAM running at up to 266MHz

with Advanced ECC and Online Spare capabilities

Maximum

12 GB (6GB max on 400MHz Front Side Bus Models)

Network Controller

Two NC7781 PCI-X Gigabit NICs (embedded)

Expansion Slots	Slot Number	Bus Speed	Bus Number	Hot Plug	PCI Voltage	Notes
	1	64-bit/133MHz PCI-X	Α	No	3.3 Volt	Supported RILOE II slot
	2	64-bit/100MHz PCI-X	В	Yes	3.3 Volt	
	3	64-bit/100MHz PCI-X	В	Yes	3.3 Volt	

NOTE: For more information regarding PCI-X, please see the following URL: www.hp.com/servers/pci-

Χ.

NOTE: All slots can accept universal keyed PCI cards

Storage Controller

Smart Array 5i Plus Controller (integrated on system board)



Standard Features

Storage Diskette Drive 1.44 MB Diskette Drive

> Optical Drive 24x IDE CD-ROM (Universal Media Bay)

Hard Drives None

> NOTE: The system can be operated in single channel (using either the embedded Smart Array 5i Plus controller or a PCI-based controller) or dual channel (with the first 2 drives on 1 channel, driven by the Smart Array 5i Plus controller and 4 drives driven by either the Smart Array 5i Plus or a PCI-

based controller).

Maximum Internal

Storage

1.80 TB (6 x 300 GB Ultra320 1")

Interfaces 1 Serial

> Pointing Device (Mouse) 1 Graphics Keyboard 1 External SCSI (VHDCI)

Network RJ-45 3 (1 for iLO)

USB

NOTE: Please see the following URL for additional information regarding

USB support:

http://h18004.www1.hp.com/products/servers/platforms/usb-support.html.

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

Form Factor Rack (2U), (3.5-inch)

ProLignt Essentials Foundation Pack Software

HP Systems Insight Manager

HP's new HP Systems Insight Manager (HP SIM) helps maximize system uptime and performance and reduce system maintenance costs by providing proactive notification of problems before those problems result in unplanned downtime or reduced productivity. HP SIM are both easy to set up work with the Insight Management Agents, integrated Light-Out and Remote Insight Light-Outs Edition, and Version Control Agents to deliver robust fault, configuration, and asset management as well as remote administration. With HP SIM customers will also be able to take advantage of role-based security; the ability to manage ProLiant, Integrity, and HP 9000 systems; and plug-ins

for storage, client, printer, and power management as well as server rapid deployment, performance management, and workload management. For more details on HP SIM visit http://www.hp.com/go/hpsim.

SmartStart SmartStart is a tool that simplifies server setup, providing a rapid way to

deploy reliable and consistent server configurations. For more information,

please visit the SmartStart Web site at: http://www.hp.com/servers/smartstart

SmartStart version supported (minimum): SmartStart 6.0



Standard Features

Management Agents

The Management Agents form the foundation for HP's Intelligent Manageability strategy. They provide direct, browser-based access to indepth instrumentation built into HP servers, workstations, desktops, and portables, and send alerts to Insight Manager 7 and other enterprise management applications in case of subsystem or environmental failures. For additional information about the Management Agents and other management products from, HP please visit the management Web site at: http://www.hp.com/servers/manage

Subscribers Choice

Subscriber's Choice Driver and Support Alerts/Notifications is a web-based email subscription service that provides automatic delivery of software and driver change notifications for ProLiant products. Sign up at http://www.hp.com/go/subscriberschoice and customize your profile to receive various new alerts as they become

and customize your profile to receive various new alerts as they become available, on a weekly or monthly basis.

ROMPaq, support software, and configuration utilities

The latest software, drivers, and firmware fully optimized and tested for your ProLiant server and options available in SmartStart or downloadable from Software and Drivers download pages, linked from the SmartStart website at http://www.hp.com/servers/smartstart.

Survey Utility and diagnostics utilities

The most advanced configuration analysis, reporting and troubleshooting utilities used by HP and at your fingertips, available in SmartStart.

Optional ProLiant Essentials Value Packs Optional software offerings that selectively extend the functionality of an Adaptive Infrastructure to address specific business problems and needs:

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

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.



Standard Features

Industry Standard Compliance ACPI 1.0b Compliant PCI 2.2 Compliant WOL Support

Microsoft® Logo certifications

USB 1.1

Manageability Insight Manager 7

HP Systems Insight Manager

Redundant ROM Remote Flash ROM Management Agent

Automatic Server Recovery (ASR) Integrated Management Log

Drive Parameter Tracking (with Smart Array Controllers)
Dynamic Sector Repairing (with Smart Array Controllers)

Hot Spare Boot

(NOTE: Upon the event of a failed processor or VRM in a multi-processing environment, the system will

automatically reboot and use the remaining good processor(s).)
Pre-Failure Warranty (covers processors, hard drives and memory)

Remote Manageability

Integrated Lights Out (iLO)

Integrated Lights Out Advanced Pack (optional) Remote Insight Lights-Out Edition II (optional)

Security

Power-on password Keyboard password Diskette drive control Diskette boot control

QuickLock, Network Server Mode

Serial interface control Administrator's password Disk configuration lock

Server Power Cords

One Lowline NEMA power cord and One Highline IEC Power cord ships standard

Power Supply

400 Watt, CE Mark Compliant

Optional Hot Plug AC Redundant Power Supply and DC Redundant Power Supply

System Fans

5 fans ship standard. 8 total supported internally for full redundancy

NOTE: The additional 3 fans are available via Redundant Fan Option Kit (PN 293048-B21).

Required Cabling

For required cabling information, refer to the Web site at:

http://h18000.www1.hp.com/products/servers/proliantDL380/.



Standard Features

OS Support

Microsoft Windows NT® Server Microsoft Windows 2000 Novell NetWare Caldera OpenUNIX 8

LINUX (Red Hat, SuSE)

NOTE: For a more complete and up-to-date listing of supported OSs and versions, please visit our OS Support Matrix at: http://www.hp.com/go/supportos

NOTE: For an up-to-date listing of the latest drivers available for the ProLiant DL380 G3, please see: http://h18023.www1.hp.com/support/files/server/us/index.html.

NOTE: For a more complete and up-to-date information on Linux support, please visit HP Linux Web site at: http://h18000.www1.hp.com/products/servers/linux/hpLinuxcert.html.

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

Rack Airflow Requirements

Rack 10000 series Cabinets

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

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

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

CAUTION: Always use blanking panels to fill all remaining empty front panel U-spaces in the rack. This arrangement ensures proper airflow. Using a rack without blanking panels results in improper cooling that can lead to thermal damage.

NOTE: For additional information, refer to the Setup and Installation Guide or the Documentation CD provided with the server, or to the server documentation located in the Support section at the following URL: http://h18000.www1.hp.com/products/servers/proliantdl380/index.html.

Rack Kit

Tool-free support for racks with square mounting holes (including Compaq/HP 7000, 9000, 10000 and H9 series), with an adjustment range of 24" - 36".

Telco Rack Support

DL380 G3 Telco Rack Kit:

Support for all 2-post Telco racks requires the use of the standard rack kit and an additional option kit from Rack Solutions (http://www.racksolutions.com/hp).

HP Factory Express Capabilities

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



Standard Features

Service and Support

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

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

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

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

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

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

NOTE: For more information on HP Care Pack services, contact any of our worldwide sales offices or resellers or visit our worldwide Web site on the internet at: http://www.hp.com/hps/carepack
NOTE: For more complete information on HP Services offerings, customers and resellers, please visit us at: http://www.hp.com/hps

