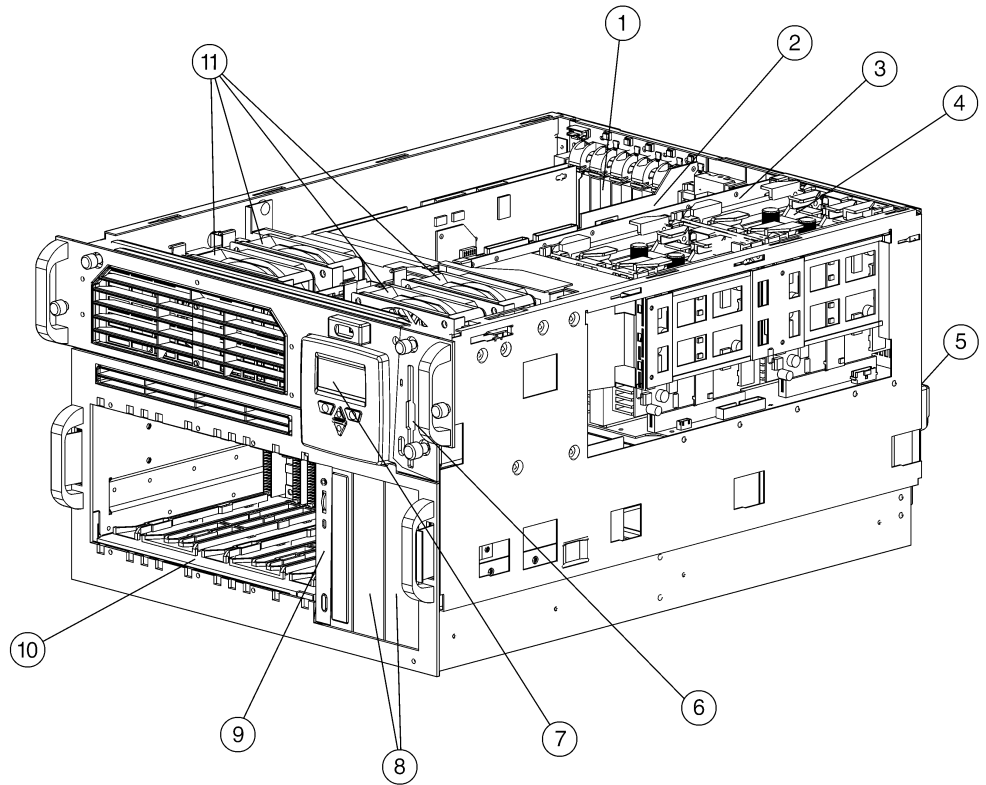


Overview

AT A GLANCE

- The most trusted standards-based server for 7 x 24 multi-server environments with new breakthrough performance
- 7U rack-optimized design
- Industry-Standard PCI Hot Plug with new push button functionality
- Supports one to four Intel Pentium® III Xeon™ 500 MHz processors
- 512-KB, 1-MB, and 2-MB L2 Cache
- ECC protected buffered EDO DIMM memory, (expandable to 4 GB)
- Six 64-bit Slots (5 PCI Hot Plug and 1 shared PCI/ISA)
- Integrated Dual-Channel Wide-Ultra SCSI-3 Adapter
- NC3131 64-bit PCI Dual Port 10/100 Controller upgradable to Gigabit
- Internal Hot Plug Drive Capacity of 182 GB (5 x 36.4 GB 1.6" hot plug hard drives)
- Standard Wide-Ultra SCSI-3 Drive Cage supports up to seven 1" or five 1.6" Hot Plug Drives
- Optional Wide Ultra2/Ultra3 Drive Cage, Removable Media Drive Cage and Drive Optimized Cage
- Robust set of hot plug and redundant features, including PCI Hot Plug, hot plug drive bays, redundant hot plug fans and power supplies and support for ECC memory, redundant NICs, ASR-2 and Online Recovery Server Option
- Integrated Management Display (IMD) and Integrated Remote Console (IRC)
- Protected by Compaq Services, including a limited three-year parts, labor and on-site warranty with optional four hour response. Pre-Failure Warranty and Compaq Service and Support Programs available on a Worldwide basis — Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center for details.



