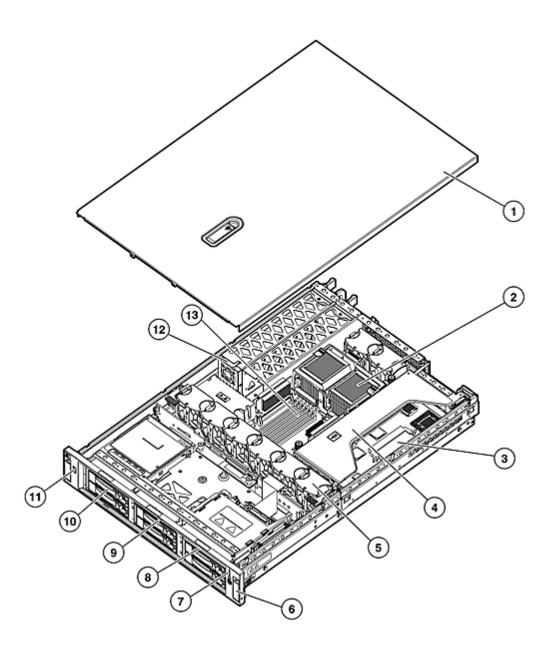
Overview



Overview

- 1. Quick removal access panel
- 2. Intel Xeon Processor (High performance models include two processors)
- 3. Smart Array 6i Ultra320 array controller with optional 128MB Battery Backed Write Cache (BBWC) (High performance models include 128MB BBWC)
- 4. Three PCI-X non hot plug expansion slots (or optional PCI-X hot plug expansion cage or PCI Express expansion cage)
- 5. Hot-plug fans, full redundancy option (All 2M Cache models and High performance models include fully redundant fans)
- 6. Quick release lever for fast server access
- 7. Front LEDs (show server status) and Unit Identification button/LED (for easy in rack server identification)

- 8. 24X Max CD-ROM (High performance models include DVD-ROM drive)
- Optional 1.44 MB (3.5") Diskette Drive (High performance models include Diskette Disk Drive)
- 10. Support for up to six 1" Ultra320 SCSI hot plug hard drives or for five hot plug hard drives and one DAT 40 or DAT 72 hot plug tape drive
- 11. USB port (USB 2.0 Support)
- 12. Hot plug power supply, redundancy option (High performance models include redundant power supply)
- 13. Six PC2-3200R 400MHz DDR2 Sockets

What's New

- Introducing new models of the HP ProLiant DL380 G4, now available with the latest Intel Xeon processors with 2MB L2 Cache and standard hot-plug redundant fans for increased performance and uptime.
- Intel Xeon 3.0GHz, 3.2GHz Processors with 2MB L2 Cache

At a Glance

- 64-bit Intel® Xeon™ processors (up to 3.6 GHz), a 800MHz Front Side Bus and 1MB or 2MB of L2 cache (two processors included in High Performance models)
- High performance models based on the 3.4GHz 2MB Intel Xeon Processor and the 3.6GHz 2MB Intel Xeon Processor
- Intel E7520 Chipset
- 1GB PC2-3200R 400MHz DDR2 Memory with online spare capabilities (2GB included in High Performance model)
- Support for dual-rank 400MHz DDR2 memory
- Integrated Ultra320 Smart Array 6i Controller with 64MB RAM and optional 128MB Battery-Backed Write Cache (BBWC)
 Enabler option kit (128MB BBWC included in High Performance models)
- Support for up to six 1" Ultra320 SCSI hot plug hard drives or for five hot plug hard drives and one DAT hot plug tape drive
- New Power Regulator for ProLiant delivering server level, policy based power management with industry leading energy
 efficiency and savings on system power and cooling costs
- Integrated Lights-Out featuring new firmware v 1.70 with support for Power Regulator for ProLiant and introducing support for the draft DMTF System Management Architecture for Server Hardware Command Line Protocol standard
- Internal hot plug capacity 1.8 TB standard (6 x 300 GB 1" HD)
- Hot Plug Fans with optional full redundancy (Included in 2M Cache and High performance models)
- Hot Plug Power Supply with optional redundancy (Included in High performance models)
- Tool-less access to all system components for easy in rack serviceability
- Three available 64-bit PCI-X slots, including two non-hot plug 100MHz slots and one non-hot-plug 133MHz slot or optional PCI-X Hot-plug cage or Optional PCI Express Non-hot-plug Cage
- Embedded NC7782 Dual Port PCI-X 10/100/1000T Gigabit network adapter
- Optional dual channel drive backplane (2/4 split) (Included in High Performance Models)
- Optional floppy disk drive (Included in High Performance Models)
- USB 2.0 support, one port up front and two ports in back
- Quick Deploy Rail System includes sliding universal rails, an ambidextrous cable management arm and quick release levers
 for fast and easy serviceability and in-rack tool-less access to major components
- High performance models available fully loaded for convenience
- Integrated Lights-Out (iLO) Standard Management on system board
- Support for new iLO Shared Network Port enables access to the iLO management processor through one of the embedded system NICs
- Automatic Server Recovery (ASR), ROM Based Setup Utility (RBSU), HP System Insight Manager, Status LEDs including system



Overview

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.

Standard Features

NOTE: For the Standard Features shipped in the "Factory Integrated Models", please see the "Configuration Information - Factory Integrated Models" section.

Processor

One of the following depending on Model Intel Xeon Processor 3.2 GHz/800MHz -1MB L2 Intel Xeon Processor 3.4 GHz/800MHz -1MB L2

Intel Xeon Processor 3.6 GHz/800MHz -1MB L2

Intel Xeon Processor 3.0 GHz/800MHz -2MB L2

Intel Xeon Processor 3.2 GHz/800MHz -2MB L2

Intel Xeon Processor 3.4 GHz/800MHz -2MB L2

Intel Xeon Processor 3.6 GHz/800MHz -2MB L2

Cache Memory

One of the following depending on Model 1-MB Level 2 cache

2-MB Level 2 cache

Upgradeability

Upgradeable to dual processing

Chipset

Intel E7520 Chipset

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

http://www.intel.com/products/server/chipsets/.

Memory Protection

Online spare

Advanced ECC

Memory

One of the following depending on model Туре

PC2-3200R 400MHz DDR2

Standard (base models)

Standard (High

Performance models)

Maximum

2048MB (Standard on High Performance models)

1024MB (Standard on base models)

12 GB

Network Controller

Embedded NC7782 Dual Port PCI-X 10/100/1000T Gigabit network adapter



6 x 300 GB with standard internal hot plug drive

cage

QuickSpecs

Standard Features

Expansion Slots	Slot Number	Bus Speed	Bus Number*	Device Number**	Hot Plug	PCI Voltage
	1Nottiber	64-bit/133MHz PCI-X	10	1 Normber	no	3.3 Volt
	2	64-bit/100MHz PCI-X	6	1		3.3 Volt
	3	64-bit/100MHz PCI-X	6	2	no no	3.3 Volt
		ersal cards are supported	O	2	ПО	3.3 VOII
PCI-X Hot Plug Riser (C		ersai caras are supported				
rci-x noi riug kiser (C	pilonal) 1	64-bit/133MHz PCI-X	10	1	20	3.3 Volt
	2	64-bit/100MHz PCI-X	6	1	no	3.3 Volt
	3	64-bit/100MHz PCI-X		•	yes	3.3 Volt
			6	2	yes	3.3 VOIT
PCI Express Non-Hot P (Optional)		ersal cards are supported				
	1	PCI Express x4	8	0	no	NA
	2	PCI Express x4	5	0	no	NA
	*NOTE: Defo number. **NOTE: Slo Device ID by NOTE: For n	ards are supported but will rugult bus assignment. Inserting the are enumerated differently bus (starting with the lowest more information regarding IP.com/servers/pci-x.	g cards with PCI by based on OS. M bus).	S OS's enumero	ate from lowes	_
Storage Controller	Smart Array 6i Controller (integrated on system board)					
Storage	Diskette Drive	e 1.44 MB Disl	cette Drive (option	al on some mo	dels)	
	Optical Drive	e 24x IDE CD-	rom (ide dvd-ro	OM included o	n High perform	nance models)
	Hard Drives	None Standard NOTE: The system can be operated in single channel or dual channel (2/4 split). SCSI configuration kit (364471-B21) is required for dual channel configurations.				



Maximum Internal

Storage Type

Hot Plug SCSI

1.8 TB

Standard Features

Interfaces Serial 1

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

Network RJ-45 3 (1 for iLO)
USB 3 (1 front, 2 back)

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)

ProLiant Essentials Foundation Pack Software

HP Systems Insight Manager HP's new HP Systems Insight Manager (HP SIM) helps maximize system uptime and performance and reduce system maintenance costs by providing proactive notification of problems before those problems result in unplanned downtime or reduced productivity. HP SIM are both easy to set up work with the Insight Management Agents, integrated Light-Out and Remote Insight Light-Outs Edition, and Version Control Agents to deliver robust fault, configuration, and asset management as well as remote administration. With HP SIM customers will also be able to take advantage of role-based security; the ability to manage ProLiant, Integrity, and HP 9000 systems; and plug-ins for storage, client, printer, and power management as well as server rapid deployment, performance management, and workload management. For more details on HP 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 7.10

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 HP Systems Insight Manager 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

available, on a weekly or monthly basis.



Standard Features

ROMPaq, support software, and configuration utilities

Software and Drivers download pages http://www.hp.com/go/support.

Optional ProLiant Essentials Value Packs

Edition

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

The latest software, drivers, and firmware fully optimized and tested for your

ProLiant server and options available in SmartStart or downloadable from

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
- Integrated Lights-Out Advanced Pack upgrades the Integrated Lights-Out processor to full virtual presence and control with graphical console and virtual media.
- 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.
- Vulnerability and Patch Management Pack identifies and remediates software security vulnerabilities due to missing patches as well operating system configurations that can be exploited by viruses, worms, and other blended threats.
- Virtual Machine Management Pack provides central management and control of virtual machines from Microsoft and VMware. Integrated approach provides the ability to manage both physical and virtual resources from a single management console.

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

Industry Standard Compliance

ACPI 2.0 Compliant PCI 2.2 Compliant **WOL Support** Microsoft® Logo certifications USB 2.0 Support



Standard Features

Remote Management

Integrated Lights Out (iLO) Standard Management:

- Virtual Text Remote Console
- Virtual Power Button Control
- Dedicated & shared LAN Connectivity
- Browser and command line access
- Automatic IP Configuration via DHCP/DNS/WINS
- Industry Standard 128-bit Secure Sockets Layer (SSL) and Secure Shell Security
- IML and iLO Event Logging
- Support for 12 user accounts with customizable access privilege
- Integrated Lights Out Advanced Pack (optional)
- Remote Insight Lights-Out Edition II (optional)

Intelligent Manageability

HP Systems Insight Manager

SmartStart

Redundant ROM Remote Flash ROM

Management Agent

Integrated Management Log

Automatic Server Recovery (ASR)

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

Server Power Cords

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

Power Supply

575 Watt, CE Mark Compliant

Optional Hot Plug AC Redundant Power Supply

System Fans

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

NOTE: The additional 3 fans are available via Redundant Fan Option Kit (PN 293048-B21), this kit is

included with all high performance and 2MB cache models.

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 Server 2000 Microsoft Windows Server 2003

Novell NetWare LINUX (Red Hat, SuSE) SCO UnixWare, OpenServer

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. 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 G4, 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.

Rack Airflow Requirements

Rack 10000 series Cabinets

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

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

- Front and rear doors: If your 42U server rack includes closing front and rear doors, you
 must allow 830 square inches (5,350 sq cm) of hole evenly distributed from top to bottom
 to permit adequate airflow (equivalent to the required 64 percent open area for ventilation).
- O 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

The DL380 quick deploy rail system provides tool-free support for racks with square or round mounting holes (including Compaq/HP 7000*, 9000, 10000 and HP series), with an adjustment range of 24" - 36". The ambidextrous cable management arm can be mounted on either the left or right side for improved cable management.

NOTE: Cable management arm must be removed to access hot-plug power supplies when the cable management arm is mounted on the right.

*NOTE: High Airflow Inserts (High Air Flow Rack Door Insert for the 7142 Rack (single) – PN: 327281-B21; or High Air Flow Rack Door Insert for the 7142 Rack (6-pack) – PN: 327281-B22) are required to support the DL380 G4 in 7000 series racks. The DL380 G4 Cable Management Arm is not supported on 7000 series racks.



Standard Features

Telco Rack Support

DL380 G4 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 (www.racksolutions.com/hp/)

Factory Express Portfolio for Servers and Storage

HP Factory Express offers configuration, customization, integration and deployment services for HP servers and storage products. Customers can choose how their factory solutions are built, tested, integrated, shipped and deployed.

Factory Express offers service packages for simple configuration, racking, installation, complex configuration and design services as well as individual factory services, such as image loading, asset tagging, and custom packaging. HP products supported through Factory Express include a wide array of servers and storage: HP Integrity, HP ProLiant, HP ProLiant Server Blades, HP BladeSystem, HP 9000 servers as well as the MSA1000, VA7xxx, EVA3000 & EVA5000, XP, rackable tape libraries and configurable network switches.

For more information on how to order please contact your sales representative or go to www.hp.com/go/factory-express.

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.

From Web-based support...to remote diagnostic tools that help decrease downtime...to dedicated onsite service, HP and its service partners provide "as-you-need-it" access to ProLiant-specific knowledge and skills no other vendor can match.