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



Models

DL380R03 X3.2-	Processor	(1) Intel Xeon Processor 3.2 GHz standard (up to 2 supported)					
2MB/533, 1GB	Cache Memory	512KB level 2 cache and 2-MB level 3 cache					
352529-001	Memory	1 GB (Standard) to 12 GB (Maximum) of 2-way interleaved capable PC2100 DDR SDRAM running at 266MHz with Advanced ECC capabilitie					
	Network Controller	(2) NC7781 PCI-X Gigabit NIC (embedded)					
	Storage Controller	Smart Array 5i Plus Controller (integrated on system board)					
	Hard Drives	None ship standard					
	Internal Storage	1.80 TB max (with optional hard drives)					
	Optical Drive	24x IDE CD-ROM (Universal Media Bay)					
	Diskette Drive	1.44 MB Diskette Drive					
	Form Factor	Rack (2U), (3.5-inch)					
DL380R03 X3.2-	Processor	(1) Intel Xeon Processor 3.2 GHz standard (up to 2 supported)					
1MB/533, 1GB	Cache Memory	512KB level 2 cache and 1-MB level 3 cache					
333705-001	Memory	1 GB (Standard) to 12 GB (Maximum) of 2-way interleaved capable PC2100 DDR SDRAM running at 266MHz with Advanced ECC capabilities					
	Network Controller	(2) NC7781 PCI-X Gigabit NIC (embedded)					
	Storage Controller	Smart Array 5i Plus Controller (integrated on system board)					
	Hard Drives	None ship standard					
	Internal Storage	1.80 TB max (with optional hard drives)					
	Optical Drive	24x IDE CD-ROM (Universal Media Bay)					
	Diskette Drive	1.44 MB Diskette Drive					
	Form Factor	Rack (2U), (3.5-inch)					
DL380R03 X3.06-	Processor	(1) Intel Xeon Processor 3.06 GHz standard (up to 2 supported)					
1MB/533, 1GB	Cache Memory	512KB level 2 cache and 1-MB level 3 cache					
333704-001	Memory	1 GB (Standard) to 12 GB (Maximum) of 2-way interleaved capable PC2100 DDR SDRAM running at 266MHz with Advanced ECC capabilities					
	Network Controller	(2) NC7781 PCI-X Gigabit NIC (embedded)					
	Storage Controller	Smart Array 5i Plus Controller (integrated on system board)					
	Hard Drives	None ship standard					
	Internal Storage	1.80 TB max (with optional hard drives)					
	Optical Drive	24x IDE CD-ROM (Universal Media Bay)					



Diskette Drive

Form Factor

1.44 MB Diskette Drive Rack (2U), (3.5-inch)

Models

DL380R03 X2.8-1MB/533, 1GB 352526-001 **Processor** (1) Intel Xeon Processor 2.8 GHz standard (up to 2 supported)

Cache Memory 512KB level 2 cache and 1-MB level 3 cache

Memory 1 GB (Standard) to 12 GB (Maximum) of 2-way interleaved capable

PC2100 DDR SDRAM running at 266MHz with Advanced ECC capabilities

Network Controller (2) NC7781 PCI-X Gigabit NIC (embedded)

Storage Controller Smart Array 5i Plus Controller (integrated on system board)

Hard Drives None ship standard

Internal Storage 1.80 TB max (with optional hard drives)
Optical Drive 24x IDE CD-ROM (Universal Media Bay)

Diskette Drive 1.44 MB Diskette Drive Form Factor Rack (2U), (3.5-inch)

DL380R03 X3.06-512KB/533, 1GB 310587-001 Processor (1) Intel Xeon Processor 3.06 GHz standard (up to 2 supported)

Cache Memory 512-KB level 2 cache

Memory 1 GB (Standard) to 12 GB (Maximum) of 2-way interleaved capable

PC2100 DDR SDRAM running at 266MHz, with Advanced ECC capabilities

Network Controller (2) NC7781 PCI-X Gigabit NIC (embedded)

Storage Controller Smart Array 5i Plus Controller (integrated on system board)

Hard Drives None ship standard

Internal Storage 1.80 TB max (with optional hard drives)
Optical Drive 24x IDE CD-ROM (Universal Media Bay)

Diskette Drive 1.44 MB Diskette Drive Form Factor Rack (2U), (3.5-inch)

DL380R03 X2.8-512KB/400, 1GB 349201-001 Processor (1) Intel Xeon Processor 2.8 GHz standard (up to 2 supported)

Cache Memory 512-KB level 2 cache

Memory 1 GB (Standard) to 6 GB (Maximum) of 2-way interleaved capable PC2100

DDR SDRAM running at 200MHz, with Advanced ECC capabilities

Network Controller (2) NC7781 PCI-X Gigabit NIC (embedded)

Storage Controller Smart Array 5i Plus Controller (integrated on system board)

Hard Drives None ship standard

Internal Storage 1.80 TB max (with optional hard drives)
Optical Drive 24x IDE CD-ROM (Universal Media Bay)

Diskette Drive 1.44 MB Diskette Drive Form Factor Rack (2U), (3.5-inch)



Models

DL380R03 X2.8-512KB/400, 1GB, W2K 331441-001 **Processor** (1) Intel Xeon Processor 2.8 GHz standard (up to 2 supported)

Cache Memory 512-KB level 2 cache

Memory 1 GB (Standard) to 6 GB (Maximum) of 2-way interleaved capable PC2100

DDR SDRAM running at 200MHz, with Advanced ECC capabilities

Network Controller (2) NC7781 PCI-X Gigabit NIC (embedded) 10/100/1000 WOL (Wake on

LAN) (embedded)

Storage Controller

Smart Array 5i Plus Controller (integrated on system board)

Hard Drives None ship standard

Internal Storage 1.80 TB max (with optional hard drives)
Optical Drive 24x IDE CD-ROM (Universal Media Bay)

Form Factor Rack (2U), (3.5-inch)

Diskette Drive 1.44 MB Diskette Drive

OS Windows 2000 Server + 5 CALs standard with W2K model (not pre-

installed)

DL380R03 X2.4-512KB/400, 1GB 349200-001 Processor (1) Intel Xeon Processor 2.4 GHz standard (up to 2 supported)

Cache Memory 512-KB level 2 cache

Memory 1GB (Standard) to 6 GB (Maximum) of 2-way interleaved capable PC2100

DDR SDRAM running at 200MHz, with Advanced ECC capabilities

Network Controller (2) NC7781 PCI-X Gigabit NIC (embedded)

Storage Controller Smart Array 5i Plus Controller (integrated on system board)

Hard Drives None ship standard

Internal Storage 1.80 TB max (with optional hard drives)
Optical Drive 24x IDE CD-ROM (Universal Media Bay)

Diskette Drive 1.44 MB Diskette Drive Form Factor Rack (2U), (3.5-inch)



Options

ProLiant DL380 G3 Unique Options	DL380 G3 Redundant Fan Option Kit NOTE: Hot Plug Redundant Fan Option Kit (PN 293048-B21) contains three fans per kit.	293048-B21
	Hot Plug AC Redundant Power Supply Module (NEMA cord)	313054-001
	Hot Plug AC Redundant Power Supply Module (IEC cord)	313054-B21
ProLiant Essentials Value Pack Software	Rapid Deployment Pack, 1 User, V1.x NOTE: This license allows 1 server to be managed and deployed via the Deployment Server.	267196-B21
	Rapid Deployment Pack, 10 Users, V1.x NOTE: This license allows 10 servers to be managed and deployed via the Deployment Server.	269817-B21
	ProLiant Essentials Workload Management Pack (Featuring Compaq Resource Partitioning Manager version 2.0)	303284-B21
	Flexible Quantity License Kit	302127-B21
	License-Only - for use with a Master License Agreement	302128-B21
	ProLiant Essentials Recovery Server Option Pack	280189-B21
	ProLiant Essentials Performance Management Pack, Single License NOTE: This license allows 1 server to be managed by Performance Management Pack.	306696-B21
	ProLiant Essentials Performance Management Pack, 10 Pack Server License	374055-B21
	Performance Management Pack, flexible license kit NOTE: A single pack is shipped with a single license key for the total number of licenses ordered	306697-B21
	ProLiant Essentials Integrated Lights-Out Advanced Pack (Featuring: sophisticated virtual administration features for ultimate control of servers in the data centers and remote sites)	263825-B21
	ProLiant Essentials Intelligent Networking Pack, 1 License	372906-B21
	ProLiant Essentials Intelligent Networking Pack Flex License	372950-B21
	ProLiant Essentials Intelligent Networking Pack Track License	372951-B21
	ProLiant Essentials Virtual Machine Management Pack, Single-Server License NOTE: For use with a single server. Contains one license with a unique license activation key and documentation.	372214-B21
	ProLiant Essentials Virtual Machine Management Pack, Flexible-Quantity License NOTE: For use with multiple servers. This part number can be used to purchase multiple licenses with a single activation key.	372215-B21
	ProLiant Essentials Virtual Machine Management Pack, Tracking License NOTE: For use with signed and implemented Activation Key Agreements only. Purchase of this part number entitles the customer to deploy additional licenses of the product under the terms of the existing Activation Key Agreement.	372216-B21
	ProLiant Essentials Vulnerability and Patch Management Pack, Single-Server License	371645-B21
	ProLiant Essentials Vulnerability and Patch Management Pack, 10-Server License	372029-B21
	ProLiant Essentials Vulnerability and Patch Management Pack, Flexible-Quantity License	371646-B21
	ProLiant Essentials Vulnerability and Patch Management Pack, Tracking license for new servers	371647-B21