1. Six 64-bit I/O Slots (5 PCI Hot Plug and one shared PCI/ISA)
2. Peripheral Board
3. Memory Board
4. Processor with Redundant Processor Power Module
5. Two Redundant Hot Plug Power Supplies
6. Integrated 1.44-MB Diskette Drive, Two 5.25" Removable Media Bays
7. Integrated Management Display (IMD)
8. Two 5.25" Removable Media Bays
9. High Speed IDE CD-ROM
10. Seven 1" or five 1.6" Hot Plug Drive Bays with standard drive cage
11. Redundant Hot Plug Fans

QUICK SPECS

Compaq ProLiant 6500
Pentium III Xeon Models

Standard Features

MODELS

Compaq ProLiant 6500 Pentium III Xeon Models

Available in multiple configurations.

For model availability contact your Compaq Representative.

Processor

One to four Intel Pentium III Xeon processors 500 MHz

Cache Memory – One of the following:

2-MB level 2 cache
1-MB level 2 cache
512-K level 2 cache

Memory – One of the following:

Standard	512 MB ECC protected buffered EDO DIMM memory
Maximum	4 GB

Standard	256 MB ECC protected buffered EDO DIMM memory
Maximum	4 GB

Network Controller

NC3131 64-bit PCI dual port 10/100 Controller upgradable to Gigabit

Expansion Slots

I/O (Total)	6 available
PCI (Hot Plug)	5
Shared PCI/ISA	1

Storage Controllers

Integrated Dual-Channel Wide-Ultra SCSI-3 Adapter

Storage

Diskette Drives	1.44 MB
CD-ROM	High Speed IDE CD-ROM drive
Hard Drives	None
Maximum Internal Storage	182 GB (standard internal hot plug drive cage only)

Interfaces

Parallel	1
Serial	2
Pointing Device (mouse)	1
Graphics	1
Keyboard	1
External Wide-Ultra SCSI-3	1
Network RJ-45	2

Graphics

Integrated 1280 x 1024, 256 colors PCI Video controller with 2 MB of video SGRAM memory

Form Factor

7U Rack Form Factor
Ships with sliding rack rails and cable management arm; Standard 19" rack-mountable

Compaq Software

Compaq Insight Manager	The comprehensive system management tool that monitors the operation of Compaq servers, workstations and clients
Compaq SmartStart	The server configuration and software integration tool from Compaq
Array Configuration Utility (ACU) with Smart Array Controllers	Same easy to use yet powerful GUI configuration utility and easy to navigate wizards for all Smart Array Controllers
Compaq Advanced Network Fault Detection and Correction Feature	
Rack Builder	

Standard Features

Intelligent Manageability

- SCSI Duplex Enabler (optional)
- Compaq Insight Manager
- Compaq Remote Insight/PCI Board (optional)
- Integrated Remote Console-IRC
- Integrated Management Display (IMD)
- Integrated Management Log (IML)
- Server Health logging
- Automatic Server Recovery-2 (ASR-2)
- Recovery Server Option
- Off-Line Backup Processor capability
- Compaq Power Down Utility
- Compaq Power Supply Viewer
- Pre-Failure Warranty (covers processors as well as hard drives and memory)
- Tower Configuration Bezel and Power Supply Security Bar are keyed alike
- PCI Hot Plug with push button functionality
- Redundant Hot Plug Fans
- Smart Array 3200 Controller (optional)
- Dynamic sector repairing and drive parameter tracking (with Smart Array controllers)
- Redundant Processor Power Modules
- Redundant / adaptive load balancing NIC Support
- Hot Plug Dual Port 10/100 TX NIC
- Redundant Hot Plug Power Supplies
- Memory Upgrades (optional)
- Internal Storage Drive and Media Cage options

Security

- Power-on password
- Hot plug keyboard password
- Diskette drive control
- Diskette boot control
- Network server mode
- Security provision
- Parallel and serial interface control
- Administrator's password
- Disk configuration lock
- Hot plug access security
- Power supply lock
- Tower conversion option kit includes lockable bezel and keyed alike power supply lock

Power Supply

Two Redundant Hot Plug 750/500-Watt powers supplies per system. Power supplies are load sharing. Optimized for 220 volts; runs on 110 or 220 volts

Required Cabling

For required cabling information, refer to the Compaq web site at <http://www.compaq.com/products/servers/proliant6500-xeon>.

Note: This web site is available in English only.