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 services helps you get your ProLiant servers deployed rapidly
- Education courses provide industry leading training for IT professionals
- Support services for fast, efficient resolution of hardware and software issues
- Extending onsite hardware warranty coverage from next business day to same business day 13
 hours, 5 day or 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 coverage for the HP branded hardware options qualified for the server, purchased at the same time or afterward, internal to the enclosure, as well as 22" and smaller external monitors and tower UPS options up to 3kVA; these items will be covered at the same service level and for the same coverage period as the server. Coverage of UPS Battery is not included, standard warranty terms & conditions apply. For servers or storage systems installed within a rack, service also covers all HP qualified rack options installed within the same rack.





Standard Features

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 information on Software Support offers contact any of our worldwide sales offices or resellers or visit our worldwide Web site on the internet at: http://www.hp.com/hps/software

NOTE: For more information on HP ProLiant Essentials support offers contact any of our worldwide sales offices or resellers or visit our worldwide Web site on the internet at: http://www.hp.com/hps/servers/sr_proliant_essentials.html

NOTE: For more information on HP training offers contact any of our worldwide sales offices or resellers or visit our worldwide Web site on the internet at: http://www.hp.com/education/

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

Models (Processors with 2MB Level 2 cache)

DL380R04 X3.6-2MB/800, 1GB 378739-xx1 Processor(s) (1) Intel Xeon Processor 3.6 GHz (up to 2 supported)

Cache Memory 2MB level 2 cache per processor

Memory 1 GB (2 x 512MB) of 2-way interleaved PC2-3200R 400MHz DDR2 with

Advanced ECC and online spare memory capabilities

Network Controller Embedded NC7782 Dual Port PCI-X 10/100/1000T Gigabit network

adapter

Storage Controller Ultra320 Smart Array 6i Controller (integrated on system board)

Hard Drive None ship standard

Internal Storage 1.8 TB max (with optional hard drives)
Optical Drive 24x IDE CD-ROM (Universal Media Bay)

Diskette Drive Optional

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

Availability Hot Plug Fully Redundant Fans Standard

DL380R04 X3.4-2MB/800, 1GB 378737-xx1

Processor(s) (1) Intel Xeon Processor 3.4 GHz (up to 2 supported)

Cache Memory 2MB level 2 cache per processor

Memory 1 GB (2 x 512MB) of 2-way interleaved PC2-3200R 400MHz DDR2 with

Advanced ECC and online spare memory capabilities

Network Controller Embedded NC7782 Dual Port PCI-X 10/100/1000T Gigabit network

adapter

Storage Controller Ultra320 Smart Array 6i Controller (integrated on system board)

Hard Drive None ship standard

Internal Storage 1.8 TB max (with optional hard drives)
Optical Drive 24x IDE CD-ROM (Universal Media Bay)

Diskette Drive Optional

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

Availability Hot Plug Fully Redundant Fans Standard

Models

DL380R04 X3.2-2MB/800, 1GB 378736-xx1 Processor(s) (1) Intel Xeon Processor 3.2 GHz (up to 2 supported)

Cache Memory 2MB level 2 cache per processor

Memory 1 GB (2 x 512MB) of 2-way interleaved PC2-3200R 400MHz DDR2 with

Advanced ECC and online spare memory capabilities

Network Controller Embedded NC7782 Dual Port PCI-X 10/100/1000T Gigabit network

adapter

Storage Controller

Ultra320 Smart Array 6i Controller (integrated on system board)

Hard Drive None ship standard

Internal Storage 1.8 TB max (with optional hard drives)
Optical Drive 24x IDE CD-ROM (Universal Media Bay)

Diskette Drive Optional

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

Availability Hot Plug Fully Redundant Fans Standard

DL380R04 X3.0-2MB/800, 1GB 378735-xx1 Processor(s) (1) Intel Xeon Processor 3.0 GHz (up to 2 supported)

Cache Memory 2MB level 2 cache per processor

Memory 1 GB (2 x 512MB) of 2-way interleaved PC2-3200R 400MHz DDR2 with

Advanced ECC and online spare memory capabilities

Network Controller Embedded NC7782 Dual Port PCI-X 10/100/1000T Gigabit network

adapte

Storage Controller

Ultra320 Smart Array 6i Controller (integrated on system board)

Hard Drive None ship standard

Internal Storage 1.8 TB max (with optional hard drives)
Optical Drive 24x IDE CD-ROM (Universal Media Bay)

Diskette Drive Optional

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

Availability Hot Plug Fully Redundant Fans Standard

DL380R04 X3.6-2MB/800, 2GB High Performance 378740-xx1 Processor(s) (2) Intel Xeon Processor 3.6 GHz

Cache Memory 2MB level 2 cache per processor

Memory 2 GB (2 x 1024MB) of 2-way interleaved PC2-3200R 400MHz DDR2 with

Advanced ECC and online spare memory capabilities

Network Controller Embedded NC7782 Dual Port PCI-X 10/100/1000T Gigabit network

adapter

Storage Controller Ultra320 Smart Array 6i Controller (integrated on system board) with 128MB

Battery Backed Write Cache (BBWC) and Duplex backplane standard (SCSI

configuration kit)

Hard Drive

Optical Drive

Diskette Drive

Form Factor

None ship standard

DVD-ROM Drive

1.44 MB Diskette Drive

Rack (2U), (3.5-inch)

Availability Hot Plug Fully Redundant Fans Standards

Hot Plug Redundant Power Supplies Standard



Models

DL380R04 X3.4-2MB/800, 2GB High Performance 378738-xx1 Processor(s) (2) Intel Xeon Processor 3.4 GHz
Cache Memory 2MB level 2 cache per processor

Memory 2 GB (2 x 1024MB) of 2-way interleaved PC2-3200R 400MHz DDR2 with

Advanced ECC and online spare memory capabilities

Network Controller Embedded NC7782 Dual Port PCI-X 10/100/1000T Gigabit network

adapter

Storage Controller Ultra320 Smart Array 6i Controller (integrated on system board) with 128MB

Battery Backed Write Cache (BBWC) and Duplex backplane standard (SCSI

configuration kit)

Hard Drive

Optical Drive

Diskette Drive

Form Factor

None ship standard

DVD-ROM Drive

1.44 MB Diskette Drive

Rack (2U), (3.5-inch)

Availability Hot Plug Fully Redundant Fans Standards

Hot Plug Redundant Power Supplies Standard

Models (Processors with 1MB Level 2 cache)

DL380R04 X3.2-1MB/800, 1GB 370596-xx1 Processor(s) (1) Intel Xeon Processor 3.2 GHz (up to 2 supported)

Cache Memory 1MB level 2 cache

Memory 1 GB (2 x 512MB) of 2-way interleaved PC2-3200R 400MHz DDR2 with

Advanced ECC and online spare memory capabilities

Network Controller Embedded NC7782 Dual Port PCI-X 10/100/1000T Gigabit network

adapter

Storage Controller

Ultra320 Smart Array 6i Controller (integrated on system board)

Hard Drive

None ship standard

Internal Storage
Optical Drive

1.8 TB max (with optional hard drives)24x IDE CD-ROM (Universal Media Bay)

Diskette Drive

Optional

Form Factor

Rack (2U), (3.5-inch)



Models

DL380R04 X3.4-1MB/800, 1GB 311143-xx1

Processor(s) (1) Intel Xeon Processor 3.4 GHz (up to 2 supported)

Cache Memory 1MB level 2 cache

1 GB (2 x 512MB) of 2-way interleaved PC2-3200R 400MHz DDR2 with Memory

Advanced ECC and online spare memory capabilities

Embedded NC7782 Dual Port PCI-X 10/100/1000T Gigabit network Network Controller

adapter

Storage Controller

Ultra320 Smart Array 6i Controller (integrated on system board)

Hard Drive None ship standard

Internal Storage 1.8 TB max (with optional hard drives) **Optical Drive** 24x IDE CD-ROM (Universal Media Bay)

Diskette Drive Optional

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

DL380R04 X3.4-1MB/800, 2GB High **Performance** 373822-xx1

Processor(s) (2) Intel Xeon Processor 3.4 GHz

Cache Memory 1-MB level 2 cache

2 GB (2 x 1024MB) of 2-way interleaved PC2-3200R 400MHz DDR2 with Memory

Advanced ECC and online spare memory capabilities

Network Controller Embedded NC7782 Dual Port PCI-X 10/100/1000T Gigabit network

adapter

Storage Controller Ultra320 Smart Array 6i Controller (integrated on system board) with 128MB

Battery Backed Write Cache (BBWC) and

Duplex backplane standard (SCSI configuration kit)

Hard Drive None ship standard

Availability Hot Plug Fully Redundant Fans Standards

Hot Plug Redundant Power Supplies Standard

Internal Storage 1.8 TB max (with optional hard drives)

Optical Drive DVD-ROM Drive Diskette Drive 1.44MB Diskette Drive

Form Factor

Rack (2U), (3.5-inch)

DL380R04 X3.6-1MB/800, 1GB 311144-xx1

Processor(s) (1) Intel Xeon Processor 3.6 GHz (up to 2 supported)

Cache Memory 1MB level 2 cache

1 GB (2 x 512MB) of 2-way interleaved PC2-3200R 400MHz DDR2 with Memory

Advanced ECC and online spare memory capabilities

Network Controller Embedded NC7782 Dual Port PCI-X 10/100/1000T Gigabit network

adapter

Storage Controller

Ultra320 Smart Array 6i Controller (integrated on system board)

Hard Drive None ship standard

Internal Storage 1.8 TB max (with optional hard drives) Optical Drive 24x IDE CD-ROM (Universal Media Bay)

Diskette Drive Optional

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



Models

DL380R04 X3.6-1MB/800, 2GB High Performance 361011-xx1 Processor(s) (2) Intel Xeon Processor 3.6 GHz

Cache Memory 1-MB level 2 cache

Memory 2 GB of 2-way interleaved PC2-3200R 400MHz DDR2 with Advanced ECC

and online spare memory capabilities

Network Controller Embedded NC7782 Dual Port PCI-X 10/100/1000T Gigabit network

adapter

Storage Controller Ultra320 Smart Array 6i Controller (integrated on system board) with 128MB

Battery Backed Write Cache (BBWC) and

Duplex backplane standard (SCSI configuration kit)

Hard Drive None ship standard

Availability Hot Plug Fully Redundant Fans Standards

Hot Plug Redundant Power Supplies Standard

Internal Storage 1.8 TB max (with optional hard drives)

Optical Drive DVD-ROM Drive

Diskette Drive 1.44MB Diskette Drive

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

Country Code Key

XX=00 U.S.

 XX=20
 Brazil

 XX=29
 Japan

 XX=37
 APD

 XX=42
 Euro

XX=AA PRC



Configuration Information - Factory Integrated Models

NOTE: HP does not allow factory integration of options into standard models listed above.

Configure-to-order servers must start with a CTO Chassis.

NOTE: This product offering does not support HP Factory Express Server Configuration Level 1.

Step 1: Base Configuration

Models HP ProLiant DL380G4 Rack Chassis (North America)

371293-405

Factory Integrated Model ships with:

Embedded NC7782 Dual Port PCI-X 10/100/1000T Gigabit network adapter

Ultra320 Smart Array 6i Controller (integrated on system board)

Three available 64-bit PCI-X slots, including two non-hot plug 100MHz slots and one

non-hot-plug 133MHz slot

575 Watt hot plug power supply, CE Mark Compliant

One Lowline NEMA power cord and One Highline IEC Power cord

5 hot plug fans Rack (2U), (3.5-inch)

Step 2: Choose Required Options (only one of the following from each list unless otherwise noted)

Processors	Intel X3.2GHz/800-1MB 380G4 FIO BASE NOTE: If 2 processors are desired, select one 374492-L21and one 374492-B21	374492-L21
	Intel X3.4GHz/800-1MB 380G4 FIO BASE NOTE: If 2 processors are desired, select one 311583-L22 and one 311583-B21 unless High Performance Model features are sought. If HPM features are desired, select one 311583-L22 and one 380100-001.	311583-L22
	Intel X3.6GHz/800-1MB 380G4 FIO BASE NOTE: If 2 processors are desired, select one 311584-L22 and one 311584-B21 unless High Performance Model features are sought. If HPM features are desired, select one 311584-L22 and one 380101-001.	311584-L22
	Intel X3.0/800-1M 380 G4 FIO BASE	380040-L22
	Intel X3.0/800-2M 380 G4 FIO BASE	378748-L22
	Intel X3.2/800-2M 380 G4 FIO BASE	378749-L22
	Intel X3.4/800-2M 380 G4 FIO BASE NOTE: If 2 processors are desired, select one 378750-L22 and one 378750-B22 unless High Performance Model features are sought. If HPM features are desired, select one 378750-L22 and one 382616-001.	378750-L22
	Intel X3.6/800-2M 380 G4 FIO BASE NOTE: If 2 processors are desired, select one 378751-L22 and one 378751-B22 unless High Performance Model features are sought. If HPM features are desired, select one 378751-L22 and one 382617-001.	378751-L22
Base Memory	1GB of Advanced PC2 PC3200 DDR2 SDRAM DIMM Memory Kit (2 x 512 MB)	343055-B21
	2GB of Advanced PC2 PC3200 DDR2 SDRAM DIMM Memory Kit (2x1024 MB)	343056-B21
	4GB of Advanced PC2 PC3200 DDR2 SDRAM DIMM Memory Kit (2x2048 MB)	343057-B21
Optical Drive	Slimline DVD-ROM Drive (8x/24x) Option Kit	264007-B21
	Slimline CD-RW/DVD-ROM Combo Option Kit	331903-B21
	HP ProLiant Slim CD-ROM FIO Base	338732-B21





Configuration Information - Factory Integrated Models

Step 3: Choose Additional Factory Integratable Options

Performance Packs

The DL380 G4 performance packs are necessary to configure a DL380 G4 High Performance Model. ProLiant DL380 G4 High Performance model includes the latest performance technologies and enterprise class availability features pre-installed for convenience and value. The performance pack includes a 2nd processor, redundant fans and power supplies, floppy drive, 128MB of BBWC and the duplex backplane option (SCSI configuration kit).