Options

o pinomo		
	ProLiant Essentials Vulnerability and Patch Management Pack, Tracking license for installed servers	378372-B21
	NOTE: Flexible and volume quantity license kits are available for ProLiant Essentials Value Packs. Refer to http://www.hp.com/servers/proliantessentials or the various ProLiant Essentials Value Pack product QuickSpecs for more information.	
	NOTE: For more information regarding ProLiant Essentials Software, please see the following URL: http://www.hp.com/servers/proliantessentials .	
Software	HP digital asset protection	302316-001
Processor	Intel Xeon X3.2-2MB/533MHz Processor Option Kit NOTE: The 3.2GHz processor option kits are not backwards compatible; they cannot be used to upgrade systems purchased with 2.4 or 2.8GHz 400MHz Front Side Bus processors. This processor option kit supports the ProLiant ML370 G3 and ProLiant DL380 G3 servers.	352568-B21
	Intel Xeon X3.2-1MB/533MHz Processor Option Kit NOTE: The 3.2GHz processor option kits are not backwards compatible; they cannot be used to upgrade systems purchased with 2.4 or 2.8GHz 400MHz Front Side Bus processors. This processor option kit supports the ProLiant ML370 G3 and ProLiant DL380 G3 servers.	333714-B21
	Intel Xeon X3.06-1MB/533MHz Processor Option Kit NOTE: The 3.06GHz processor option kits are not backwards compatible; they cannot be used to upgrade systems purchased with 2.4 or 2.8GHz 400MHz Front Side Bus processors. This processor option kit supports the ProLiant ML370 G3 and ProLiant DL380 G3 servers.	333713-B21
	Intel Xeon X2.80-1MB/533MHz Processor Option Kit NOTE: The 3.06GHz processor option kits are not backwards compatible; they cannot be used to upgrade systems purchased with 2.4 or 2.8GHz 400MHz Front Side Bus processors. This processor option kit supports the ProLiant ML350 G3, ProLiant ML370 G3 and ProLiant DL380 G3 servers.	352567-B21
	Intel Xeon 3.06 GHz-512KB/533MHz Processor Option Kit NOTE: The 3.06GHz processor option kits are not backwards compatible; they cannot be used to upgrade systems purchased with 2.4 or 2.8GHz 400MHz Front Side Bus processors. This processor option kit supports the ProLiant ML350 G3, ProLiant ML370 G3 and ProLiant DL380 G3 servers.	257916-B21
	Intel Xeon 2.80 GHz-512KB/400MHz Processor Option Kit NOTE: This processor option kit (PN 257915-B21) is not forwards compatible; it cannot be used in systems purchased with 533MHz Front Side Bus processors. This processor option kit supports the ProLiant ML370 G3 and ProLiant DL380 G3 servers.	257915-B21
	Intel Xeon 2.40 GHz-512KB/400MHz Processor Option Kit NOTE: This processor option kit (PN 257913-B21) is not forwards compatible; it cannot be used in systems purchased with 533MHz Front Side Bus processors. This processor option kit supports the ProLiant ML370 G3 and ProLiant DL380 G3 servers.	257913-B21



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Options		
Memory	512MB of Advanced ECC PC2100 DDR SDRAM DIMM Memory Kit (2 x 256 MB)	300678-B21
	1024MB of Advanced ECC PC2100 DDR SDRAM DIMM Memory Kit (2 x 512 MB)	300679-B21
	2048-MB of Advanced ECC PC2100 DDR SDRAM DIMM Memory Kit (2x1024 MB)	300680-B21
	4096MB of Advanced ECC PC2100 DDR SDRAM DIMM Memory Kit (2x 2048 MB) NOTE: The 4096MB of Advanced ECC PC2100 DDR Memory kit (300682-B21) can only be used in 533MHz Front Side Bus models.	300682-B21
Optical Drives	Slimline CD-RW/DVD-ROM Combo Option Kit	331903-B21
	Slimline DVD-ROM Drive (8X/24X) Option Kit (Servers)	264007-B21
Hard Drives	Ultra320 SCSI – Universal Hot Plug	
	300-GB 10,000 rpm U320 Universal Hard Drive (1")	350964-B22
	146.8-GB 10,000 rpm U320 Universal Hard Drive (1")	286716-B22
	72.8-GB 10,000 rpm U320 Universal Hard Drive (1")	286714-B22
	72.8-GB 15,000 rpm U320 Universal Hard Drive (1")	286778-B22
	36.4-GB 15,000 rpm U320 Universal Hard Drive (1")	286776-B22
	NOTE: All U320 Universal Hard Drives are backward compatible to U2 or U3 speeds. U320 drives require an optional U320 Smart Array Controller 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://h18000.www1.hp.com/products/quickspecs/11531_na/11531_na.HTML	
Storage Controllers	Battery Backed Write Cache Enabler Option Kit	255514-B21
	Smart Array 5304/256 Controller	283551-B21
	Smart Array 6402/128 Controller	273915-B21
	Smart Array 6404/256 Controller	273914-B21
	Smart Array 641 Controller	291966-B21
	Smart Array 642 Controller	291967-B21
	128-MB Cache Module for Smart Array 5302 Controller	153506-B21
	256-MB Battery-Backed Cache Module NOTE: This 256-MB Battery-Backed Cache Module supports the Smart Array 5300 series controllers, HP StorageWorks Modular Smart Array 1000 and the HP StorageWorks Modular Smart Array 500.	254786-B21
	256MB DDR, Battery-Backed Cache Upgrade Kit for SA-6400 NOTE: This 256-MB DDR, Battery-Backed Cache upgrade kit supports the Smart Array 6400 series controller only.	273913-B21
	128MB Battery-Backed Cache Enabler NOTE: This 128MB BBWC supports the Smart Array 641 Controller and Smart Array 642 Controller.	351580-B21
	64-Bit/133-MHz Dual Channel Ultra320 SCSI Adapter	268351-B21
	Ultra320 Expansion Module for SA-6402	273911-B21
	64-Bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter, Alternate OS	284688-B21



Options

NOTE: Please see the following Controller or SCSI Adapter QuickSpecs for Technical Specifications such as PCI Bus, PCI Peak Data Transfer Rate, SCSI Protocols supported, SCSI Peak Data Transfer Rate, Channels, SCSI Ports, Drives supported, Cache, RAID support, and additional information:

http://h18000.www1.hp.com/products/quickspecs/10640_na/10640_na.HTML

(Smart Array 5300 Series)

http://h18000.www1.hp.com/products/quickspecs/11746_na/11746_na.HTML

(Smart Array 6400 Series)

http://h18000.www1.hp.com/products/quickspecs/12067_na/12067_na.HTML

(Smart Array 641)

http://h18000.www1.hp.com/products/quickspecs/12069 na/12069 na.HTML

(Smart Array 642)

http://h18000.www1.hp.com/products/quickspecs/10429 na/10429 na.HTML

(SCSI Adapter)

http://h18000.www1.hp.com/products/quickspecs/11555 na/11555 an.HTML

(U320 Adapter)

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NC61/0 Dual Port PCI-X 1000SX Gigabit Server Adapter	3138/9-B21
NC6770 PCI-X Gigabit Server Adapter, 1000-SX	244949-B21
NC7170 Dual Port PCI-X 1000T Gigabit Server Adapter	313881-B21
NC1020 Cu Gigabit Server Adapter 32 PCI Single Port	353377-B21
NC7771 PCI-X 10/100/1000-T Server Adapter	290563-B21

NOTE: Any NIC on the option list can be used for redundancy with the embedded NC7781 Network Controller

DC Power Supply

DC Power Supply for the DL380 (48V)

268290-B21

NOTE: The ProLiant DL380 G3 ships standard with a 100-240 volt auto-switching AC power supply. Each 48-volt DC option kit (PN 268290-B21) contains one power supply. Therefore, to convert to redundant DC power supplies, two must be

purchased.

Redundant Options

Hot	Plug AC	Redundant	Power	Supply	Module ((NEMA (cord)
Hot	Plug AC	Redundant	Power	Supply	Module ((IEC cor	d)

313054-001 313054-B21

Management Options

Remote Insight Lights-Out Edition II

227251-001

NOTE: USB Virtual Media Not Supported.

NOTE: The RILOE II USB Virtual Media feature is not supported on the 2.40 and 2.80 GHz versions of the ProLiant DL380 G3 and ProLiant ML370 G3 servers. The RILOE II cannot be used to connect the local client floppy and CD devices as USB virtual devices to the remote server. All other RILOE II features are supported on these servers. The non-USB based RILOE II Virtual Floppy feature is still supported, allowing you to perform functions such as remote ROM upgrades and server deployment. The Virtual Floppy feature requires loading the floppy image in to the RILOE II. For more details, please refer to the user guide of the RILOE II.