OS Support

- Microsoft Windows NT
- Microsoft Windows 2000 Server
- Novell NetWare
- SCO UnixWare and OpenServer
- IBM OS/2 Warp Family
- Solaris for Intel Platforms
- Banyan VINES

Standard Features

Service and Support

Compaq Services provides a wide range of service offerings, including a three-year, limited warranty fully supported by a worldwide network of resellers and service providers, lifetime toll-free 7 x 24 hardware technical phone support and Pre-Failure Warranty coverage of hard drives, memory and processors. Disaster recovery services are available through partnership with Comdisco.

Note: Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center for details.

QUICKSPECS

Compaq *ProLiant* 6500
Pentium III Xeon Models

Standard Features

Models

6/500-2 MB Model 2-512
112726-xx1

Processor(s)	(2) Intel Pentium III Xeon 500 MHz	Network Controller	NC3131 Fast Ethernet NIC 64 PCI Dual Port 10/100 Controller
Cache Memory	2-MB Level 2	Storage Controller	Integrated Dual Channel Wide-Ultra SCSI-3 Adapter
Memory	ECC protected buffered EDO DIMM	Internal Storage	182 GB max
Standard	512 MB	Optical Drive	High Speed IDE CD-ROM Drive
Maximum	4 GB	Form Factor	7U Rack

6/500-1 MB Model 2-256
112952-xx1

Processor(s)	(2) Intel Pentium III Xeon 500 MHz	Network Controller	NC3131 Fast Ethernet NIC 64 PCI Dual Port 10/100 Controller
Cache Memory	1-MB Level 2	Storage Controller	Integrated Dual Channel Wide-Ultra SCSI-3 Adapter
Memory	ECC protected buffered EDO DIMM	Internal Storage	182 GB max
Standard	256 MB	Optical Drive	High Speed IDE CD-ROM Drive
Maximum	4 GB	Form Factor	7U Rack

6/500-512 KB Model 1-256
112951-xx1

Processor(s)	(1) Intel Pentium III Xeon 500 MHz	Network Controller	NC3131 Fast Ethernet NIC 64 PCI Dual Port 10/100 Controller
Cache Memory	512-K Level 2	Storage Controller	Integrated Dual Channel Wide-Ultra SCSI-3 Adapter
Memory	ECC protected buffered EDO DIMM	Internal Storage	182 GB max
Standard	256 MB	Optical Drive	High Speed IDE CD-ROM Drive
Maximum	4 GB	Form Factor	7U Rack

Country Code Key

XX=00	US
XX=02	Int'l
XX=29	Japan
XX=37	APD
XX=AA	PRC

Options

Processor

Pentium III Xeon 6/500-2 MB Processor Option Kit	117649-B21
Pentium III Xeon 6/500-1 MB Processor Option Kit	117648-B21
Pentium III Xeon 6/500-512 KB Processor Option Kit	117647-B21

Memory (DIMMs)

50ns EDO

1024-MB EDO Memory Expansion Kit (4 x 256-MB buffered EDO DIMMs, 50ns)	328583-B21
512-MB EDO Memory Expansion Kit (4 x 128-MB buffered EDO DIMMs, 50ns)	328582-B21
256-MB EDO Memory Expansion Kit (4 x 64-MB buffered EDO DIMMs, 50ns)	328581-B21
128-MB EDO Memory Expansion Kit (4 x 32-MB buffered EDO DIMMs, 50ns)	328580-B21

60ns EDO

1024-MB EDO Memory Expansion Kit (4 x 256-MB buffered EDO DIMMs, 60ns)	241774-B21
512-MB EDO Memory Expansion Kit (4 x 128-MB buffered EDO DIMMs, 60ns)	241773-B21

Optical Drives

DVD-ROM Drive Option Kit (Opal) (DVD-ROM Drive Option Kit only supported by Windows NT or Windows 2000 OS.)	388481-B21
DVD-ROM Drive Option Kit (Japan) (DVD-ROM Drive Option Kit only supported by Windows NT or Windows 2000 OS.)	388481-291

Internal Storage

SCSI Duplex Enabler	338708-B21
Drive Optimized Cage	338710-B21
Removable Media Cage	338709-B21
Wide Ultra2/Ultra3 SCSI Drive Cage (Wide Ultra2/Ultra3 Drives require the purchase and installation of the Wide Ultra2/Ultra3 Storage Cage Option Kit (382158-B21.))	382158-B21

Hard Drives

Note: Caution – Check to make sure that you are using the right drive with the correct drive cage.