HP DL380G4 3.4 HPM Perf. Pack, US	380100-001
HP DL380G4 3.4 HPM Perf. Pack, WW	380100-B21
HP DL380G4 3.6 HPM Perf. Pack, US	380101-001
HP DL380G4 3.6 HPM Perf. Pack, WW	380101-B21
HP DL380G4 3.4/2M HPM PERF PACK FIO US	382616-001
HP DL380G4 3.4/2M HPM PERF PACK FIO ALL	382616-B21
HP DL380G4 3.6/2M HPM PERF PACK FIO US	382617-001
HP DL380G4 3.6/2M HPM PERF PACK FIO ALL	382617-B21

Step 4: Choose Additional Options for Factory Integration

NOTE: For additional options, please refer to the "Options" section below.

Options

NOTE C		formula o
ProLiant DL380 G4 Unique Options	ay not be factory integratable. Please contact your local sales representative for additional in DL380 G4 Redundant Fan Option Kit NOTE: Hot Plug Redundant Fan Option Kit (PN 293048-B21) contains three fans. This kit is included with all 2MB cache and high performance models.	293048-B21
	Hot Plug AC Redundant Power Supply Module (NEMA and IEC cords) (NA and Japan)	355892-001
	Hot Plug AC Redundant Power Supply Module (IEC cord) (WW)	355892-B21
	Floppy Drive Option Kit	364507-B21
	NOTE: Included in high performance models.	
	SCSI Configuration Kit	364471-B21
	NOTE: Kit Includes duplex drive backplane terminator and 2 long SCSI cables.	
	PCI-X Hot Plug Riser Cage Option Kit	354676-B21
	PCI Express Riser Cage Option Kit	354675-B21
	NOTE: For information about PCI Express visit:	
	http://www.hp.com/servers/pci-express	
ProLiant Essentials	Rapid Deployment Pack, 1 User, V1.x	267196-B21
Value Pack Software	NOTE: This license allows 1 server to be managed and deployed via the Deployment Server.	
	Rapid Deployment Pack, 1 User, V1.x (Japan) NOTE: This license allows 1 server to be managed and deployed via the Deployment Server.	267196-291
	Rapid Deployment Pack, 10 Users, V1.x	269817-B21
	NOTE: This license allows 10 servers to be managed and deployed via the Deployment Server.	20,01, 521
	Rapid Deployment Pack, 10 Users, V1.x (Japan) NOTE: This license allows 10 servers to be managed and deployed via the Deployment Server.	269817-291
	ProLiant Essentials Workload Management Pack (Featuring Resource Partitioning Manager version 2.0)	303284-B21
	Rapid Deployment Pack, Flexible Quantity License Kit	302127-B21
	License-Only - for use with a Master License Agreement	302128-B21
	ProLiant Essentials Performance Management Pack v2.0, Single License NOTE: This license allows 1 server to be managed by Performance Management Pack.	306696-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



Options

Ophons		
	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
	ProLiant Essentials Vulnerability and Patch Management Pack, Tracking license for installed servers	378372-B21
	ProLiant Essentials Vulnerability and Patch Management Pack, 1-Server 10-Desktop Bundle License	389941-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 .	
ProLiant Software	ProLiant Software Maintenance Subscription	355060-B21
Maintenance Subscription	ProLiant Software Maintenance Single Release	356573-B21
	ProLiant Foundation Pack Single Release	356604-B21
	NOTE: Please see the SmartStart QuickSpecs for additional information regarding the	
	subscription purchase:	
	http://h18000.www1.hp.com/products/quickspecs/12007_div/12007_div.HTML (Worldwide)	
	http://h18000.www1.hp.com/products/quickspecs/12007_na/12007_na.HTML (North America)	
Software	HP digital asset protection	302316-001
Processor	Intel Xeon X3.2-1MB/800MHz Processor Option Kit	374492-B21
	Intel Xeon X3.4-1MB/800MHz Processor Option Kit	311583-B21
	Intel Xeon X3.6-1MB/800MHz Processor Option Kit	311584-B21
	Intel Xeon X3.0-2MB/800MHz Processor Option Kit	378748-B21
	Intel Xeon X3.2-2MB/800MHz Processor Option Kit	378749-B21
		070750 001
	Intel Xeon X3.4-2MB/800MHz Processor Option Kit	378750-B21



1GB of Advanced PC2 PC3200 DDR2 SDRAM DIMM Memory Kit (2 x 512 MB)	343055-B2
2GB of Advanced PC2 PC3200 DDR2 SDRAM DIMM Memory Kit (2 x 1024 MB)	343056-B2
4GB of Single-Ranked PC2 PC3200 DDR2 SDRAM DIMM Memory Kit (2x2048 MB)	343057-B2
4GB of 2-Rank Advanced ECC PC3200 DDR2-400 SDRAM DIMM Memory Kit (2 x 2048 MB)	375004-B21
NOTE: There are configuration limitations associated with this kit, please see memory section for more information.	
Slimline CD-RW/DVD-ROM Combo Option Kit	331903-B2
Slimline DVD-ROM Drive (8x/24x) Option Kit	264007-B2
NOTE: Included in high performance models.	
HP DVD+R/RW 8X Slim	383975-B2
Floppy Drive Kit NOTE: Included in high performance models.	364507-B2 ⁻
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
146.8-GB Ultra320 SCSI 15,000 rpm Hard Drive, 1"	347708-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	
NOTE: Please see the Hard Drive QuickSpecs for Technical Specifications such as capacity, height, width, interface, transfer rate, seek time, physical configuration, and operating temperature:	
U320 Hard Drive QS: http://h18000.www1.hp.com/products/quickspecs/11531_div/11531_div.HTML (Worldwide)	
	(2 x 512 MB) 2GB of Advanced PC2 PC3200 DDR2 SDRAM DIMM Memory Kit (2 x 1024 MB) 4GB of Single-Ranked PC2 PC3200 DDR2 SDRAM DIMM Memory Kit (2x2048 MB) 4GB of 2-Rank Advanced ECC PC3200 DDR2-400 SDRAM DIMM Memory Kit (2 x 2048 MB) NOTE: There are configuration limitations associated with this kit, please see memory section for more information. Slimline CD-RW/DVD-ROM Combo Option Kit Slimline DVD-ROM Drive (8x/24x) Option Kit NOTE: Included in high performance models. HP DVD+R/RW 8X Slim Floppy Drive Kit NOTE: Included in high performance models. Ultra320 SCSI - Universal Hot Plug 300-GB 10,000 rpm, U320 Universal Hard Drive, 1" 146.8-GB 10,000 rpm, U320 Universal Hard Drive, 1" 146.8-GB 0ltra320 SCSI 15,000 rpm Hard Drive, 1" 12.8-GB 15,000 rpm, U320 Universal Hard Drive, 1" 36.4-GB 15,000 rpm, U320 Universal Hard Drive, 1" NOTE: All U320 Universal Hard Drives are backward compatible to U2 or U3 speeds. 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:



Options

Storage	Controllers
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NOTE: Please refer to the HP ProLiant DL380 G4 SCSI Cabling Matrix for information on what's required to cable optional array controllers: ftp://ftp.compaq.com/pub/products/servers/proliantdl380/dl380g4-cablingmatrix.pdf Smart Array 6i 128MB Battery Backed Write Cache Enabler Option Kit 346914-B21 NOTE: Included in high performance models. 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 128MB Battery-Backed Cache Enabler 351580-B21 NOTE: This 128MB BBWC supports the Smart Array 641 Controller and Smart Array 642 Controller. 256MB DDR, Battery-Backed Cache Upgrade Kit for SA-6400 273913-B21 NOTE: This 256MB DDR, Battery-Backed Cache upgrade kit supports the Smart Array 6400 series controller only. 64-Bit/133-MHz Dual Channel Ultra320 SCSI Adapter 268351-B21 Ultra320 Expansion Module for SA-6402 273911-B21 64-Bit/133-MHz Single Channel Ultra320 SCSI HBA G2 374654-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://h18000.www1.hp.com/products/quickspecs/12030 div/12030 div.HTML (Smart Array 6i) http://h18000.www1.hp.com/products/quickspecs/11587 div/11587 div.HTML (Smart Array 6400 Series) http://h18000.www1.hp.com/products/quickspecs/12067 div/12067 div.HTML (Smart Array 641) http://h18000.www1.hp.com/products/quickspecs/12069 div/12069 div.HTML (Smart Array 642) http://h18000.www1.hp.com/products/quickspecs/10429 div/10429 div.HTML (SCSI Adapter) http://h18000.www1.hp.com/products/quickspecs/11555 div/11555 div.HTML (U320 Adapter) http://h18000.www1.hp.com/products/quickspecs/11943 div/11943 div.HTML



(Single Channel U320 SCSI HBA)