Options		
Security	HP/Atalla AXL600L SSL Accelerator Card for ProLiant Servers	524545-B21
	AXL300 Accelerator PCI Card for ProLiant Servers	227933-B21
Tape Drives	NOTE: External tape devices, including both tape drives and tape arrays/enclosures, can be directly connected to the VHDCI SCSI port located on the back of the server. Use of a SCSI adapter to connect these devices is optional, not required.	
	External, Rack-Mount, and Array Module Ultrium Tape Drives	
	HP StorageWorks Ultrium 215 Tape Drive, External (Carbon)	Q1545A
	HP StorageWorks Ultrium 215 rack-mount (Carbon) - Single drive installed in a 3U rack-mount kit	350544-B21
	HP StorageWorks Ultrium 215 Array Module (Carbon) - Offline hot-swap drive for Tape Array 5300	C7492B
	HP StorageWorks Ultrium 230 Tape Drive, External (Carbon)	Q1517A
	HP StorageWorks Ultrium 230, Rack-mount (Carbon) - Single drive installed in a 3U rack-mount kit	350545-B21
	HP StorageWorks Ultrium 230 Array Module (Carbon) - Offline hot-swap drive for Tape Array 5300	C7470B
	HP StorageWorks Ultrium 460 Tape Drive, External (Carbon)	Q1520A
	HP StorageWorks Ultrium 460, Rack-mount (Carbon) - Single drive installed in a 3U rack-mount kit	350546-B21
	HP StorageWorks Ultrium 460 Array Module (Carbon) - Offline hot-swap drive for Tape Array 5300	Q1512B
	HP StorageWorks Ultrium 960 Tape Drive, External (Carbonite)	Q1539A
	HP StorageWorks Ultrium 960 Rack-mount (Carbonite) - Single drive installed in a 3U rack-mount kit	Q1595A
	NOTE: Please see the HP StorageWorks Ultrium Tape Drive QuickSpecs for additional options such as controllers, media, and other related items: http://h18006.www1.hp.com/products/quickspecs/11739_na/11739_na.html http://h18006.www1.hp.com/products/quickspecs/12128_na/12128_na.html For an up-to-date listing of the latest O/S and software support details for HP Ultrium tape drives, please visit: http://www.hp.com/go/connect .	
	External, Hot-Plug, and Array Module DAT Drives	
	HP StorageWorks DAT 72 Tape Drive, External (Carbon)	Q1523A
	HP StorageWorks DAT 72 Tape Drive, Internal Hot-Plug (Carbon)	Q1529A
	HP StorageWorks DAT 72 Array Module (Carbon) - Offline hot-swap drive for Tape Array 5300	Q1524B
	HP StorageWorks DAT 40 Tape Drive, External (Carbon)	C5687C
	HP StorageWorks DAT 40 Tape Drive, Internal Hot-Plug (Carbon)	Q1546A
	HP StorageWorks DAT 40 Array Module (Carbon) - Offline hot-swap drive for Tape Array 5300	C7497B
	HP StorageWorks DAT 24e Tape Drive, External (Flint)	C1556D
	HP StorageWorks DAT 24 Array Module (Carbon) - Offline hot-swap drive for Tape	C7498A



Array 5300

Options

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

http://h18000.www1.hp.com/products/quickspecs/11883_na/11883_na.HTML For an up-to-date listing of the latest O/S and software support details for HP DAT drives, please visit: http://www.hp.com/go/connect.

External DLT VS Tape Drives

HP StorageWorks DLT VS80 Tape Drive, External (Carbon)

337699-B22

NOTE: Please see the DLT VS80 Tape Drive QuickSpecs for additional options such as host bus adapters, controllers, media, and other options: http://h18006.www1.hp.com/products/quickspecs/11403_na/11403_na.HTM
For an up-to-date listing of the latest O/S and software support details for the DLT

External SDLT Tape Drives

HP StorageWorks SDLT 320 Tape Drive, External (Carbon)

VS80, please visit: http://www.hp.com/go/connect.

257319-001

NOTE: Please see the SDLT 320 Tape Drive QuickSpecs for additional options such as adapters, controllers, and media.

http://h18006.www1.hp.com/products/quickspecs/11840_na/11840_na.HTML For an up-to-date listing of the latest O/S and software support details for HP SDLT tape drives, please visit: http://www.hp.com/go/connect.

Rack-Mount Tape Drive Enclosures

HP StorageWorks 1U Rack-Mount Kit

A7445A

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

HP StorageWorks 3U Rack-Mount Kit

274338-B21

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

HP StorageWorks 5U Rack-Mount Kit

274339-B21

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

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

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

HP StorageWorks Tape Array 5300

C7508A

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

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

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

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

LVD Cable Kit, VHDCI/HD68 168048-B21

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

LVD Cable Kit, HD68/HD68

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

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

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



242381-B21

QuickSnacs

QUICKS	Pecs HP ProLiant DL380 General DL380 Genera	HP ProLiant DL380 Generation 3 (G3		
Options				
	68-pin HD multi-mode terminator	C2364A		
	1.0m 68-pin VHDCI to 68-pin HD cable	C2361B		
	2.5m 68-pin VHDCI to 68-pin HD cable	C2362B		
	5.0m 68-pin VHDCI to 68-pin HD cable	C2365A		
	10.0m 68-pin VHDCI to 68-pin HD cable	C2363B		
	0.5m 68-pin HDI to 68-pin HD cable LVD/SE	C2978B		
	1.5m 68-pin HDI to 68-pin HD cable LVD/SE	C2979B		
	0.9m 68-pin HDI to 68-pin HD cable LVD/SE	C2911C		
	2.5m 68-pin HDI to 68-pin HD cable LVD/SE	C2924C		
	NOTE: For use with Tape Array 5300 only.			
Tape Autoloaders	DAT Autoloader			
•	HP StorageWorks DAT 72x6 External Autoloader	Q1567A		
	NOTE: Please see the DAT Tape Autoloader QuickSpecs for additional options such			
	as host bus adapters, controllers and media:			
	http://h18000.www1.hp.com/products/quickspecs/11985_na/11985_na.HTML			
	HP StorageWorks DAT 40x6 Tape Autoloader, External (Flint)	C5717C		
	NOTE: Please see the DAT Tape Autoloader QuickSpecs for additional options such			
	as host bus adapters, controllers and media: http://h18000.www1.hp.com/products/quickspecs/11985 na/11985 na.HTML			
	HP StorageWorks 1/8 Tape Autoloader			
	1/8 Ultrium 460 Tape Autoloader, Tabletop	AA927A		
	1/8 SDLT 320 Tape Autoloader, Tabletop	AA926A		
	1/8 Ultrium 230 Tape Autoloader, Tabletop	C9572CB		
	1/8 DLT VS80 Tape Autoloader, Tabletop	C9264CB		
	1/8 Tape Autoloader Rackmount Kit	C9268R		
	NOTE: Required to install the 1/8 tape autoloader in a standard 19-inch rack	0,200.		
	NOTE: Please reference the 1/8 Tape Autoloader QuickSpecs at			
	http://www.hp.com/go/automation for additional information needed to create a			
	complete solution; reference current compatibility information at			
	http://www.hp.com/go/ebs			
	HP StorageWorks SSL1016 Tape Autoloader			
	SSL1016 Ultrium 460 Tape Autoloader	330821-B21		
	SSL1016 SDLT 320 Tape Autoloader	330816-B21		
	NOTE: Please reference the SSL1016 Tape Autoloader QuickSpecs at http://www.hp.com/go/automation for additional information needed to create a			
	complete solution; reference current compatibility information at			
	http://www.hp.com/go/ebs.			
Tape Libraries	HP StorageWorks MSL6000 Tape Library			
rupe cipidiles	MSL6030, 1 drive, 30 slots, Ultrium 460, RM	330731-B22		