Wide Ultra3 Drives – Universal Hot Plug

18.2-GB Wide Ultra3 SCSI 10,000 rpm Drive (1")	142673-B22
9.1-GB WideUltra3 SCSI 10,000 rpm Drive (1")	142671-B22

Note: Wide Ultra2/Ultra3 Drives require the purchase and installation of the Wide Ultra2/Ultra3 Storage Cage Option Kit (382158-B21.)

Wide Ultra2 SCSI – Universal Hot Plug

18.2-GB Wide Ultra2 SCSI 10,000 rpm Drive (1")	128418-B22
18.2-GB Wide Ultra2 SCSI Drive (1")	388144-B22
9.1-GB Wide Ultra2 SCSI 10,000 rpm Drive (1")	328939-B22
9.1-GB Wide Ultra2 SCSI Drive (1")	123065-B22

Note: Wide Ultra2/Ultra3 Drives require the purchase and installation of the Wide Ultra2/Ultra3 Storage Cage Option Kit (382158-B21.)

Wide Ultra SCSI-3 Drives – Hot Plug

36.4-GB Wide-Ultra SCSI-3 10,000 rpm Drive(1.6")	128420-B21
36.4-GB Wide-Ultra SCSI-3 Drive (1.6")	400740-B21
18.2-GB Wide-Ultra SCSI-3 10,000 rpm Drive (1")	128417-B21
18.2-GB Wide-Ultra SCSI-3 Drive (1")	400739-B21
9.1-GB Wide-Ultra SCSI-3 10,000 rpm Drive (1")	336357-B21
9.1-GB Wide-Ultra SCSI-3 Drive (1")	313706-B21

Options

Storage Controllers

Smart Array 431 Controller	127695-B21
Smart Array 431 Controller (Japan)	127695-291
Smart Array 221 Controller	388099-B21
Smart Array 221 Controller (Japan)	388099-291
Smart Array 3200 Controller	295643-B21
Smart Array 3200 Controller (Japan)	295643-291
Smart Array 4200 Controller	295636-B21
Smart Array 4200 Controller (Japan)	295636-291
64-bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter (The 64-bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter (129803-xx1) will default to Wide Ultra2, Wide-Ultra SCSI-3, Fast-Wide SCSI-2 or Fast SCSI-2 when not used with the Wide Ultra3 hard drives.)	129803-B21
64-bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter (Japan) (The 64-bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter (129803-xx1) will default to Wide Ultra2, Wide-Ultra SCSI-3, Fast-Wide SCSI-2 or Fast SCSI-2 when not used with the Wide Ultra3 hard drives.)	129803-291
64-bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter (The 64-bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter (154557-xx1) will default to Wide Ultra2, Wide-Ultra SCSI-3, Fast-Wide SCSI-2 or Fast SCSI-2 when not used with the Wide Ultra3 hard drives.)	154457-B21
64-bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter (Japan) (The 64-bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter (154557-xx1) will default to Wide Ultra2, Wide-Ultra SCSI-3, Fast-Wide SCSI-2 or Fast SCSI-2 when not used with the Wide Ultra3 hard drives.)	154457-291
Wide-Ultra SCSI-3 Adapter	272514-001

Communications

Compaq NC3123 Fast Ethernet NIC PCI 10/100 WOL	174830-B21
Compaq NC3122 Fast Ethernet NIC PCI Dual 10/100	317450-B21
Compaq NC3131 Fast Ethernet NIC 64 PCI Dual Base 10/100	338456-B21
Compaq NC3132 Fast Ethernet Module Dual 10/100 Upgrade Module for NC3131	338456-B22
Compaq NC6132 Gigabit Module 1000 SX Upgrade Module for NC3131	338456-B23
Compaq NC6133 Gigabit Module 1000 LX Upgrade Module for NC3131	338456-B24
Compaq NC3133 Fast Ethernet Module 100 FX Upgrade Module for NC3131	338456-B25
Compaq NC6134 Gigabit NIC 64 PCI 1000 SX	174818-B21
Compaq NC4621 Token Ring NIC PCI 4/16 WOL	379956-B21
IBM 16/4 Token Ring PCI Special	133749-B21
Compaq 56K ISA Fax Modem v.90	294900-002
ServerNet PCI Adapter	309833-B22
4M Cable	309834-B23
30M Cable	309834-B22

Internal Tape Drives

Note: In order to install certain tape drives internally, you may need to remove the rails that come standard on the drives and then re-insert the screws in the mounting holes.