Communications	Options		
HP NC310F PCI-X Single Port 1000SX Gigabit Server Adapter 368169-821 HP NC320F PCI Express Single Port 1000T Gigabit Server Adapter 367047-821 HP NC1020 PCI Single Port 1000T Gigabit Server Adapter 313879-821 HP NC6170 PCI-X Dual Port 1000SX Gigabit Server Adapter 313881-821 HP NC7771 PCI-X Dual Port 1000T Gigabit Server Adapter 313881-821 HP NC7771 PCI-X Dual Port 1000T Gigabit Server Adapter 313881-821 HP NC7771 PCI-X Single Port 1000T Gigabit Server Adapter 313881-821 HP NC7771 PCI-X Single Port 1000T Gigabit Server Adapter 313881-821 HP NC570C PCI-X Dual-Port 4x Fabric Adapter 376169-821 HP NC570C PCI-X Dual-Port 4x Fabric Adapter 376169-821 HP NC570C PCI-X Dual-Port 4x Fabric Adapter 376169-821 HP NC571C PCI Express Dual-Port 4x Fabric Adapter 376169-821 HP 4x Fabric Im Capper Cable 376232-822 HP 4x Fabric Im Capper Cable 376232-822 HP 4x Fabric Sm Capper Cable 376232-822 HP 4x Fabric Sm Capper Cable 376232-823 HP 4x Fabric Sm Capper Cable 376232-823 Redundant Options Hot Plug AC Redundant Power Supply Module (NEMA and IEC cord) (NA and Japan) Hot Plug AC Redundant Power Supply Module (NEMA and IEC cord) (NW) 355892-821 D1380 G4 Redundant Power Supply Module (NEMA and IEC cord) (NW) 355892-821 NOTE: Hot Plug Redundant Power Supply Module (NEMA and IEC cord) (NW) 227251-001 Remote Insight Lights-Out Edition II (NA, LA) 227251-001 Remote Insight Lights-Out Edition II (NA, LA) 227251-001 Remote Insight Lights-Out Edition II (NEMA) 227251-001 Remote Insight Lights-Out Edition II (NOM) 227251-001 Remote I	Communications	HP NC150T PCI 4-port Gigabit 1000T Combo Switch Adapter	367132-B21
HP NC1020 PCI Single Port 1000T Gigabit Server Adapter 353377-821 HP NC2170 PCI-X Dual Port 1000SX Gigabit Server Adapter 313887-821 HP NC7170 PCI-X Dual Port 1000T Gigabit Server Adapter 313881-821 HP NC7771 PCI-X Single Port 1000T Gigabit Server Adapter 290563-821 NOTE: Any Ethernet network controller (NIC) (except the NC1020) on the option list can be used for redundancy with the embedded NC7782 NIC. HP NC570C PCI-X Dual-port 4x Fabric Adapter 376168-821 HP NC571C PCI Express Dual-port 4x Fabric Adapter 376168-821 HP 14-Port 4x Fabric Copper Switch 376227-821 HP 4x Fabric 1m Copper Cable 376223-821 HP 4x Fabric 5m Copper Cable 376232-821 HP 4x Fabric 5m Copper Cable 376232-823 Redundant Options Hot Plug AC Redundant Power Supply Module (NEMA and IEC cord) (NA and Japan) Hot Plug AC Redundant Power Supply Module (NEMA and IEC cord) 355892-801 DL380 G4 Redundant Fan Option Kit NOTE: Hot Plug Redundant Fan Option Kit (PN 293048-821) contains three fans per kit, it is included in all 2MB Cache and high performance models. Management Options iLO Advanced Pack Remote Insight Lights-Out Edition II (RMA) 227251-001 Remote Insight Lights-Out Edition II (RMA) 227251-021 Remote Insight Lights-Out Edition II (RMA) 227251-021 Remote Insight Lights-Out Edition II (ROW) 227251-371 Security HP/Malla AXL600L SSL Accelerator Card for ProLiant Servers 227933-821 Tape Drives NOTE: For complete listing of tape drive offerings see http://www.hp.com/products/1/storage/compatibility/tapebackup/ISS/index.html For recommended tape drive offerings for this ProLiant server see the following: Hot Plug Tape Drives HP StorageWorks DAT 40 Tape Drive, Internal Hot-Plug (Carbon) Q1546A HP StorageWorks DAT 40 Tape Drive, Internal Hot-Plug (Carbon) Q1543A NOTE: No internal tape drives fit inside the DL380 (except hot plug tape). The internal drive shown here is for the 1U and 3U Reck-emount Kit		HP NC310F PCI-X Single Port 1000SX Gigabit Server Adapter	368169-B21
HP NC6170 PCI-X Dual Port 1000SX Ğigabit Server Adapter 313879-821 HP NC7170 PCI-X Dual Port 1000T Gigabit Server Adapter 313881-821 HP NC7717 PCI-X Single Port 1000T Gigabit Server Adapter 290563-821 NOTE: Any Ethernet network controller (NIC) (except the NC1020) on the option list can be used for redundancy with the embedded NC7782 NIC. HP NC570C PCI-X Dual-port 4x Fabric Adapter 376158-821 HP NC571C PCI Express Dual-port 4x Fabric Adapter 376160-821 HP 24-Port 4x Fabric Copper Switch 37623-821 HP 4x Fabric 1m Copper Cable 37623-821 HP 4x Fabric 5m Copper Cable 376232-822 HP 4x Fabric 5m Copper Cable 37623-823 HO 1Plug AC Redundant Power Supply Module (NEMA and IEC cord) (NA and Japon) Hot Plug AC Redundant Power Supply Module (NEMA and IEC cord) (NA and Japon) Hot Plug AC Redundant Power Supply Module (IEC cord) (WW) 355892-821 NOTE: Hot Plug Redundant Fan Option Kit (PN 293048-821) contains three fans per kit, it is included in all 2MB Cache and high performance models. Management Options ILO Advanced Pack 263825-821 Remote Insight Lights-Out Edition II (RA, LA) 227251-001 Remote Insight Lights-Out Edition II (ROW) 227251-021 Remote Insight Lights-Out Edition II (ROW) 227251-371 Tape Drives NOTE: For complete listing of tape drive offerings see http://www.hp.com/products//storage/compatibility/stapebackup/ISS/index.html For recommended tape drive offerings for this ProLiant Servers see the following: Hot Plug Tape Drives HP StorageWorks DAT 40 Tape Drive, Internal Hot-Plug (Carbon) Q1546A HP StorageWorks DAT 40 Tape Drive, Internal Hot-Plug (Carbon) Q1540A HP StorageWorks DAT 40 Tape Drive, Internal Hot-Plug (Carbon) Q1540A HP StorageWorks Ultrium 215 Tape Drive, Internal (Carbon) NOTE: No internal tape drives fit inside the DL380 (except hot plug tope). The internal drive shown here is for the 1U and 3U Rack-mount Kit		HP NC320T PCI Express Single Port 1000T Gigabit Server Adapter	367047-B21
HP NC7170 PCI-X Dual Port 1000T Gigabit Server Adapter 290563-B21 HP NC7717 PCI-X Single Port 1000T Gigabit Server Adapter 290563-B21 NOTE: Any Ethernet network controller (NLO) (except the NC1020) on the option list can be used for redundancy with the embedded NC7782 NIC. HP NC570C PCI-X Dual-port 4x Fabric Adapter 376168-B21 HP NC571C PCI Express Dual-port 4x Fabric Adapter 376168-B21 HP 24-Port 4x Fabric Copper Switch 376227-B21 HP 4x Fabric 1m Copper Cable 376232-B21 HP 4x Fabric 3m Copper Cable 376232-B22 HP 4x Fabric 5m Copper Cable 376232-B23 HP 4x Fabric 1m Copper Cable 376232-B23 HP 4x Fabric 5m Copper Cable 376232-B23 HP 4x Fabric 1m Copper Cable 376232-B23 HP 4x Fabric 5m Copper Cable 376232-B23 HP 3x Fabric 5m Copper Cable 37623-B23 HP 3x Fabric 5m Copper Cable 37623-B23 HP 3x Fabric 5m Cable 5m Copper Cable 37623-B23 HP 3x Fabric 5m Cable 5m Cabl		HP NC1020 PCI Single Port 1000T Gigabit Server Adapter	353377-B21
HP NC7771 PCI-X Single Port 1000T Gigabit Server Adapter NOTE: Any Ethernet network controller (NIC) (except the NC1020) on the option list can be used for redundancy with the embedded NC7782 NIC. HP NC570C PCI-X Dual-port 4x Fabric Adapter HP NC571C PCI Express Dual-port 4x Fabric Adapter HP NC571C PCI Express Dual-port 4x Fabric Adapter HP 124-Port 4x Fabric Copper Switch HP 24-Port 4x Fabric Dm Copper Cable HP 4x Fabric 3m Copper Cable HP 4x Fabric 3m Copper Cable HP 4x Fabric 5m Copper Cable HP 4x Fabric 5m Copper Cable HO 5x		HP NC6170 PCI-X Dual Port 1000SX Gigabit Server Adapter	313879-B21
NOTE: Any Ethernet network controller (NIC) (except the NIC1020) on the option list can be used for redundancy with the embedded NC7782 NIC. HP NC570C PCI-X Dual-port 4x Fabric Adapter 376160-821 HP NC571C PCI Express Dual-port 4x Fabric Adapter 376160-821 HP 24-Port 4x Fabric Copper Switch 376232-821 HP 4x Fabric 3m Copper Cable 376232-821 HP 4x Fabric 5m Copper Cable 376232-823 Redundant Options Hot Plug AC Redundant Power Supply Module (NEMA and IEC cord) (NA and Japan) Hot Plug AC Redundant Power Supply Module (NEMA and IEC cord) (NA and Japan) Hot Plug AC Redundant Power Supply Module (IEC cord) (WW) 355892-821 NOTE: Hot Plug Redundant Fan Option Kir (PN 293048-821) contains three fans per kit, it is included in all 2MB Cache and high performance models. Management Options iLO Advanced Pack 263825-821 Remote Insight Lights-Out Edition II (MA, LA) 227251-001 Remote Insight Lights-Out Edition II (ROW) 227251-371 Security HP/Atalla AXL600L SSL Accelerator Card for ProLiant Servers 227933-821 Tape Drives NOTE: For complete listing of tape drive offerings see http://www.hp.com/products1/storage/compatibility/tapebackup/ISS/index.html For recommended tape drive offerings for this ProLiant server see the following: Hot Plug Tape Drives HP StorageWorks DAT 27 Tape Drive, Internal Hot-Plug (Carbon) Q1546A HP StorageWorks DAT 27 Tape Drive, Internal Hot-Plug (Carbon) Q1549A External, Rock-Mount, and Array Module Ultrium Tape Drives HP StorageWorks Ultrium 215 Tape Drive, Internal Hot-Plug (Carbon) Letternal Hot-Plug (Carbon) POTE: No internal tope drive is finside the DI-380 (except hot plug tape). The internal drive shown here is for the 1U and 3U Rack-mount Kit		HP NC7170 PCI-X Dual Port 1000T Gigabit Server Adapter	313881-B21
can be used for redundancy with the embedded NČ7782 NIC. HP NC570C PCLX Dual-port 4x Fabric Adapter 376158-B21 HP NC571C PCI Express Dual-port 4x Fabric Adapter 376160-B21 HP 24-Port 4x Fabric Copper Switch 376232-B21 HP 4x Fabric Im Copper Cable 376232-B21 HP 4x Fabric Sm Copper Cable 376232-B22 HP 4x Fabric 5m Copper Cable 376232-B23 Redundant Options Hot Plug AC Redundant Power Supply Module (NEMA and IEC cord) 355892-001 (NA and Japan) Hot Plug AC Redundant Power Supply Module (IEC cord) (WW) 355892-B21 D1380 G4 Redundant Fan Option Kit (PN 293048-B21) contains three fans per kit, it is included in all 2MB Cache and high performance models. Management Options iLO Advanced Pack 263825-B21 Remote Insight Lights-Out Edition II (NA, LA) 227251-001 Remote Insight Lights-Out Edition II (ROW) 227251-021 Remote Insight Lights-Out Edition II (ROW) 227251-021 Security HP/Atalla AXI.600L SSL Accelerator Card for ProLiant Servers 227933-B21 Tape Drives NOTE: For complete listing of tape drive offerings see http://www.hp.com/products1/storage/compatibility/tapebackup/ISS/index.html For recommended tape drive offerings for this ProLiant server see the following: Hot Plug Tape Drives HP StorageWorks DAT 40 Tape Drive, Internal Hot-Plug (Carbon) Q1546A HP StorageWorks DAT 72 Tape Drive, Internal Hot-Plug (Carbon) Q1549A External, Rack-Mount, and Array Module Ultrium Tape Drives HP StorageWorks Ultrium 215 Tape Drive, Internal Hot-Plug (Carbon) NOTE: No internal tape drives finside the D1380 (except hot plug tape). The internal drive shown here is for the 1U and 3U Rack-mount Kit		HP NC7771 PCI-X Single Port 1000T Gigabit Server Adapter	290563-B21
HP NC571C PCI Express Dual-port 4x Fabric Adapter HP 24-Port 4x Fabric Copper Switch HP 4x Fabric 1m Copper Cable HP 4x Fabric 2m Copper Cable HP 4x Fabric 5m Copper Cable Redundant Options Hot Plug AC Redundant Power Supply Module (NEMA and IEC cord) (NA and Japan) Hot Plug AC Redundant Power Supply Module (IEC cord) (WW) JESSE 293048-B21 DL330 G4 Redundant Fan Option Kit NOTE: Hot Plug Redundant Fan Option Kit NOTE: Hot Plug Redundant Fan Option Kit (PN 293048-B21) contains three fans per kit, it is included in all 2MB Cache and high performance models. Management Options ILO Advanced Pack Remote Insight Lights-Out Edition II (RMA, LA) 227251-001 Remote Insight Lights-Out Edition II (RMEA) 227251-021 Remote Insight Lights-Out Edition II (ROW) 227251-371 Security HP/Atalla AXL600L SSL Accelerator Card for ProLiant Servers 227933-B21 Tape Drives NOTE: For complete listing of tape drive offerings see http://www.hp.com/products / storage/compatibility/tapebackup/ISS/index.html For recommended tape drive offerings for this ProLiant server see the following: Hot Plug Tape Drives HP StorageWorks DAT 40 Tape Drive, Internal Hot-Plug (Carbon) HP StorageWorks DAT 72 Tape Drive, Internal Hot-Plug (Carbon) Potter No internal tape drives fit inside the DL380 (except hot plug tape). The internal drive shown here is for the 1U and 3U Rack-mount Kit			
HP 24-Port 4x Fabric Copper Switch HP 4x Fabric 1m Copper Cable HP 4x Fabric 3m Copper Cable HP 4x Fabric 3m Copper Cable HP 4x Fabric 5m Copper Cable Redundant Options Hot Plug AC Redundant Power Supply Module (NEMA and IEC cord) (NA and Japan) Hot Plug AC Redundant Power Supply Module (IEC cord) (WW) JB380 G4 Redundant Fan Option Kit NOTE: Hot Plug Redundant Fan Option Kit NOTE: Hot Plug Redundant Fan Option Kit (PN 293048-B21) contains three fans per kit, it is included in all 2MB Cache and high performance models. Management Options iLO Advanced Pack Remote Insight Lights-Out Edition II (NA, LA) Remote Insight Lights-Out Edition II (ROW) Security HP/Atalla AXL600L SSL Accelerator Card for ProLiant Servers AXL300 Accelerator PCI for ProLiant Servers Tape Drives NOTE: For complete listing of tape drive offerings see http://www.hp.com/products1/storage/compatibility/tapebackup/ISS/index.html For recommended tape drive offerings for this ProLiant server see the following: Hot Plug Tape Drives HP StorageWorks DAT 40 Tape Drive, Internal Hot-Plug (Carbon) APP StorageWorks DAT 40 Tape Drive, Internal Hot-Plug (Carbon) APP StorageWorks DAT 40 Tape Drive, Internal Hot-Plug (Carbon) APP StorageWorks DAT 72 Tape Drive, Internal Hot-Plug (Carbon) APP StorageWorks DAT 40 Tape Drive, Internal Hot-Plug (Carbon) APP StorageWorks DAT 40 Tape Drive, Internal Hot-Plug (Carbon) APP StorageWorks DAT 40 Tape Drive, Internal Hot-Plug (Carbon) APP StorageWorks DAT 40 Tape Drive, Internal (Carbon) APP StorageWorks D		HP NC570C PCI-X Dual-port 4x Fabric Adapter	376158-B21
HP 4x Fabric 1m Copper Cable HP 4x Fabric 3m Copper Cable HP 4x Fabric 5m Copper Cable Redundant Options Hot Plug AC Redundant Power Supply Module (NEMA and IEC cord) (NA and Japan) Hot Plug AC Redundant Power Supply Module (IEC cord) (WW) JS5892-B21 D1380 G4 Redundant Fan Option Kit NOTE: Hot Plug Redundant Fan Option Kit (PN 293048-B21) contains three fans per kit, it is included in all 2MB Cache and high performance models. Management Options iLO Advanced Pack Remote Insight Lights-Out Edition II (NA, LA) Remote Insight Lights-Out Edition II (ROW) 227251-001 Remote Insight Lights-Out Edition II (ROW) 227251-371 Security HP/Atalla AXL600L SSL Accelerator Card for ProLiant Servers 324545-B21 AXL300 Accelerator PCI for ProLiant Servers 227933-B21 Tape Drives NOTE: For complete listing of tape drive offerings see http://www.hp.com/products1/storage/compatibility/tapebackup/ISS/index.html For recommended tape drive offerings for this ProLiant server see the following: Hot Plug Tape Drives HP StorageWorks DAT 40 Tape Drive, Internal Hot-Plug (Carbon) HP StorageWorks DAT 72 Tape Drive, Internal Hot-Plug (Carbon) External, Rack-Mount, and Array Module Ultrium Tape Drives HP StorageWorks DAT 72 Tape Drive, Internal (Carbon) NOTE: No internal tape drives fit inside the DL380 (except hot plug tape). The internal drive shown here is for the 1U and 3U Rack-mount Kit		HP NC571C PCI Express Dual-port 4x Fabric Adapter	376160-B21