MSL6030, 1 drive, 30 slots, Ultrium 460, RM with embedded FC router

MSL6030, 2 drive, 30 slots, Ultrium 460, RM

330731-B23

330731-B24

Options

MSL6030, 2 drive, 30 slots, Ultrium 460, RM with embedded FC router	330731-B25
MSL6030, 1 drive, 30 slots, Ultrium 460, TT	330788-B21
MSL6030, 2 drive, 30 slots, Ultrium 460, TT	330788-B22
MSL6060, 2 drive, 60 slot, Ultrium 460, RM	331196-B21
MSL6060, 2 drive, 60 slot, Ultrium 460, RM with embedded FC router	331196-B22
MSL6060, 2 drive, 60 slot, Ultrium 460, TT	331195-B21
NOTE: Please reference the MSL6000 Tape Library QuickSpecs at http://www.hp.com/go/automation for additional information needed to create a complete solution; reference current compatibility information at http://www.hp.com/go/ebs .	
HP StorageWorks MSL5026S2 Tape Library	
MSL5026S2, 1 drive, 26 slots, SDLT 320, RM	293472-B22
MSL5026S2, 2 drive, 26 slots, SDLT 320, RM	293472-B23
MSL5026S2, 1 drive, 26 slots, SDLT 320, RM with embedded FC router	293472-B24
MSL5026S2, 2 drive, 26 slots, SDLT 320, RM with embedded FC router	293472-B25
MSL5026S2, 1 drive, 26 slots, SDLT 320, TT	293473-B21
MSL5026S2, 2 drive, 26 slots, SDLT 320, TT	293473-B22
NOTE: Please reference the MSL5026S2 Tape Library QuickSpecs at http://www.hp.com/go/automation for additional information needed to create a complete solution; reference current compatibility information at http://www.hp.com/go/ebs .	
HP StorageWorks MSL5052S2 Tape Library	
MSL5052S2, 2 drive, 52 slots, SDLT 320, RM	293474-B21
MSL5052S2, 2 drive, 52 slots, SDLT 320, RM with embedded FC router	293474-B24
MSL5052S2, 2 drive, 52 slots, SDLT 320, TT	293476-B21
NOTE: Please reference the MSL5052S2 Tape Library QuickSpecs at http://www.hp.com/go/automation for additional information needed to create a complete solution; reference current compatibility information at http://www.hp.com/go/ebs .	
HP StorageWorks MSL5030 Tape Library	
MSL5030, 1 drive, 30 slots, Ultrium 230, RM	301897-B22
MSL5030, 2 drive, 30 slots, Ultrium 230, RM	301897-B23
MSL5030, 1 drive, 30 slots, Ultrium 230, RM with embedded FC router	301897-B24
MSL5030, 2 drive, 30 slots, Ultrium 230, RM with embedded FC router	301897-B25
MSL5030, 1 drive, 30 slots, Ultrium 230, TT	301898-B21
MSL5030, 2 drive, 30 slots, Ultrium 230, TT	301898-B22
NOTE: Please reference the MSL5030 Tape Library QuickSpecs at http://www.hp.com/go/automation for additional information needed to create a complete solution; reference current compatibility information at http://www.hp.com/go/ebs .	



HP StorageWorks MSL5060 Tape Library

Options

MSL5060, 2 drive, 60 slots, Ultrium 230, RM	301899-B22
MSL5060, 2 drive, 60 slots, Ultrium 230, RM with embedded FC router	301899-B23
MSL5060, 2 drive, 60 slots, Ultrium 230, TT	301900-B21
NOTE: Please reference the MSL5060 Tape Library QuickSpecs at http://www.hp.com/go/automation for additional information needed to create a complete solution; reference current compatibility information at http://www.hp.com/go/ebs . HP StorageWorks ESL E-Series Tape Libraries	
ESL Extended 712e Tape Library, 0 drive, 712 LTO slots	AA934A
ESL Extended 630e Tape Library, 0 drive, 630 SDLT slots	AA935A
ESL E Ultrium 460 drive kit	AA937A
ESL E SDLT 320 drive kit	AA936A
NOTE: Please reference the ESL E-Series Tape Libraries QuickSpecs at http://www.hp.com/go/automation for additional information needed to create a complete solution; reference current compatibility information at http://www.hp.com/go/ebs	
HP StorageWorks ESL9000 Series Tape Libraries	
ESL9595 Extended Tape Library, 0 drive, 400 slots (card cage, Interface Mgr card, Command View license)	343378-B21
ESL9322 Extended Tape Library, 0 drive, 222 slots (card cage, Interface Mgr card, Command View license)	343377-B21
ESL9000 Ultrium 460 drive kit	330834-B21
ESL9000 Ultrium 230 drive kit	301930-B21
ESL9000 SDLT 320 drive kit	293414-B21
NOTE: Please reference the ESL9000 Series Tape Libraries QuickSpecs at http://www.hp.com/go/automation for additional information needed to create a complete solution; reference current compatibility information at http://www.hp.com/go/ebs .	



Options

Magneto-Optical	
Jukeboxes	

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

HP StorageWorks

HP StorageWorks Modular Smart Array 500 Generation 2

335880-B21

Modular Smart Array 500 NOTE: Please see the Modular Smart Array 500 Generation 2 QuickSpecs for additional information including configuration steps and additional options needed for a complete solution at:

http://h18000.www1.hp.com/products/quickspecs/11956 na/11956 na.HTML



Options

Cluster Options	ProLiant Cluster Starter Kit	364023-B21
Clusier Ophons	NOTE: For additional information regarding the ProLiant Cluster Starter Kit please see	004020-021
	the following QuickSpecs at:	
	http://h18000.www1.hp.com/products/quickspecs/11935_na/11935_na.html	
	ProLiant Cluster Kit with OpenView Storage Mirroring	364025-B21
	NOTE: For additional information regarding the ProLiant Cluster Kit with OpenView	
	Storage Mirroring please see the following QuickSpecs at: http://h18000.www1.hp.com/products/quickspecs/11934_na/11934_na.html	
	ProLiant Cluster HA/F200 for the Entry Level SAN	364026-B21
	NOTE: For additional information regarding the ProLiant Cluster for Entry Level SAN	001020 521
	please see the following QuickSpecs at:	
	http://h18000.www1.hp.com/products/quickspecs/11932_na/11932_na.html	
	ProLiant Cluster HA/F500 for the Enterprise SAN	364024-B21
	NOTE: For additional information regarding the ProLiant Cluster HA/F500 for	
	Enterprise SAN please see the following QuickSpecs at:	
	http://h18000.www1.hp.com/products/quickspecs/11933_na/11933_na.html	
	HP Serviceguard for Linux ProLiant Cluster	305199-B24
	(2 node license cluster kit) A.11.15 NOTE: Kit includes 2 licenses, documentation and an Ethernet crossover cable.	
	HP Serviceguard for Linux (single license version for ordering flexibility and to ease	307754-B24
	ordering for larger cluster) A.11.15	007754-024
	NOTE: Kit includes single license version and documentation.	
	NOTE: For additional information regarding the HP Serviceguard for Linux License,	
	please see the following QuickSpecs at:	
	http://h18000.www1.hp.com/products/quickspecs/11518_na/11518_na.html	
	PDC/O5000-EVA Windows RAC Cluster Kit	252478-B25
	ProLiant Parallel Database Cluster for Linux - Oracle9i Real Application Cluster	308225-B22
	NOTE: For additional information regarding the ProLiant Parallel Database Cluster	
	for Linux, please see the following QuickSpecs at:	
	http://www5.compaq.com/products/quickspecs/11688_na/11688_na.html	07040/ 004
	HP Parallel Database Cluster Model PDC/O2000-MSA1000 for Oracle Real Application Cluster on Windows	279406-B24
	NOTE: For additional information regarding the HP Parallel Database Cluster Model	
	PDC/O2000-MSA1000, please see the following QuickSpecs at:	
	http://h18000.www1.hp.com/products/quickspecs/10889_na/10889_na.html	



Options		
External Storage - Rack	HP StorageWorks Modular Smart Array 30 SB NOTE: Rack-mountable 14 drive enclosure with single bus, redundant power supplies	302969-B21
	HP StorageWorks Modular Smart Array 30 DB	302970-B21
	NOTE: Rack-mountable 14 drive enclosure with dual bus, redundant power supplies	
	NOTE: The Modular Smart Array Enclosure 30 Family supports the Wide Ultra3, Ultra320 1" Hot Plug Hard Drives.	
	StorageWorks Modular Smart Array 30 OpenView Storage Mirroring HA Kit - WW	359079-B21
	StorageWorks Modular Smart Array 30 OpenView Storage Mirroring HA Kit - Japan	359079-291
	StorageWorks Modular Smart Array 30 OpenView Storage Mirroring HA Kit - APD	359079-371
	StorageWorks Modular Smart Array 30 OpenView Storage Mirroring HA Kit - EURO	359079-421
	Redundant Power Supply 499W	338296-B21
	Ultra320 Single Bus I/O Module for MSA30	287484-B21
	Ultra320 Dual Bus I/O Module for MSA30	287483-B21
HP StorageWorks	Modular Smart Array 1500 Controller Shelf	AA986A
Modular Smart Array	NOTE: Please see the StorageWorks Modular SAN Array 1500 QuickSpecs for	
1500 cs	additional options and configuration information at:	
	http://www.hp.com/go/MSA1500cs	
HP StorageWorks	HP StorageWorks Modular Smart Array 1000	201723-B22
Modular Smart Array	NOTE: Please see the StorageWorks Modular SAN Array 1000 QuickSpecs for	
1000	additional options and configuration information at:	
	http://www5.compaq.com/products/quickspecs/11033_na/11033_na.HTML	
Network Storage Router	M2402 2FCX 4SCSI LVD Network Storage Router	262653-B21
	M2402 2FCX 4SCSI HVD Network Storage Router	262654-B21
	M2402 4 channel LVD SCSI Module	262659-B21
	M2402 4 channel HVD SCSI Module	262660-B21
	M2402 2 channel FC Module	262661-B21
StorageWorks Options	StorageWorks Director 2/64	286809-B21
	NOTE: Please see the StorageWorks Director 2/64 QuickSpecs for additional	
	information:	
	http://h18000.www1.hp.com/products/quickspecs/11003_na/11003_na.HTML	000100 001
	StorageWorks SAN Switch 2/8-EL	322120-B21
	StorageWorks SAN Switch 2/8-EL Upgrade	325888-B21
	StorageWorks SAN Switch 2/16	322118-B21
UPS and PDU Power	Please see the UPS and PDU cable matrix that lists cable descriptions, requirements, a	nd
Cord Matrix	specifications for UPS and PDU units:	
	ftp://ftp.compaq.com/pub/products/servers/ProLiantstorage/power-protection/powercom/	dmatrix.pdf.