HP 4x Fabric 3m Copper Cable HP 4x Fabric 5m Copper Cable HP 4x Fabric 5m Copper Cable 376232-B23 Redundant Options Hot Plug AC Redundant Power Supply Module (NEMA and IEC cord) (NA and Japan) Hot Plug AC Redundant Power Supply Module (IEC cord) (WW) 355892-B21 D1380 G4 Redundant Fan Option Kit NOTE: Hot Plug Redundant Fan Option Kit (PN 293048-B21) contains three fans per kit, it is included in all 2MB Cache and high performance models. Management Options iLO Advanced Pack Remote Insight Lights-Out Edition II (NA, LA) 227251-001 Remote Insight Lights-Out Edition II (ROW) 227251-071 Remote Insight Lights-Out Edition II (ROW) 227251-371 Security HP/Atalla AXL600L SSL Accelerator Card for ProLiant Servers 324545-B21 AXL300 Accelerator PCI for ProLiant Servers 227933-B21 Tape Drives NOTE: For complete listing of tape drive offerings see http://www.hp.com/products1/storage/compatibility/tapebackup/ISS/index.html For recommended tape drive offerings for this ProLiant server see the following: Hot Plug Tape Drives HP StorageWorks DAT 40 Tape Drive, Internal Hot-Plug (Carbon) HP StorageWorks DAT 72 Tape Drive, Internal Hot-Plug (Carbon) Q1549A External, Rack-Mount, and Array Module Ultrium Tape Drives HP StorageWorks Ultrium 215 Tape Drive, Internal (Carbon) NOTE: No internal tape drives fit inside the D1380 (except hot plug tape). The internal drive shown here is for the 1U and 3U Rack-mount Kit		HP 24-Port 4x Fabric Copper Switch	376227-B21
Redundant Options Hot Plug AC Redundant Power Supply Module (NEMA and IEC cord) (NA and Japan) Hot Plug AC Redundant Power Supply Module (IEC cord) (WW) 355892-001 (NA and Japan) Hot Plug AC Redundant Fon Option Kit (PN 293048-B21) contains three fans per kit, it is included in all 2MB Cache and high performance models. Management Options iLO Advanced Pack Remote Insight Lights-Out Edition II (NA, LA) 227251-001 Remote Insight Lights-Out Edition II (ROW) 227251-021 Remote Insight Lights-Out Edition II (ROW) 227251-371 Security HP/Atalla AXL600L SSL Accelerator Card for ProLiant Servers 524545-B21 AXL300 Accelerator PCI for ProLiant Servers 227933-B21 Tape Drives NOTE: For complete listing of tape drive offerings see http://www.hp.com/products1/storage/compatibility/tapebackup/ISS/index.html For recommended tape drive offerings for this ProLiant server see the following: Hot Plug Tape Drives HP StorageWorks DAT 72 Tape Drive, Internal Hot-Plug (Carbon) Q1546A HP StorageWorks DAT 72 Tape Drive, Internal Hot-Plug (Carbon) Q1529A External, Rack-Mount, and Array Module Ultrium Tape Drives HP StorageWorks Ultrium 215 Tape Drive, Internal (Carbon) NOTE: No internal claye drives fit inside the DL380 (except hot plug tape). The internal drive shown here is for the 1U and 3U Rack-mount Kit		HP 4x Fabric 1m Copper Cable	376232-B21
Redundant Options Hot Plug AC Redundant Power Supply Module (NEMA and IEC cord) (NA and Japan) Hot Plug AC Redundant Power Supply Module (IEC cord) (WW) 355892-B21 DL380 G4 Redundant Fan Option Kit NOTE: Hot Plug Redundant Fan Option Kit (PN 293048-B21) contains three fans per kit, it is included in all 2MB Cache and high performance models. Management Options iLO Advanced Pack Remote Insight Lights-Out Edition II (NA, LA) Remote Insight Lights-Out Edition II (ROW) 227251-001 Remote Insight Lights-Out Edition II (ROW) 227251-371 Security HP/Atalla AXL600L SSL Accelerator Card for ProLiant Servers 4XL300 Accelerator PCI for ProLiant Servers 227933-B21 Tape Drives NOTE: For complete listing of tape drive offerings see http://www.hp.com/products1/storage/compatibility/tapebackup/ISS/index.html For recommended tape drive offerings for this ProLiant server see the following: Hot Plug Tape Drives HP StorageWorks DAT 40 Tape Drive, Internal Hot-Plug (Carbon) Q1546A HP StorageWorks DAT 72 Tape Drive, Internal Hot-Plug (Carbon) Q1549A External, Rack-Mount, and Array Module Ultrium Tape Drives HP StorageWorks Ultrium 215 Tape Drive, Internal Carbon) NOTE: No internal tape drives fit inside the DL380 (except hot plug tape). The internal drive shown here is for the 1U and 3U Rack-mount Kit		HP 4x Fabric 3m Copper Cable	376232-B22
(NA and Japan) Hot Plug AC Redundant Power Supply Module (IEC cord) (WW) 355892-B21 DL380 G4 Redundant Fan Option Kit NOTE: Hot Plug Redundant Fan Option Kit (PN 293048-B21) contains three fans per kit, it is included in all 2MB Cache and high performance models. Management Options iLO Advanced Pack Remote Insight Lights-Out Edition II (NA, LA) Remote Insight Lights-Out Edition II (EMEA) Remote Insight Lights-Out Edition II (ROW) Security HP/Atalla AXL600L SSL Accelerator Card for ProLiant Servers AXL300 Accelerator PCI for ProLiant Servers 227933-B21 Tape Drives NOTE: For complete listing of tape drive offerings see http://www.hp.com/products1/storage/compatibility/tapebackup/ISS/index.html For recommended tape drive offerings for this ProLiant server see the following: Hot Plug Tape Drives HP StorageWorks DAT 40 Tape Drive, Internal Hot-Plug (Carbon) Q1546A HP StorageWorks DAT 72 Tape Drive, Internal Hot-Plug (Carbon) Q1529A External, Rack-Mount, and Array Module Ultrium Tape Drives HP StorageWorks Ultrium 215 Tape Drive, Internal (Carbon) NOTE: No internal tape drives fit inside the DL380 (except hot plug tape). The internal drive shown here is for the 1U and 3U Rack-mount Kit		HP 4x Fabric 5m Copper Cable	376232-B23
DL380 G4 Redundant Fan Option Kit NOTE: Hot Plug Redundant Fan Option Kit (PN 293048-B21) contains three fans per kit, it is included in all 2MB Cache and high performance models. Management Options iLO Advanced Pack Remote Insight Lights-Out Edition II (NA, LA) Remote Insight Lights-Out Edition II (EMEA) Remote Insight Lights-Out Edition II (ROW) 227251-021 Remote Insight Lights-Out Edition II (ROW) 227251-371 Security HP/Atalla AXL600L SSL Accelerator Card for ProLiant Servers AXL300 Accelerator PCI for ProLiant Servers 227933-B21 Tape Drives NOTE: For complete listing of tape drive offerings see http://www.hp.com/products1/storage/compatibility/tapebackup/ISS/index.html For recommended tape drive offerings for this ProLiant server see the following: Hot Plug Tape Drives HP StorageWorks DAT 40 Tape Drive, Internal Hot-Plug (Carbon) Q1546A HP StorageWorks DAT 72 Tape Drive, Internal Hot-Plug (Carbon) Q1529A External, Rack-Mount, and Array Module Ultrium Tape Drives HP StorageWorks Ultrium 215 Tape Drive, Internal (Carbon) NOTE: No internal dape drives fit inside the DL380 (except hot plug tape). The internal drive shown here is for the 1U and 3U Rack-mount Kit	Redundant Options		355892-001
NOTE: Hot Plug Redundant Fan Option Kit (PN 293048-B21) contains three fans per kit, it is included in all 2MB Cache and high performance models. Management Options iLO Advanced Pack Remote Insight Lights-Out Edition II (NA, LA) Remote Insight Lights-Out Edition II (EMEA) Remote Insight Lights-Out Edition II (ROW) 227251-021 Remote Insight Lights-Out Edition II (ROW) 227251-371 Security HP/Atalla AXL600L SSL Accelerator Card for ProLiant Servers 324545-B21 AXL300 Accelerator PCI for ProLiant Servers 227933-B21 Tape Drives NOTE: For complete listing of tape drive offerings see http://www.hp.com/products1/storage/compatibility/tapebackup/ISS/index.html For recommended tape drive offerings for this ProLiant server see the following: Hot Plug Tape Drives HP StorageWorks DAT 40 Tape Drive, Internal Hot-Plug (Carbon) Q1546A HP StorageWorks DAT 72 Tape Drive, Internal Hot-Plug (Carbon) Q1529A External, Rack-Mount, and Array Module Ultrium Tape Drives HP StorageWorks Ultrium 215 Tape Drive, Internal (Carbon) NOTE: No internal tape drives fit inside the DL380 (except hot plug tape). The internal drive shown here is for the 1U and 3U Rack-mount Kit		Hot Plug AC Redundant Power Supply Module (IEC cord) (WW)	355892-B21
Remote Insight Lights-Out Edition II (NA, LA) Remote Insight Lights-Out Edition II (EMEA) Remote Insight Lights-Out Edition II (ROW) 227251-021 Remote Insight Lights-Out Edition II (ROW) 227251-371 Security HP/Atalla AXL600L SSL Accelerator Card for ProLiant Servers 524545-B21 AXL300 Accelerator PCI for ProLiant Servers 227933-B21 Tape Drives NOTE: For complete listing of tape drive offerings see http://www.hp.com/products1/storage/compatibility/tapebackup/ISS/index.html For recommended tape drive offerings for this ProLiant server see the following: Hot Plug Tape Drives HP StorageWorks DAT 40 Tape Drive, Internal Hot-Plug (Carbon) Q1546A HP StorageWorks DAT 72 Tape Drive, Internal Hot-Plug (Carbon) External, Rack-Mount, and Array Module Ultrium Tape Drives HP StorageWorks Ultrium 215 Tape Drive, Internal (Carbon) NOTE: No internal tape drives fit inside the DL380 (except hot plug tape). The internal drive shown here is for the 1U and 3U Rack-mount Kit		NOTE: Hot Plug Redundant Fan Option Kit (PN 293048-B21) contains three fans per	293048-B21
Remote Insight Lights-Out Edition II (EMEA) Remote Insight Lights-Out Edition II (ROW) 227251-021 Remote Insight Lights-Out Edition II (ROW) 227251-371 HP/Atalla AXL600L SSL Accelerator Card for ProLiant Servers 524545-B21 AXL300 Accelerator PCI for ProLiant Servers 227933-B21 Tape Drives NOTE: For complete listing of tape drive offerings see http://www.hp.com/products1/storage/compatibility/tapebackup/ISS/index.html For recommended tape drive offerings for this ProLiant server see the following: Hot Plug Tape Drives HP StorageWorks DAT 40 Tape Drive, Internal Hot-Plug (Carbon) Q1546A HP StorageWorks DAT 72 Tape Drive, Internal Hot-Plug (Carbon) Q1529A External, Rack-Mount, and Array Module Ultrium Tape Drives HP StorageWorks Ultrium 215 Tape Drive, Internal (Carbon) NOTE: No internal tape drives fit inside the DL380 (except hot plug tape). The internal drive shown here is for the 1U and 3U Rack-mount Kit	Management Options	iLO Advanced Pack	263825-B21
Remote Insight Lights-Out Edition II (ROW) 227251-371 Security HP/Atalla AXL600L SSL Accelerator Card for ProLiant Servers 524545-B21 AXL300 Accelerator PCI for ProLiant Servers 227933-B21 Tape Drives NOTE: For complete listing of tape drive offerings see http://www.hp.com/products1/storage/compatibility/tapebackup/ISS/index.html For recommended tape drive offerings for this ProLiant server see the following: Hot Plug Tape Drives HP StorageWorks DAT 40 Tape Drive, Internal Hot-Plug (Carbon) Q1546A HP StorageWorks DAT 72 Tape Drive, Internal Hot-Plug (Carbon) Q1529A External, Rack-Mount, and Array Module Ultrium Tape Drives HP StorageWorks Ultrium 215 Tape Drive, Internal (Carbon) NOTE: No internal tape drives fit inside the DL380 (except hot plug tape). The internal drive shown here is for the 1U and 3U Rack-mount Kit		Remote Insight Lights-Out Edition II (NA, LA)	227251-001
Security HP/Atalla AXL600L SSL Accelerator Card for ProLiant Servers 524545-B21 AXL300 Accelerator PCI for ProLiant Servers 227933-B21 NOTE: For complete listing of tape drive offerings see http://www.hp.com/products1/storage/compatibility/tapebackup/ISS/index.html For recommended tape drive offerings for this ProLiant server see the following: Hot Plug Tape Drives HP StorageWorks DAT 40 Tape Drive, Internal Hot-Plug (Carbon) Q1546A HP StorageWorks DAT 72 Tape Drive, Internal Hot-Plug (Carbon) External, Rack-Mount, and Array Module Ultrium Tape Drives HP StorageWorks Ultrium 215 Tape Drive, Internal (Carbon) NOTE: No internal tape drives fit inside the DL380 (except hot plug tape). The internal drive shown here is for the 1U and 3U Rack-mount Kit		Remote Insight Lights-Out Edition II (EMEA)	227251-021
Tape Drives NOTE: For complete listing of tape drive offerings see http://www.hp.com/products1/storage/compatibility/tapebackup/ISS/index.html For recommended tape drive offerings for this ProLiant server see the following: Hot Plug Tape Drives HP StorageWorks DAT 40 Tape Drive, Internal Hot-Plug (Carbon) Q1546A HP StorageWorks DAT 72 Tape Drive, Internal Hot-Plug (Carbon) Q1529A External, Rack-Mount, and Array Module Ultrium Tape Drives HP StorageWorks Ultrium 215 Tape Drive, Internal (Carbon) NOTE: No internal tape drives fit inside the DL380 (except hot plug tape). The internal drive shown here is for the 1U and 3U Rack-mount Kit		Remote Insight Lights-Out Edition II (ROW)	227251-371
Tape Drives NOTE: For complete listing of tape drive offerings see http://www.hp.com/products1/storage/compatibility/tapebackup/ISS/index.html For recommended tape drive offerings for this ProLiant server see the following: Hot Plug Tape Drives HP StorageWorks DAT 40 Tape Drive, Internal Hot-Plug (Carbon) Q1546A HP StorageWorks DAT 72 Tape Drive, Internal Hot-Plug (Carbon) External, Rack-Mount, and Array Module Ultrium Tape Drives HP StorageWorks Ultrium 215 Tape Drive, Internal (Carbon) NOTE: No internal tape drives fit inside the DL380 (except hot plug tape). The internal drive shown here is for the 1U and 3U Rack-mount Kit	Security	HP/Atalla AXL600L SSL Accelerator Card for ProLiant Servers	524545-B21
http://www.hp.com/products1/storage/compatibility/tapebackup/ISS/index.html For recommended tape drive offerings for this ProLiant server see the following: Hot Plug Tape Drives HP StorageWorks DAT 40 Tape Drive, Internal Hot-Plug (Carbon) Q1546A HP StorageWorks DAT 72 Tape Drive, Internal Hot-Plug (Carbon) External, Rack-Mount, and Array Module Ultrium Tape Drives HP StorageWorks Ultrium 215 Tape Drive, Internal (Carbon) NOTE: No internal tape drives fit inside the DL380 (except hot plug tape). The internal drive shown here is for the 1U and 3U Rack-mount Kit		AXL300 Accelerator PCI for ProLiant Servers	227933-B21
Hot Plug Tape Drives HP StorageWorks DAT 40 Tape Drive, Internal Hot-Plug (Carbon) Q1546A HP StorageWorks DAT 72 Tape Drive, Internal Hot-Plug (Carbon) External, Rack-Mount, and Array Module Ultrium Tape Drives HP StorageWorks Ultrium 215 Tape Drive, Internal (Carbon) NOTE: No internal tape drives fit inside the DL380 (except hot plug tape). The internal drive shown here is for the 1U and 3U Rack-mount Kit	Tape Drives	http://www.hp.com/products1/storage/compatibility/tapebackup/ISS/index.html	
HP StorageWorks DAT 40 Tape Drive, Internal Hot-Plug (Carbon) HP StorageWorks DAT 72 Tape Drive, Internal Hot-Plug (Carbon) External, Rack-Mount, and Array Module Ultrium Tape Drives HP StorageWorks Ultrium 215 Tape Drive, Internal (Carbon) NOTE: No internal tape drives fit inside the DL380 (except hot plug tape). The internal drive shown here is for the 1U and 3U Rack-mount Kit			
HP StorageWorks DAT 72 Tape Drive, Internal Hot-Plug (Carbon) External, Rack-Mount, and Array Module Ultrium Tape Drives HP StorageWorks Ultrium 215 Tape Drive, Internal (Carbon) NOTE: No internal tape drives fit inside the DL380 (except hot plug tape). The internal drive shown here is for the 1U and 3U Rack-mount Kit			O1 E 4 / A
External, Rack-Mount, and Array Module Ultrium Tape Drives HP StorageWorks Ultrium 215 Tape Drive, Internal (Carbon) NOTE: No internal tape drives fit inside the DL380 (except hot plug tape). The internal drive shown here is for the 1U and 3U Rack-mount Kit			
HP StorageWorks Ultrium 215 Tape Drive, Internal (Carbon) NOTE: No internal tape drives fit inside the DL380 (except hot plug tape). The internal drive shown here is for the 1U and 3U Rack-mount Kit			Ø1274
NOTE: No internal tape drives fit inside the DL380 (except hot plug tape). The internal drive shown here is for the 1U and 3U Rack-mount Kit		•	O1 5 42 A
HP StorageWorks Ultrium 215 Tape Drive, External (Carbon) Q1545A		NOTE: No internal tape drives fit inside the DL380 (except hot plug tape). The	Q1543A
		HP StorageWorks Ultrium 215 Tape Drive, External (Carbon)	Q1545A



Options

HP StorageWorks Ultrium 215 rack-mount (Carbon) - Single drive installed in a 1U rack-mount kit (supports up to two half-height tape drives)	A7444A
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, Internal (Carbon) NOTE: No internal tape drives fit inside the DL380 (except hot plug tape). The internal drive shown here is for the 3U or 5U Rack-mount Kit	Q1515A
HP StorageWorks Ultrium 448 Tape Drive, External (Carbonite)	DW017A
HP StorageWorks Ultrium 448, Rack-mount (Carbonite) - Single drive installed in a 1U rack-mount kit	DW028A
HP StorageWorks Ultrium 448 Tape Drive, Internal (Carbon) NOTE: No internal tape drives fit inside the DL380 (except hot plug tape). The internal drive shown here is for the 1U or 3U Rack-mount Kit.	DW016A
HP StorageWorks Ultrium 460 Tape Drive, Internal (Carbonite) NOTE: No internal tape drives fit inside the DL380 (except hot plug tape). The internal drive shown here is for the 1U or 3U Rack-mount Kit.	Q1518A
HP StorageWorks Ultrium 460 Tape Drive, External (Carbonite)	Q1520A
HP StorageWorks Ultrium 460, Rack-mount - Single drive installed in a 3U Rack-mount kit.	350546-B21
HP StorageWorks Ultrium 960 Tape Drive, Internal (Carbonite) NOTE: No internal tape drives fit inside the DL380 (except hot plug tape). The internal drive shown here is for the 3U or 5U Rack-mount Kit	Q1538A
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 215 and 230 Tape Drive QuickSpecs for additional options such as controllers, media, and other related items: http://h18006.www1.hp.com/products/quickspecs/11739_div/11739_div/html	
(Worldwide) http://h18006.www1.hp.com/products/quickspecs/11739_na/11739_na.html (North America)	
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, Rack-Mount, and Array Module DAT Drives	
HP StorageWorks DAT 72 Tape Drive, External (Carbon)	Q1523A
HP StorageWorks 1U Rack-Mount Kit with one DAT 72 drive	A7443A
HP StorageWorks DAT 72 Array Module (Carbon) - Offline hot-swap drive for Tape Array 5300	Q1524B



Options

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

http://h18000.www1.hp.com/products/quickspecs/11883_div/11883_div.HTML (Worldwide)

http://h18000.www1.hp.com/products/quickspecs/11883_na/11883_na.HTML (North America)

http://h18006.www1.hp.com/products/quickspecs/12128_div/12128_div.html (Worldwide)

http://h18006.www1.hp.com/products/quickspecs/12128_na/12128_na.html (North America)

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.

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_div/10854_div.HTML (Worldwide)

http://h18000.www1.hp.com/products/quickspecs/10854_na/10854_na.HTML (North America)

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_div/11878_div.HTML (Worldwide)

http://h18000.www1.hp.com/products/quickspecs/11878_na/11878_na.HTML (North America)

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

LVD Cable Kit, VHDCI/HD68 168048-B21

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

LVD Cable Kit, HD68/HD68 242381-B21

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



Options

Tape Autoloaders	DAT Autoloader			
·	HP StorageWorks DAT 72x6 Tape Autoloader, External (Carbon)			
	NOTE: Please see the DAT 72x6 Tape Autoloader QuickSpecs for additional options			
	such as host bus adapters, controllers and media:			
	http://h18006.www1.hp.com/products/quickspecs/11905_div/11905_div.html			
	(Worldwide) http://h18006.www1.hp.com/products/quickspecs/11905 na/11905 na.html			
	(North America)			
	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 Rack-mount Kit NOTE: Required to install the 1/8 tape autoloader in a standard 19-inch rack	C9268R		
	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			
	<u>http://www.hp.com/go/automation</u> 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			
Tapo Libranios	MSL6030, 1 drive, 30 slots, Ultrium 460, RM	330731-B22		
	MSL6030, 2 drive, 30 slots, Ultrium 460, RM	330731-B23		
	MSL6030, 1 drive, 30 slots, Ultrium 460, RM with embedded FC router	330731-B24		
	MSL6030, 2 drive, 30 slots, Ultrium 460, RM with embedded FC router	330731-B25		
	MSL6060, 2 drive, 60 slot, Ultrium 460, RM	331196-B21		
	MSL6060, 2 drive, 60 slot, Ultrium 460, RM with embedded FC router	331196-B22		
	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		



Options

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
NOTE: Please reference the MSL5052S2 Tape Library QuickSpecs at	2/04/4-024
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
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	201000 022
MSL5060, 2 drive, 60 slots, Ultrium 230, RM	301899-B22 301899-B23
MSL5060, 2 drive, 60 slots, Ultrium 230, RM with embedded FC router	301099-D23
NOTE: Please reference the MSL5060 Tape Library QuickSpecs at http://www.hp.com/go/automation for additional information needed to create a	
complete solution; reference current compatibility information at	
http://www.hp.com/go/ebs	
HP StorageWorks ESL E-Series Tape Libraries	
ESL Extended 712e Tape Library, 0 drive, 712 LTO slots	AA934B
ESL Extended 630e Tape Library, 0 drive, 630 SDLT slots	AA935B
ESL Extended 322e Tape Library, 0 drive, 322 LTO slots	AA939B
ESL Extended 286e Tape Library, O drive, 286 SDLT slots	AA940B
ESL E-Series Ultrium 460 drive kit	AA937A
ESL E-Series Ultrium 460-FC drive kit	AA941A
ESL E-Series SDLT 320 drive kit	AA936A
ESL E-Series e2400-FC 2G Interface Controller	AA928A
NOTE: Please reference the ESL E-Series Tape Libraries QuickSpecs at	
http://www.hp.com/go/automation for additional information needed to create a	
complete solution; reference current compatibility information at	
http://www.hp.com/go/ebs	



Options		
Magneto-Optical	HP StorageWorks 9.1 GB Mid-range Optical Jukeboxes	
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	1000ux, 2 drive, 32 slot jukebox	AA965A
Jukeboxes	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, 6 drive, 238 slot jukebox	AA971A
	7100ux, 10 drive, 238 slot jukebox	AA972A
	7100ux, 6 mixed drive, 238 slot jukebox	AA974A
	NOTE: Please reference the Ultra Density Optical Jukebox QuickSpecs at http://www.hp.com/go/optical for additional information needed to create a complete solution	
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 (North America) http://h18000.www1.hp.com/products/quickspecs/11956_div/11956_div.HTML (Worldwide)	

Cluster Options

ProLiant Cluster Starter Kit

364023-B21

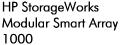


Options

NOTE: For additional information regarding the ProLiant Cluster Starter Kit please see	
the following QuickSpecs at: http://h18000.www1.hp.com/products/quickspecs/11935 na/11935 na.html	
(North America)	
http://h18000.www1.hp.com/products/quickspecs/11935_div/11935_div.html	
(Worldwide)	
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	
(North America)	
http://h18000.www1.hp.com/products/quickspecs/11934_div/11934_div.html	
(Worldwide)	
ProLiant Cluster HA/F200 for the Entry Level SAN	364026-B21
ProLiant Cluster HA/F200 for the Entry Level SAN (Japan)	364026-291
NOTE: For additional information regarding the ProLiant Cluster for Entry Level SAN	
please see the following QuickSpecs at: http://h18000.www1.hp.com/products/quickspecs/11932_na/11932_na.html	
(North America)	
http://h18000.www1.hp.com/products/quickspecs/11932_div/11932_div.html	
(Worldwide)	
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	
(North America)	
http://h18000.www1.hp.com/products/quickspecs/11933_div/11933_div.html	
(Worldwide)	
HP Serviceguard for Linux ProLiant Cluster A.11.15 for SUSE SLES 8 / UnitedLinux 1.0 and Red Hat EL 3 (2 node license cluster kit).	305199-B24
HP Serviceguard for Linux ProLiant Cluster A.11.16 for SUSE SLES 9 and Red Hat EL 3	305199-B25
(2 node license cluster kit)	303177-023
HP Serviceguard for Linux License A.11.15 for SUSE SLES 8 / UnitedLinux 1.0 and	307754-B24
Red Hat EL 3 (single license version)	
HP Serviceguard for Linux A.11.16 for SUSE SLES9 and Red Hat EL 3 (single license	307754-B25
version)	
NOTE: For additional information regarding the HP Serviceguard for Linux License,	
please see the following QuickSpecs at: http://h18000.www1.hp.com/products/quickspecs/11518 na/11518 na.html	
(North America)	
http://h18000.www1.hp.com/products/quickspecs/11518_div/11518_div.html	
(Worldwide)	
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://h18000.www1.hp.com/products/quickspecs/11688 na/11688 na.html	
(North America)	
http://h18000.www1.hp.com/products/quickspecs/11688_div/11688_div.html	
(Worldwide)	



Quicksp	HP ProLiant DL380 Gene	eration 4 (G4
Options		
	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 (North America) http://h18000.www1.hp.com/products/quickspecs/10889_div/10889_div.html (Worldwide)	279406-B24
External Storage - Rack	HP StorageWorks Modular Smart Array 20 NOTE: Rack-mountable 12 (SATA) drive enclosure with U320 Host connectivity, redundant power supplies.	335921-B21
	HP StorageWorks Modular Smart Array 20 Starter Kit NOTE: Rack-mountable 12 (SATA) drive enclosure with U320 Host connectivity, redundant power supplies. Includes Smart Array 6402/128 Controller.	366172-B21
	NOTE: The Modular Smart Array Enclosure 20 Family supports the SATA 1.5Gb/s 1" Hot Plug Hard Drives.	
	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 NOTE: Rack-mountable 14 drive enclosure with dual bus, redundant power supplies	302970-B21
	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
	Redundant Power Supply 499W for MSA30	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 1500 cs	NOTE: Please see the StorageWorks Modular SAN Array 1500 cs QuickSpecs for 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 Modular Smart Array 1000 QuickSpecs for additional options	



and configuration information at

http://h18000.www1.hp.com/products/quickspecs/11033_na/11033_na.HTML

(North America)