Options		
Uninterruptible Power	HP UPS R1500 XR (1440VA, 1340 Watt), Low Voltage	204404-001
Systems – Rack	HP UPS R3000 XR (2880VA, 2700 Watt), Low Voltage	192186-001
	HP UPS R3000 XR (3000VA, 2700 Watt), High Voltage	192186-002
	HP UPS R5500 XR, (5000VA, 4500 Watt), High Voltage	326529-D71
	HP UPS R12000 XR N+x (200-240V) (hardwired)	207552-B22
	NOTE: The UPS R12000 XR has a hardwired input and output connection.	
HP Power Distribution Unit with Power	HP Power Distribution Unit with Power Monitoring Model S2324 - dual input, 3 phase, 24A	370959-D71
Monitoring	HP Power Distribution Unit with Power Monitoring Model \$1324 - single input, 3 phase, 24A	370960-D71
	HP Power Distribution Unit with Power Monitoring Model S2140 - dual input, 1 phase, 40A	370961-D71
	HP Power Distribution Unit with Power Monitoring Model \$1140 - single input, 1 phase, 40A	370962-D71
Modular Power Distribution Units - 1U0U (Up to 32 outlets)	HP Modular Power Distribution Units (mPDU), Low Volt Model, 24A (100-127 VAC) NOTE: This mPDU (252663-D71) may also be used to connect the low volt model of the UPS R3000 XR.	252663-D71
NOTE: 1U/0U mounting	HP Modular Power Distribution Units (mPDU), High Volt Model, 24A (200-240 VAC)	252663-D72
brackets shipped with the unit (optimized for 10000 and 9000 series	NOTE: Please see the following Modular Power Distribution Unit (Zero-U/1U Modular PDUs) QuickSpecs for additional options including shorter jumper cables	
racks).	and country specific power cords: http://h18000.www1.hp.com/products/quickspecs/11041_na/11041_na.HTML	
USB Options	USB Easy Access Keyboard (Carbonite/Silver)	DC168B#ABA
·	USB Optical Scroll Mouse (Carbonite)	DD441B
Customer Builder	Please see the Enterprise Configurator for configuration assistance at: http://www.hp.com/products/configurator .	
Third Party Rack Kit	Rack Adapter Kit NOTE: This kit allows HP rack servers to fit in racks that are 24" wide.	332815-B21



Options		
HP Rack 5000 Series (Graphite Metallic)	HP 5642 Rack-Unassembled	358254-B21
Rack Options for Rack 5000 Series	Stabilizer Kit for 5642 rack (Graphite Carbon) NOTE: The stabilizing kit is used to prevent rack from tipping over.	374493-B21
	Baying Kit for 5642 rack (Graphite Carbon) NOTE: The baying kit is used to join two or more HP 5642 racks.	374499-B21
HP Rack 10000 Series	10642 (42U) Infrastructure Rack (Low Voltage)	379006-001
(Graphite Metallic)	10642 (42U) Infrastructure Rack (High Voltage)	379005-001
,	HP S10614 (14U) Rack Cabinet - Shock Pallet	292302-B22
	HP 10842 (42U, 800mm wide) – Pallet	257415-B21
	HP 10842 (42U, 800mm wide) – Shock Pallet	257415-B22
	HP 10647 (47U) – Pallet	245160-B21
	HP 10647 (47U) – Crated	245160-B23
	HP 10642 (42U) – Pallet	245161-B21
	HP 10642 (42U) – Shock Pallet	245161-B22
	HP 10642 (42U) – Crated	245161-B23
	HP 10636 (36U) – Pallet	245162-B21
	HP 10636 (36U) – Shock Pallet	245162-B22
	HP 10636 (36U) – Crated	245162-B23
	HP 10622 (22U) – Pallet	245163-B21
	HP 10622 (22U) – Shock Pallet	245163-B22
	HP 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.	
	NOTE: Please see the Rack 10000 QuickSpecs for Technical Specifications such as height, width, depth, weight, and color: http://h18000.www1.hp.com/products/quickspecs/10995_na/10995_na.HTML	
	NOTE: For additional information regarding Rack Cabinets, please see the following URL: http://h18000.www1.hp.com/products/servers/proliantstorage/rack-options/index.html .	



Options

Rack Options for HP Rack 10000 Series	NOTE: For additional information regarding Rack Options, please see the following URL: http://h18000.www1.hp.com/products/servers/proliantstorage/rack-options/index.html .	
	HP Rack Light Kit (Neon)	361589-B21
	HP Rack Plinth Kit (Carbon)	251960-B21
	42U Side Panel – Graphite Metallic	246099-B21
	36U Side Panel – Graphite Metallic	246102-B21
	47U Side Panel – Graphite Metallic	255486-B21
	TFT5600 Rack Keyboard Monitor	221546-001
	1U Rack Keyboard & Drawer (Carbon)	257054-001
	NOTE: For additional information regarding Rack Options, please see the following URL: http://h18000.www1.hp.com/products/servers/proliantstorage/rack-options/index.html .	20,000.000
HP KVM Switch Options	Server Console Switch (KVM), 0 x 1 x 8 port	336044-B21
·	Server Console Switch (KVM), 0 x 2 x 16 port	336045-B21
	IP Console Switch Box (KVM/IP), 1 x 1 x 16	262585-B21
	IP Console Switch Box (KVM/IP), 3 x 1 x 16	262586-B21
	HP 1x4 USB/PS2 KVM Switch, TT	371301-D71
	PS/2 Interface Adapter, 8 pack	262587-B21
	PS/2 Interface Adapter, 1 pack	262588-B21
	CAT5 KVM Expansion Module	262589-B21
	Serial Interface adapter - 1 Pack with power supply	373035-B21
	CAT5e Cable 3', 4 pack	263474-B21
	CAT5e Cable 6', 8 pack	263474-B22
	CAT5e Cable 12', 8 pack	263474-B23
	CAT5e Cable 20', 4 pack	263474-B24
	CAT5e Cable 40', 1 pack	263474-B25
	NOTE: For additional information regarding HP KVM Switches and options, please see the following URL: http://h18004.www1.hp.com/products/servers/proliantstorage/rack-options/list.html#console	
Rack Options for Third Party Cabinet Racks	Round hole rack cabinet rail kit NOTE: Support for racks with round mounting holes (include HP Rack System /E and HP Systems) with an adjustment range of 24"- 36".	293052-B21



Options

HP Factory Express	Factory Installation, Racking, and Customization Services	
	Factory Express Server Configuration Level 1	293355-888
	NOTE: Free Installation of HP Options - Installation of HP Options memory, NICs, hard drives, controllers, processors, I/O cards, pre-install standard OEM OS image, and tape drives. Installation fees will apply to all non-HP certified hardware and asset tags.	
	Factory Express Server Configuration Level 2	266326-888
	NOTE: Includes Level 1 Customer Intent of a ProLiant server and options configuration, OS installation, custom image download, IP addressing, network setting, and custom packaging. Customer unique requirements (quick restore creation, cd duplication, test reports, real-time reporting of server MAC address, password, and RILOE). Customer access, validation and control through VPN (price/server).	
	Factory Express Rack Integration Level 3 with 1 - 3 servers or storage enclosures	325736-888
	Factory Express Rack Integration Level 3 with 4 - 9 servers or storage enclosures	232539-888
	Factory Express Rack Integration Level 3 with 10 or more servers or storage enclosures	325735-888
	NOTE: Includes Level 1 Customer Intent for standard mounted servers and storage units plus standard cable mgmt, RAID configuration, servers & storage, power distribution, networking gear and accessories (price/rack).	
	Factory Express Rack Integration Level 4 with 1 - 3 servers or storage enclosures	325734-888
	Factory Express Rack Integration Level 4 with 4 - 9 servers or storage enclosures	232540-888
	Factory Express Rack Integration Level 4 with 10 or more servers or storage enclosures	325733-888
	NOTE: Includes Level 2 Customer Intent plus customer defined cable management and naming convention, customer furnished image download, IP addressing, cluster configurations (SQL, External storage RAID). Quick restore creation, cd duplication, test reports, real-time reporting of server MAC address, password, RILOE). Customer access and validation through VPN (price/rack).	
	Factory Express Rack Integration Level 5 with 1 - 3 servers or storage enclosures	325732-888
	Factory Express Rack Integration Level 5 with 4 - 9 servers or storage enclosures	232541-888
	Factory Express Rack Integration Level 5 with 10 or more servers or storage enclosures	325731-888
	NOTE: Includes Level 4 Customer Intent plus Custom SW layering and extended test, Customer access, validation and control through VPN, Clustered racks with networking gear and / or external storage array, Start-up installation services custom quote. (price/rack).	
	NOTE: Factory Express Engineered Solution Level 6 is a custom solutions available through Factory Express. Please contact your local reseller or Account Manager.	