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

(Worldwide)



Options		
Network Storage Router	M2402 2FCX 4SCSI LVD Network Storage Router	262653-B21
Ū	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 2 Gb, 64-bit/133 MHz PCI-X-to-Fibre Channel Host Bus Adapter for Windows 2000, Windows Server 2003 and Linux NOTE: FCA2214 2 Gb Fibre Channel Host Bus Adapter is a single channel, 64-bit/133 MHz PCI-X-to Fibre Channel Host Bus Adapter (HBA) with an embedded multi-mode optical interface	281541-B21
	StorageWorks 2 Gb, 64-bit/133 MHz PCI-X to-Fibre Channel Host Bus Adapter for	281540-B21
	NetWare NOTE: FCA2210 2 Gb, Fibre Channel Host Bus Adapter is a single channel, 64-bit/133 MHz PCI-X-to-Fibre Channel Host Bus Adapter (HBA) with an embedded multi-mode optical interface.	
	FCA2408 - HP StorageWorks 2 Gb, 64-Bit/133 MHz Single Channel , PCI- X-to-Fibre Channel Host Bus Adapter for Windows® 2000 and Windows Server® 2003 NOTE: FCA2408 HP StorageWorks 2 Gb, 133 MHz PCI-X-to-Fibre Channel Host Bus Adapter (HBA) with optical small-form-factor (SFF) (LC) interface.	343073-B21
	FCA2404DC - HP StorageWorks 2 Gb, Dual Channel, 133 MHz PCI-X-to-Fibre Channel Host Bus Adapter for Windows® 2000, and Windows Server 2003 NOTE: FCA2404DC HP StorageWorks 2 Gb Fibre Channel Host Bus Adapter is a dual channel, 133 MHz, PCI-X to Fibre Channel Host Bus Adapter (HBA) with an embedded multi-mode optical interface.	323264-B21
	FCA2404 - StorageWorks 2 Gb, single channel, 133 MHz PCI-X-to-Fibre Channel Host Bus Adapter for Windows 2000, Windows NT and Windows Server 2003 NOTE: FCA2404 StorageWorks 2 Gb, Fibre Channel Host Bus Adapter is a single channel, multi-path failover, 133 MHz, PCI-X to Fibre Channel Host Bus Adapter (HBA) with an embedded multi-mode optical interface for ProLiant Server connects	305573-B21
	StorageWorks 2 Gb, Dual Port, 64-Bit/133 MHz PCI-X-to-Fibre Channel Host Bus Adapter for W2K, Windows Server 2003 and Linux NOTE: FCA2214DC StorageWorks 2 Gb Dual Port, Fibre Channel Host Bus Adapter is a 64-bit/133 MHz, PCI-X-to Fibre Channel Host Bus Adapter (HBA) with an embedded multi-mode optical interface.	321835-B21
	StorageWorks Director 2/64	286809-B21
	StorageWorks SAN Switch 2/8-EL	322120-B21
	StorageWorks SAN Switch 2/8-EL Upgrade	325888-B21
	StorageWorks SAN Switch 2/16	322118-B21
	NOTE: For additional information on Fibre Channel Host Bus Adapters and San Switches visit the following URL: http://h18000.www1.hp.com/storage/saninfrastructure.html	

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

ftp://ftp.compaq.com/pub/products/servers/ProLiantstorage/power-protection/powercordmatrix.pdf.



Options

Ophons		
Uninterruptible Power	HP UPS R1500 XR (100 to 127) (NA)	204404-001
Systems - Rack	HP UPS R1500 XR (208 to 480) (Int'l)	204404-B31
	HP UPS R1500 XR (100 to 127) (Japan)	204404-291
	HP UPS R3000 XR (120V) (NA)	192186-001
	HP UPS R3000 XR (208V) (NA)	192186-002
	HP UPS R3000 XR (100V) (Japan)	192186-291
	HP UPS R3000 XR (208V) (Japan) HP UPS R3000 XR (200V) (Japan)	192186-292
	HP UPS R3000 XR (230V) (Int'l - detachable cord)	192186-B31
	HP UPS R3000 XR (230V) (16A IEC309 Plug)	192186-B32
	HP UPS R3000 XR (230V) (16A CEE 7/7 SCHUKO Plug)	192186-B33
	HP UPS R3000 XR (230V) (16A BS-546 Plug)	192186-AR1
	HP UPS R5500 XR, (5000VA, 4500 Watt), High Voltage (NA/Jpn)	326529-D71
	HP UPS R5500 XR, (6000VA, 5400 Watt), High Voltage (Int'l)	326529-B31
	HP UPS R12000 XR N+x (200-240V) (WW-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 (NA/JPN)	370959-D71
Monitoring	HP Power Distribution Unit with Power Monitoring Model \$1324 - single input, 3 phase, 24A (NA/JPN)	370960-D71
	HP Power Distribution Unit with Power Monitoring Model S2140 - dual input, 1 phase, 40A (NA/JPN)	370961-D71
	HP Power Distribution Unit with Power Monitoring Model \$1140 - single input, 1 phase, 40A (NA/JPN)	370962-D71
	HP Power Distribution Unit with Power Monitoring Model \$2316 - dual input, 3 phase, 16A (INTL)	370963-B31
	HP Power Distribution Unit with Power Monitoring Model \$1316 - single input, 3 phase, 16A (INTL)	370964-B31
	HP Power Distribution Unit with Power Monitoring Model S2132 - dual input, 1 phase, 32A (INTL)	370965-B31
	HP Power Distribution Unit with Power Monitoring Model \$1132 - single input, 1 phase, 32A (INTL)	370966-B31



Options Modular Power HP Modular Power Distribution Units (mPDU), Low Volt Model, 24A (100-127 VAC) 252663-D71 (NA, Japan) Distribution Units 1U/0U NOTE: This mPDU (252663-D71) may also be used to connect the low volt model of (Up to 32 outlets) the UPS R3000 XR. NOTE: 1U/0U mounting HP Modular Power Distribution Units (mPDU), High Volt Model, 24A (200-240 VAC) 252663-D72 brackets shipped with (NA, Japan) the unit (optimized for 10000 and 9000 series HP Modular Power Distribution Units (mPDU), High Volt Model, 32A (200-240 VAC) 252663-B31 (Int'l) racks). HP Modular Power Distribution Units (mPDU), High Volt Model, 40A (200-240 VAC) 252663-B21 (WW)HP Modular Power Distribution Units (mPDU), High Volt Model, 16A (200-240 VAC) 252663-B24 (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 For North America, need to order cable PN 340653-001. HP Modular Power Distribution Unit (mPDU), High Volt Model, 40A, Attached Cord, 252663-D73 (NA/JPN) HP Modular Power Distribution Unit (mPDU), High Volt Model, 40A, Attached Cord, 252663-B32 NOTE: Please see the following Modular Power Distribution Unit (Zero-U/1U Modular PDUs) QuickSpecs for additional options including shorter jumper cables and country specific power cords: http://h18000.www1.hp.com/products/quickspecs/11041 na/11041 na.HTML (North America) http://h18000.www1.hp.com/products/quickspecs/11041 div/11041 div.HTML (Worldwide) **USB** Options HP USB 2-Button Optical Scroll Mouse (Carbonite/Silver) DC172B USB 1.44-MB External Diskette Drive (Carbonite) DC141B 256MB HP Drive Key II (USB 2.0) PH657A Multibay USB cradle DC373A#ABA DC373A#B13 Multibay USB cradle Custom Builder Please see the Enterprise Configurator for configuration assistance at: http://www.hp.com/products/configurator. Third Party Rack Adapter 332815-B21



Kit (for wide racks)

Rack Adapter Kit

NOTE: Not required for most racks. This kit allows HP rack servers to fit in racks that

are 24" wide.

ProLiant DL380 G4, ML370 G4, ML350 G4 Shipping Bracket for Round Hole Racks Rack Shipping Kit

NOTE: Required when shipping DL380 G4 / ML370 G4 / ML350 G4 pre-installed in round hole rack. Square hole pre-configured rack shipping hardware included with

server mounting rails.



371482-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 \$10614 (14U) Rack Cabinet - Shock Pallet	292302-B22
	HP 10842 (42U) Rack Cabinet - Pallet	257415-B21
	HP 10842 (42U) Rack Cabinet - Shock Pallet	257415-B22
	HP 10647 (47U) Rack Cabinet - Pallet	245160-B21
	HP 10647 (47U) Rack Cabinet - Crated	245160-B23
	HP 10642 (42U) Rack Cabinet - Pallet	245161-B21
	HP 10642 (42U) Rack Cabinet - Shock Pallet	245161-B22
	HP 10642 (42U) Rack Cabinet - Crated	245161-B23
	HP 10636 (36U) Rack Cabinet - Pallet	245162-B21
	HP 10636 (36U) Rack Cabinet - Shock Pallet	245162-B22
	HP 10636 (36U) Rack Cabinet - Crated	245162-B23
	HP 10622 (22U) Rack Cabinet - Pallet	245163-B21
	HP 10622 (22U) Rack Cabinet - Shock Pallet	245163-B22
	HP 10622 (22U) Rack Cabinet - 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_div/10995_div.HTML (Worldwide) http://h18000.www1.hp.com/products/quickspecs/10995_na/10995_na.HTML (North America) NOTE: For additional information regarding Rack Cabinets, please see the following URL: http://h18000.www1.hp.com/products/servers/proliantstorage/rack-	



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 Light kit for 10000 series rack 361589-B21
HP Plinth kit for 10000 series rack 251960-B21
TFT5600 Rack Keyboard Monitor 221546-xx1
TFT7210R Rack Mounted 17" Monitor 348373-B21

NOTE: For a complete list of Monitors please view the following URL:

http://h18004.www1.hp.com/products/monitors/.

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

Country Code Key for Keyboards

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

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 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, RM (ALL)	371302-B21
HP 1x4 USB/PS2 KVM Switch, TT, (EURO)	371301-A21
HP 1x4 USB/PS2 KVM Switch, TT (UK)	371301-031
HP 1x4 USB/PS2 KVM Switch, TT, (AUST/NZ)	371301-011
HP 1x4 USB/PS2 KVM Switch, TT, (NA/JPN)	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:

 $\frac{\text{http://h18004.www1.hp.com/products/servers/proliantstorage/rack-options/list.html\#console}$



Options

Service and Support Offerings (HP Care Pack	Hardware Services On-site Service 4-Hour On-site Service, 5-Day x 13-Hour Coverage, 3 Years	U4544A
Services)		U4544E
	4-Hour On-site Service, 5-Day x 13-Hour Coverage, 3 Years, Electronic 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
	Hardware Services 6-Hour Call to Repair On-site Service	U4J4JL
	6-Hour Call to Repair, On-site Service, 7-Day x 24-Hour Coverage, 3 Years	U4546A
	6-Hour Call to Repair, On-site Service, 7-Day x 24-Hour Coverage, 3 Years, Electronic	U4546E
	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
	Installation and Startup for Essentials Rapid Deployment Pack, Electronic	U5683E
	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.	U4556A
	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	U4556E
	Support Plus 24	
	Onsite HW support 24x7, 4hr response and Microsoft O/S SW Tech support offsite, onsite at HP's discretion, 24x7 2hr response time incl. HP holidays.	U4557A
	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	U4557E
	Onsite HW support 24x7, 4hr response and SuSE Linux SW Tech support offsite, onsite at HP's discretion, 24x7 2hr response time incl. HP holidays.	U6312A
	Onsite HW support 24x7, 4hr response and SuSE Linux SW Tech support offsite, onsite at HP's discretion, 24x7 2hr response time incl. HP holidays, Electronic	U6312E
	Onsite HW support 24x7, 4hr response and Red Hat ES Linux SW Tech support offsite, onsite at HP's discretion, 24x7 2hr response time incl. HP holidays.	U8334A
	Onsite HW support 24x7, 4hr response and Red Hat ES Linux SW Tech support offsite, onsite at HP's discretion, 24x7 2hr response time incl. HP holidays, Electronic	U8334E
	NOTE: For more information, customer/resellers can contact	



http://www.hp.com/services/carepack

Memory

NOTE: Memory configurations listed do not apply to "Factory Integrated Models".

HP ProLiant Model DL380 Generation 4 (G4) Base (1P) Models

Standard Memory

1 GB PC2 3200 DDR2 SDRAM running at 400MHz comes installed (2 x 512-MB SDRAM)

Standard Memory Plus Optional Memory

Up to 9-GB memory is available with the optional installation of PC2 3200 Registered DDR2 SDRAM DIMM Memory Option Kit

Standard Memory Replaced with Optional Memory

Up to 12-GB of memory is available with the removal of the standard 512-MB of memory and the optional installation of PC2 3200 Registered DDR2 SDRAM DIMM Memory Option Kit

NOTE: Chart does not represent all possible memory configurations.

Me	emory			Slot			
		1	2	3	4	5	6
Standard	1GB	512MB	512MB	Empty	Empty	Empty	Empty
Optional	9GB	512MB	512MB	2GB	2GB	2GB	2GB
Maximum	12GB	2GB	2GB	2GB	2GB	2GB	2GB

NOTE: In the online spare configuration, the ROM automatically configures the last populated bank 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 the single-rank memory options available from HP:

	SDRAM DIMM Memory Kit (2 x 512 MB)	 1GB of Advanced PC2 PC3200 DDR2
--	------------------------------------	---

343055-B21

2GB of Advanced PC2 PC3200 DDR2 SDRAM DIMM Memory Kit (2 x 1024 MB)

343056-B21

4GB of Single-Ranked PC2 PC3200 DDR2 SDRAM DIMM Memory Kit (2 x 2048 MB)

343057-B21

HP ProLiant Model DL380 Generation 4 (G4) High Performance (2P) Model

Standard Memory

2 GB PC2 3200 DDR2 SDRAM running at 400MHz comes installed (2 x 1024-MB SDRAM)

Standard Memory Plus Optional Memory

Up to 10-GB memory is available with the optional installation of PC2 3200 Registered DDR2 SDRAM DIMM Memory Option Kit

Standard Memory Replaced with Optional Memory

Up to 12-GB of memory is available with the removal of the standard 512-MB of memory and the optional installation of PC2 3200 Registered DDR2 SDRAM DIMM Memory Option Kit

NOTE: Chart does not represent all possible memory configurations.

Me	mory	Slot					
		1	2	3	4	5	6
Standard	2 GB	1024 MB	1024 MB	Empty	Empty	Empty	Empty
Optional	9 GB	1024 MB	1024 MB	2 GB	2 GB	2 GB	2 GB
Maximum	12 GB	2 GB	2 GB	2 GB	2 GB	2 GB	2 GB

Memory

NOTE: In the online spare configuration, the ROM automatically configures the last populated bank 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 the single rank memory options available from HP:

 1GB of Advanced PC2 PC3200 DDR2 SDRAM DIMM Memory Kit (2 x 512 MB) 	343055-B21
 2GB of Advanced PC2 PC3200 DDR2 SDRAM DIMM Memory Kit (2 x 1024 MB) 	343056-B21
 4GB of Advanced PC2 PC3200 DDR2 SDRAM DIMM Memory Kit (2 x 2048 MB) 	343057-B21

HP ProLiant Model DL380 Generation 4 (G4) Dual Rank Support:

Following is the dual rank memory option available from HP:

• 4GB of 2-Rank Advanced ECC PC3200 DDR2-400 SDRAM DIMM Memory Kit (2 x 2048 MB)

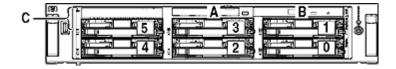
375004-B21

Following are the single/dual rank memory population rules for the ProLiant DL380 G4.

Key: S denotes single rank kit, D denotes Dual rank kit, and X denotes no install.

Bank A	Bank B	Bank C	NOTES:
S	Х	X	
S	S	X	
S	S	S	
D	Х	Х	Online spare not supported
D	S	X	Online spare not supported
D	S	S	Online spare not supported
D	D	X	Online spare not supported

Storage



0 - 5 Six 1" Ultra320 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

D 11 44 F	Quantity Supported	Position Supported	Controller
Removable Media			
1.44-MB Diskette Drive	1	Α	Integrated IDE NOTE: Optional except on high performance models
IDE CD-ROM Drive	1	В	Integrated IDE NOTE: Standard on base models
Slimline DVD-ROM (8x24x) Option Kit (Servers)	1	В	Integrated IDE NOTE: Standard on high performance models

Hard Drives

Ultra320 SCSI - Hot Plug Drives

	Quantity Supported	Position Supported	Controller
1-inch 300-GB 10,000 rpm 146.8-GB 10,000 rpm 72.8-GB 10,000 rpm 146.8-GB 15,000 rpm 72.8-GB 15,000 rpm	Up to 6	0-5	Smart Array 6i Controller (integrated on system board) Smart Array 6402/128 Controller Smart Array 6404/256 Controller Smart Array 641 Controller Smart Array 642 Controller 64-Bit/133-MHz Dual Channel Ultra320 SCSI Adapter
36.4-GB 15,000 rpm			

NOTE: All U320 Universal Hard Drives are backward compatible to U2 or U3 speeds.

Storage

External Storage

Ü	Quantity Supported	Position Supported	Host Controller or Adapter		
Modular Smart Array 20	1 per SCSI VHDCI connector	External	Smart Array 6i Controller Smart Array 6402/128 Controller Smart Array 6404/256 Controller		
Modular Smart Array 30	1 per SCSI VHDCI connector	External	Smart Array 6i Controller Smart Array 6402/128 Controller Smart Array 6404/256 Controller Smart Array 642 Controller 64-Bit/133-MHz Dual Channel Ultra320 SCSI Adapter		
Modular Smart Array 500 G2	1 per SCSI	External	Smart Array 6i Controller Smart Array 642 Controller (used as Host Bus Adapter) Please see the Modular Smart Array 500 G2 QuickSpecs for the latest list of supported HBAs: http://www.hp.com/go/msa500		
Modular Smart Array 1500 cs	Please see the Modular Smart Array 1500 cs QuickSpecs link below to determine configuration requirements	External	Please see the Modular Smart Array 1500 QuickSpecs (URL below) for the latest list of supported HBAs		
Modular Smart Array 1000	Please see the Modular Smart Array 1000 QuickSpecs link below to determine configuration requirements	External	Please see the Modular Smart Array 1000 QuickSpecs (URL below) for the latest list of supported HBAs		
Modular Smart Array 1000: http://h18000.www1.hp.com/products/quickspecs/11033_div/11033_div.HTML (Worldwide)					

http://h18000.www1.hp.com/products/quickspecs/11033_na/11033_na/HTML (North America)

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

Maximum Storage Capacity - (Enclosure SCSI Attached)

Internal 1.80 TB (6 x 300 GB Ultra320 1")

External 54.60 TB (13 x (14 x 300 GB Ultra320 1"))
Total 58.20 TB

Tape Drives, Tape Autoloaders, & Tape Libraries



Storage

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

http://h18000.www1.hp.com/products/quickspecs/North_America/10233.html (North America)

http://h18000.www1.hp.com/products/quickspecs/Division/10233.html (Worldwide)

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

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

http://h18000.www1.hp.com/products/quickspecs/Division/10809.html (Worldwide)

NOTE: For complete listing of tape drive offerings see

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

For recommended tape drive offerings for this ProLiant server see the following:

r or recommended tape arive	Quantity	Position	see the following.		
	Supported	Supported	Controller		
HP StorageWorks Tape Drives, Internal Ultrium 215 Ultrium 230 Ultrium 448 Ultrium 460 DAT 72 Tape Drive DAT 40 Tape Drive DAT 24 Tape Drive DLT VS80 Tape Drive SDLT 320 Tape Drive	Up to 2	Rack-mount enclosure	Smart Array 6i Controller (integrated on system board) 64-Bit/133MHz Dual Channel Ultra320 SCSI Adapter		
HP StorageWorks Tape Drives, Internal Ultrium 960	Up to 1	Rack-mount enclosure	64-Bit/133MHz Dual Channel Ultra320 SCSI Adapter		
HP StorageWorks Tape Drives, External Ultrium 215 Ultrium 230 Ultrium 448 Ultrium 460 Ultrium 960 DAT 72 Tape Drive DAT 40 Tape Drive DAT 24 Tape Drive DLT VS80 Tape Drive SDLT 320 Tape Drive	Up to 2	External	Smart Array 6i Controller (integrated on system board) (except DAT drives, they require the following option 64-Bit/133MHz Dual Channel Ultra320 SCSI Adapter		
HP StorageWorks Rack- mount Tape Drive Enclosures 1 U Rack-Mount Kit 3 U Rack-Mount Kit 5 U Rack-Mount Kit	1 per SCSI channel	External	Smart Array 6i Controller (integrated on system board) Smart Array 6402/128 Controller Smart Array 6404/256 Controller Smart Array 642 Controller		



Storage

HP StorageWorks Autoloaders, External DAT 72x6 Tape Autoloader

Autoloader 1/8 Tape Autoloader SSL1016 Tape Autoloader 1 autoloader per SCSI channel External

64-Bit/133MHz Dual Channel Ultra320 SCSI Adapter

HP StorageWorks Tape Libraries, External

MSL6060 (Ultrium 460 - based)

MSL6030 (Ultrium 460 - based)

MSL5026S2 (SDLT 320-

based)

MSL5052S2 (SDLT 320-

based)

MSL5030 (Ultrium 230 -

based)

MSL5060 (Ultrium 230 -

based)

Please reference the MSL Tape Library

QuickSpecs to determine configuration requirements External 64-Bit/133MHz Dual Channel Ultra320 SCSI Adapter

HP StorageWorks ESL E-Series Tape Libraries

ESL 712e ESL 630e ESL 322e ESL 286e Please reference the ESL E-series Tape Libraries QuickSpecs to determine configuration requirements

External

64-Bit/133MHz Dual Channel Ultra320 SCSI Adapter

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

OS



Power Specifications

Power Supply Specification	Part number		321632-001			
. эмэг барргу бразшашаг	Spare Kit		355892-B21			
Operational Input Voltage Range (V rms)			90 - 264			
Frequency Range (Nominal) (Hz)	47 - 63 (50 / 60)					
Nominal Input Voltage (V rms)	100	115	208	220	230	240
Max Rated Output Wattage Rating	575	575	575	575	575	575
Nominal Input Current (A rms)	7.4	6.4	3.4	3.2	3.1	2.9
Max Rated Input Wattage Rating (Watts)	728	719	701	693	693	693
Max. Rated VA (Volt-Amp)	743	733	716	707	707	707
Efficiency (%)	79	80	82	83	83	83
Power Factor	0.98					
Leakage Current (mA)	0.31	0.36	0.65	0.69	0.72	0.75
Max. Inrush Current (A peak)	35	35	35	35	35	35
Max. Inrush Current duration (mS)	2-3					
Power cord requirements	Nema 5-15P to IEC320-C13 Option no. / Spare no: See chart on Page 2					
	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://h30099.www3.hp.com/configurator/calc/Power%20Calculator%20Catalog.xls
To drill down to calculators:

- Click on: "ProLiant Servers"
- Click on the Server of interest. Example: DL380 G4
- Click on: "Power Calculator" link. (You may need to scroll down to see it)

# - Power cords (13 Cord Sets)	Country	Power Cord Part Number
	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 Dimensions (HxWxD) 3.38 x 17.54 x 26.01 in (8.59 x 44.54 x 66.07 cm)

(with feet/bezel)

Weight(approximate) Maximum 60 lb (27.22 kg)

No drives: 47.18 lb (20.41 kg)

Input RequirementsRated Input Voltage100-132 VAC, 200-240 VAC(per power supply)Rated Input Current7.5A (100VAC), 3.8A (200VAC)

Rated Input Frequency 50 to 60 Hz Rated Input Power 735 W

BTU Rating 2508 BTU/HR

Power Specifications To review typical system power ratings use the Active Answers Power

Calculator which is available via the online tool located at URL: http://h30099.www3.hp.com/configurator/powercalcs.asp.

To drill down to calculators:
- Click on: "ProLiant Servers"

- Click on the Server of interest. Example: DL380 G4

- Click on: "Power Calculator" link. (You may need to scroll down to see it.)

SCSI Connectors One external VHDCI connector

Power Supply Output Rated Steady-State Power 575W

Power

(per power supply)

Maximum Peak Power 575W

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

NOTE: All temperature ratings shown are for sea level. An altitude derating

of 1 C° per 300 m (1.8 FR Shipping -40° to 158° F (-40° to 70° C)

per 1000 ft) to 3048 m (10,000 ft) is applicable. No direct sunlight allowed.

Maximum Wet Bulb 82.4° F (28° C)

Temperature

Relative Humidity Operating 10% to 90%

(non-condensing)

NOTE: Storage maximum humidity of 95% is based

on a maximum

temperature of 45°C Shipping 5% to 95%

(113°F). Altititude maximum for storage corresponds to a pressure minimum of 70 kPa.

Technical Specifications

Acoustic Noise Idle Minimum (Fixed Disk

Drives Spinning)

L WAd (BELS) 7.4 L pAm (dBA) 58

Operating Minimum (Random Seeks to Fixed

Disks)

L WAd (BELS) 7.4 L pAm (dBA) 58

(Ultra320), Integrated

Smart Array 6i Controller Data Compatible with all Yes

Smart Array Controllers

Instant Upgrades to other Yes

Smart Array Controllers

Consistent Software

Manageability Tools

PCI-X Bus 64-bit up to 133 MHz (integrated on system board)

Electrical Protocol Low Voltage Differential (LVD) SCSI Protocols Supported Ultra 320, Ultra3, Ultra2 320 MB/s per channel

Yes

SCSI Peak Data Transfer Rate

Channels Two 68-Pin Wide-Ultra SCSI-3 connectors

SCSI Ports

(external/internal) NOTE: The ProLiant DL380 G4 external SCSI port can only be used if PORT

1 of the system board is NOT connected to the internal SCSI backplane.

Logical Drives Supported Supports up to 32 RAID volume

Cache 64 MB Read Cache

Battery-Backed Write Yes, with installation of Battery-Backed Write Cache Enabler, up to 128MB

Cache

RAID Support 0, 1, 1+0, 5

Online Configuration Yes Online Capacity Yes

Expansion

Logical Drive Capacity

Extension

Yes

Online Stripe Size

Migration

Yes

Online RAID Level

Migration

Yes

Online Spare Support Yes

Automatic Data Recovery Yes

Drive Roaming Yes Redundant Controllers No



Technical Specifications

Embedded NC7782 Dual Network Interface 10Base-T/100Base-TX/1000Base-TX

Port PCI-X

10/100/1000T Gigabit network adapter

Compatibility IEEE 802.3 10Base-T

IEEE 802.3ab 1000Base-T

IEEE 802.3u 100Base-TX

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 and 2000 Mb/s

Full-Duplex)

Two RJ-45 Connector

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

up to 328 ft (100 m)

100Base-TX Category 5 or higher UTP;

up to 328 ft (100 m)

Category 5 or higher UTP; 1000BaseTX

up to 328 ft (100 m)

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