Options

Service and Support		
Offerings (HP Care Pack		
Services)		

Hardware Services 4-Hour On-site Service

4-Hour On-site Service, 7-Day x 24-Hour Coverage, 3 Years	U4545A
4-Hour On-site Service, 7-Day x 24-Hour Coverage, 3 Years, Electronic	U4545E
Installation & Start-up Services	

Installation & Start-up Services	
Hardware Installation	U4554A
Hardware Installation, Electronic	U4554E
Installation & Start-Up of a ProLiant server and Microsoft or Linux O/S per the Customer Description and/or Data Sheet. To be delivered on a scheduled basis 8am-5pm, M-F, excl. HP holidays.	U4555A
Installation & Start-Up of a ProLiant server and Microsoft or Linux O/S per the Customer Description and/or Data Sheet. To be delivered on a scheduled basis 8am-5pm, M-F, excl. HP holidays, Electronic	U4555E

Support Plus

Onsite HW support, 8am-9pm, M-F, 4hr response and Microsoft O/S SW Tech
support offsite, onsite at HP's discretion, 8am-9pm, M-F 2hr response time excl. HP
holidays.

Onsite HW support, 8am-9pm, M-F, 4hr response and Microsoft O/S SW Tech
support offsite, onsite at HP's discretion, 8am-9pm, M-F 2hr response time excl. HP
holidays, Electronic

Onsite HV	V support,	8am-9pm,	M-F, 4h	r respons	e and Linux	O/S SW	Tech support
offsite, on:	site at HP's	discretion,	8am-9p	m, M-F 2	?hr response	e time exc	cl. HP holidays

Onsite HW support, 8am-9pm, M-F, 4hr response and Linux O/S SW Tech support
offsite, onsite at HP's discretion, 8am-9pm, M-F 2hr response time excl. HP holidays,
Elecctronic

Support Plus 24

Onsite HW support 24x7, 4hr response and Microsoft O/S SW Tech support offsite,	U4557A
onsite at HP's discretion, 24x7 2hr response time incl. HP holidays.	

Onsite HW support 24x7, 4hr response and Microsoft O/S SW Tech support offsite,
onsite at HP's discretion, 24x7 2hr response time incl. HP holidays, Electronic

Onsite HW support 24x7, 4hr response and Linux O/S SW Tech support offsite, onsite	
at HP's discretion, 24x7 2hr response time incl. HP holidays.	

Onsite HW support 24x7, 4hr response and Linux O/S SW Tech support offsite, onsite
at HP's discretion, 24x7 2hr response time incl. HP holidays, Electronic

HP Care Pack Priority Services for ProLiant Servers - Priority Silver

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



U4556A

U4556E

U4558A

U4558E

U4557E

U4559A

U4559E



Memory

HP ProLiant Model DL380 Generation 3 (G3)

Standard Memory

1 GB PC2100 Registered DDR SDRAM DIMM Memory running at 200MHz or 266MHz comes installed (2 x 512-MB SDRAM) **NOTE**: Early models (2.4GHz and 2.8GHz 400MHz Front Side Bus) shipped standard with 512MB of memory, these models are no longer available.

Standard Memory Plus Optional Memory

Up to 9,216-MB memory is available with the optional installation of PC2100 Registered DDR SDRAM DIMM Memory Option Kit NOTE: 2.4GHz models and some 2.8GHz models support a maximum of 6GB of Memory. See model listings.

Standard Memory Replaced with Optional Memory

Up to 12,288-MB of memory is available with the removal of the standard 512-MB of memory and the optional installation of PC2100 Registered DDR SDRAM DIMM Memory Option Kit

NOTE: 2.4GHz models and some 2.8GHz models support a maximum of 6GB of Memory. See model listings.

NOTE: Chart does not represent all possible configurations.

М	emory			Slot			
		1	2	3	4	5	6
Standard	1024MB	512MB	512MB	Empty	Empty	Empty	Empty
Optional	9,216MB	512MB	512MB	2048MB	2048MB	2048MB	2048MB
Maximum	12,288MB	2048MB	2048MB	2048MB	2048MB	2048MB	2048MB

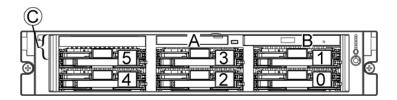
NOTE: In the online spare configuration, the ROM automatically configures the last populated back as the spare memory. If only banks A and B are populated, bank B is the spare bank. If banks A, B, and C are populated, bank C is the spare bank, Online spare memory is configured through RBSU.

Following are memory options available from HP:

300682-B21
300680-B21
300679-B21
300678-B21



Storage



- 0 5 Six 6" Wide Ultra3 SCSI hot plug hard drive bays
 - A 1.44-MB Diskette Drive
 - B 24x IDE CD-ROM (Universal Media Bay)
 - C Six 1" Wide Ultra3/Ultra320 SCSI hot plug hard drives or for five hot plug hard drives and one DAT 40 or DAT 72 hot plug tape drive

Drive Support

	Quantity Supported	Position Supported	Controller
1.44-MB Diskette Drive	1	Α	Integrated
IDE CD-ROM Drive	1	В	Integrated IDE
Slimline DVD-ROM (8x24x) Option Kit (Servers)	1	В	Integrated IDE

Hard Drives

Ultra320 Hot Pluggable Drives

Quantity Supported	Position Supported	Controller
Up to 6	0-5	Smart Array 5i Controller (integrated on system board)
		Smart Array 5304/256 Controller
		Smart Array 6402/128 Controller
		Smart Array 6404/256 Controller
		Smart Array 641 Controller
		Smart Array 642 Controller
	Supported	Supported Supported

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



Storage

Family

1000

External Storage

Modular Smart Array 30

Position Quantity Supported Supported Host Controller or Adapter Up to 13 External Smart Array 5304/256 Controller

Smart Array 6402/128 Controller Smart Array 6404/256 Controller Smart Array 642 Controller

64-Bit/133-MHz Dual Channel Ultra320 SCSI Adapter 64-Bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter,

Alternate OS

Modular Smart Array 500 1 External Please see the Modular Smart Array 500 G2 QuickSpecs for the G2 System

latest list of supported HBAs: http://www.hp.com/go/msa500

Please see the Modular Smart Array 1000 QuickSpecs (URL below) Modular Smart Array Please see the External

> Modular Smart for the latest list of supported HBAs Array 1000

QuickSpecs below to determine configuration requirements

Modular Smart Array Please see the

Please see the Modular Smart Array 1500 cs QuickSpecs (URL External 1500 cs Modular Smart below) for the latest list of supported HBAs

> Array 1500 cs QuickSpecs below to determine configuration requirements

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

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

Maximum Storage Capacity – (Enclosure SCSI Attached) 1.80 TB (6 x 300 GB Ultra320 1") Internal

54.60 TB (13 x (14 x 300 GB Ultra320 1")) External

Total 58.20 TB

Tape Drives

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

NOTE: For an up-to-date listing of the latest O/S Support details for each of the Tape Autoloaders and Tape Libraries listed below, please see the following:

http://h18000.www1.hp.com/products/quickspecs/North America/10809.html

NOTE: For complete listing of tape drive offerings see

http://www.hp.com/products1/storage/compatibility/tapebackup/ISS/index.html

Position Quantity Supported Supported Controller

Smart Array 5i Plus Controller (integrated on system board) HP StorageWorks DAT 40 Up to 2 0+1, 2+3,



Storage

4+5, or 5+C Smart Array 5304/256 Controller Tape Drive, Internal Hot-Smart Array 6402/128 Controller HP StorageWorks DAT 72 Smart Array 6404/256 Controller Tape Drive, Internal Hot-Smart Array 642 Controller Smart Array 641 Controller Plug 64-Bit/133-MHz Dual Channel Ultra320 SCSI Adapter 64-Bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter, Alternate OS 64-Bit/133Mhz Dual Channel Ultra320 SCSI Adapter Ultrium 215, External Up to 2 External Ultrium 230, External 64-Bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter, Alternate Ultrium 460, External OS HP StorageWorks DAT 72 Up to 2 64-Bit/133Mhz Dual Channel Ultra320 SCSI Adapter External 64-Bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter, Alternate Tape Drive, External HP StorageWorks DAT 40 OS Tape Drive, External HP StorageWorks DAT 24 Tape Drive, External HP StorageWorks DLT External 64-Bit/133Mhz Dual Channel Ultra320 SCSI Adapter Up to 2 VS80 Tape Drive, External 64-Bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter, Alternate OS HP StorageWorks SDLT Up to 2 External 64-Bit/133Mhz Dual Channel Ultra320 SCSI Adapter 320 Tape Drive, External 64-Bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter, Alternate OS HP StorageWorks DAT 1 autoloader per External 64-Bit/133Mhz Dual Channel Ultra320 SCSI Adapter 72x6 Tape Autoloader, SCSI channel 64-Bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter, Alternate External OS HP StorageWorks DAT 40x6 Tape Autoloader, External 1/8 Ultrium 460 Tape **Autoloader** 1/8 SDLT 320 Tape **Autoloader** 1/8 Ultrium 230 Tape **Autoloader** 1/8 DLT VS80 Tape **Autoloader** SSL1016 Ultrium 460 Tape Autoloader SSL1016 SDLT 320 Tape **Autoloader** SSL1016 DLT1 Tape **Autoloader**



Storage

MSL6000 (Ultrium 460 based) Tape Library MSL5026S2 (SDLT 320based) Tape Library MSL5052S2 (SDLT 320based) Tape Library MSL5030 (Ultrium 230 based) Tape Library MSL5060 (Ultrium 230 based) Tape Library Please reference External the MSL Tape Library QuickSpecs to determine configuration requirements

64-Bit/133Mhz Dual Channel Ultra320 SCSI Adapter 64-Bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter, Alternate OS

ESL712e ESL630e ESL9322 ETLA ESL9595 ETLA Please reference External the ESL e-series & ESL9000 Series Tape Libraries QuickSpecs to determine configuration requirements

64-Bit/133Mhz Dual Channel Ultra320 SCSI Adapter 64-Bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter, Alternate OS



Power Specifications

Part Number 194989-001 Spare Kit 199382-B21 Operational Input Voltage Range (V 90 to 264

rms)

Frequency Range (Nominal) (Hz) 47 to 63 (50/60)

Nominal Input Voltage (Vrms)	100	115	208	220	230	240
Max Rated Output Wattage Rating	400	400	400	400	400	400
Nominal Input Current (A rms)	5.8	5.0	2.7	2.5	2.4	2.3
Max Rated Input Wattage Rating (Watts)	571	563	548	541	541	541
Max. Rated VA (Volt-Amp)	583	575	559	552	552	552
Efficiency (%)	70	71	73	74	74	74
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)	50	50	50	50	50	50
Maximum Inrush Current duration	20	20	20	20	20	20

System Specifications

ProLiant DL380 Generation 3 Fully Configured

Up to 2 Processors, 6 Memory Slots, 6 Hard Drives, 3 PCI Slots, and 2 Hot Plug Power Supplies

Nominal Input Voltage (Vrms)	100	115	208	220	230	240	
Fully Loaded System Input Wattage (W)	431	411	406	400	395	390	
Fully Loaded System Input Current (A rms)	4.3	3.6	2.0	1.9	1.8	1.7	
Fully Loaded System Thermal (BTU-Hr)	1421	1401	1383	1365	1347	1330	
Fully Loaded System VA (Volt-Amp)	425	419	414	408	403	398	
System Leakage with all power supplies loaded (mA)	0.63	0.72	1.30	1.38	1.44	1.50	
System Inrush Current with all power supplies loaded (A)	100	100	100	100	100	100	
Power cord requirements	Nema 5-15P to IEC320-C13			Option no./Spare no.: See Chart below			
	IEC320-C13 to IEC320-C14			Option no./Spare no.: 142259-001/142258-B21			

NOTES:

To drill down to calculators:

- Click on: "ProLiant Servers"
- Click on the Server of interest. Example: DL380 G3
- Click on: "Power Calculator" link. (You may need to scroll down to see it.)



^{*} To review typical system power ratings use the Active Answers Power Calculator which is available via the online tool located at URL: http://h30099.www3.hp.com/configurator/powercalcs.asp.

Power Specifications

Power Cords (Nema 5-15P to IEC320-C13)	
Standard Power Cord Part Number/Option Power Cord Part	163719-002/227099-001
Number	
Power Cords (IEC320-C13 to IEC320-C14)	
Standard Power Cord Part Number/Option Power Cord Part	142263-003/142257-003
Number	



Technical Specifications

System Unit Dimensions (HxWxD) 3.38 x 17.50 x 25.75 in (8.59 x 44.45 x 65.41 cm)

> Weight Maximum: 60 lb (27.22 kg)

> > 47.18 lb (20.41 kg) No drives:

Input Requirements (per

power supply)

Range Line Voltage 90 to 132 VAC/180 to 265 VAC 100 to 120 VAC/220 to 240 VAC Nominal LineVoltage

Rated Input Current 6A (110V) to 3A (220V)

Rated Input Frequency 50 to 60 Hz

600W Rated Input Power

BTU Rating 1,475 BTU/HR

SCSI Connectors One external VHDCI connector **Power Supply** Rated Steady-State Power 400W **Output Power** Maximum Peak Power 400W (per power supply)

Temperature Range Operating 50° to 95° F (10° to 35° C)

> -40° to 158° F (-40° to 70° C) Shipping

Operating 10% to 90% Relative Humidity (non-condensing) Shipping 5% to 95%

Maximum Wet Bulb

Temperature

82.4° F (28° C)

Acoustic Noise Idle Minimum (Fixed Disk Drives Spinning)

> L WAd (BELS) 7.2 L pAm (dBA) 56

Operating Minimum (Random Seeks to Fixed Disks)

L WAd (BELS) 7.3 57 L pAm (dBA)

Integrated Smart Array 5i Data Compatible with all Yes Plus Controller

Smart Array Controllers

Instant Upgrades to other Yes

Smart Array Controllers

Consistent Software

Manageability Tools

Yes

PCI-X Bus 64-bit, 100 MHz (integrated on system board)

PCI-X Peak Data 800 MB/s

Transfer Rate

SCSI Protocols Supported Ultra3, Ultra2

SCSI Peak Data 160 MB/s per channel

Transfer Rate NOTE: For ProLiant servers having TWO internal drive bays on separate

SCSI ports: SCSI Peak Data Transfer Rate is 320 MB/s total; 160 MB/s per

channel and Channels is 2.

Channels

NOTE: For ProLiant servers having two internal drive bays on separate SCSI ports: SCSI Peak Data Transfer Rate is 320 MB/s total; 160 MB/s per

channel and Channels is 2.



Technical Specifications

SCSI Ports 0/2

(external/internal) NOTE: For ProLiant servers having two internal drive bays on separate SCSI

ports: SCSI Peak Data Transfer Rate is 320 MB/s total; 160 MB/s per

channel and Channels is 2.

Drives Supported Maximum = total number of drives

(maximum) NOTE: Maximum is the total number of internal drives on each specific

ProLiant server.

Cache 64 MB Read and/or Write Cache

Battery-Backed Write

Cache

Yes, with installation of Battery-Backed Write Cache Enabler, up to 64MB

RAID Support 0, 1, 1+0, 5

Logical Drives

(maximum)

Maximum = total number of drives

Online Configuration
Online Capacity

Expansion

Yes Yes

Yes

Logical Drive Capacity

Extension

Yes

Online Stripe Size

Migration

Online RAID Level

Migration

Yes

Online Spare Support Yes
Automatic Data Recovery Yes
Drive Roaming Yes
Redundant Controllers No

NC7781 PCI-X Gigabit NIC (embedded) 10/100/1000 WOL (Wake On LAN)

Network Interface 10Base-T/100Base-TX/1000 BaseTX

Compatibility IEEE 802.3/802.3u compliant

Data Transfer Method 64-bit bus-master PCI-X

Network Transfer Rate 10Base-T (Half-Duplex), 10 Mb/s

10Base-T (Full-Duplex) 20 Mb/s 100Base-TX (Half-Duplex) 100 Mb/s 100Base-TX (Full-Duplex) 200 Mb/s 1000Base-TX (Half- 1000 Mb/s

Duplex)

1000Base-TX (Full-Duplex) 2000 Mb/s

Connector RJ-45

Cable Support 10Base-T Categories 3, 4 or 5 UTP;

up to 328 ft (100 m)

100Base-TX Category 5 UTP; up to 328 ft (100 m) 1000BaseTX Category 5 UTP; up to 328 ft (100 m)



Technical Specifications

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