Internal 20/40-GB DAT DDS-4 Tape Drive	157769-B21
Internal 12/24-GB DAT Drive (Opal)	295513-B22
Internal 12/24-GB DAT Drive (Opal) (Japan)	295513-292
Internal 4/8-GB DAT Drive (Opal)	295353-B22
Internal 4/8-GB DAT Drive (Opal) (Japan)	295353-292
Internal 4/8-GB SLR DAT Drive (Opal)	295480-B22
Internal 4/8-GB SLR DAT Drive (Opal) (Japan)	295480-292
Internal 35/70-GB DLT Drive	242520-B21

Options

Internal Tape Drives *(continued)*

Internal 35/70-GB DLT Drive (Japan)	242520-291
Internal 20/40-GB DLT Drive (Opal)	340743-B22
Internal 20/40-GB DLT Drive (Opal) (Japan)	340743-292
Internal AIT 50-GB Tape Drive	157766-B21
Internal AIT 35-GB Tape Drive	388504-B21
20/40-GB DAT 8 Cassette Autoloader - Internal	166504-B21
4-GB DDS-2 DAT Cassette	137611-001
DDS-4 Media (10 pack)	152842-001
20/40-GB DAT 8 Cassette Magazine w/Media	171532-B21
12-GB DDS-3 DAT Cassette (10 pack)	295515-B21
DAT Cleaning Cassette	242781-001
AIT 50-GB Data Cassette (five pack)	152841-001
AIT 35-GB Data Cassette (five pack)	402371-B21
AIT Cleaning Cassette	402374-B21

Management Options

Integrated Management Display (Beach Gray)	264377-B23
Integrated Management Display Option (Opal)	127409-B21
Compaq Remote Insight Lights-Out Edition	157866-001
Compaq Remote Insight Lights-Out Edition (EURO)	157866-021
Compaq Remote Insight Lights-Out Edition (ADP, Japan)	157866-371
Compaq Remote Insight (PCI) LAN + NA Modem	294013-002
Compaq Remote Insight (PCI) LAN + NA Modem (PAN EURO)	294013-B32
Compaq Remote Insight Board (PCI) LAN/Serial without modem	294013-B24
Compaq Remote Insight Board (PCI) LAN/Serial without modem (Japan)	294013-294
Compaq Remote Insight Board (PCI) LAN only	294013-B25
Compaq Remote Insight Board (PCI) LAN only (Japan)	294013-295

Monitors

TFT8020 18" Flat Panel Monitor (Opal)	326100-001
TFT8020 18" Flat Panel Monitor (Carbon)	159244-001
TFT8020 18" Flat Panel Monitor (Opal, bulk pack, two monitor heads per box)	173610-001
TFT5010 15" Flat Panel Monitor (Opal)	104741-001
TFT5010 15" Flat Panel Monitor (Carbon)	154486-001
TFT5000R Flat Panel Monitor	120207-001
TFT5000R Flat Panel Monitor (Int'l)	120207-B31
TFT5000R Flat Panel Monitor (Japan)	120207-291
P1610 Color	305708-001
P1100 Color	325606-001
P900 Color	386326-001
P700 Color	380207-001
V1100 Color	386472-001
V700 Color (Opal)	325800-001
V700 Color (Carbon)	325800-002
S910 Color	138485-001
S710 Color	152991-001
S510 Color	168636-001

Note: Monitors larger than 17" may be too heavy for use in rack systems.

Options

External Tape Drives

External 20/40-GB DAT DDS-4 Tape Drive	157770-001
External 20/40-GB DAT DDS-4 Tape Drive (Int'l)	157770-B31
External 20/40-GB DAT DDS-4 Tape Drive (Japan)	157770-291
External 35/70-GB DLT Drive	242521-B21
External 35/70-GB DLT Drive (Japan)	242521-291
External 20/40-GB DLT Drive (Opal)	340744-B22
External 20/40-GB DLT Drive (Opal) (Japan)	340744-292
External AIT 50-GB Tape Drive	157767-001
External AIT 50-GB Tape Drive (Int'l)	157767-B31
External AIT 50-GB Tape Drive (Japan)	157767-291
External AIT 35-GB Tape Drive	388507-001
External AIT 35-GB Tape Drive (Int'l)	388507-B31
External AIT 35-GB Tape Drive (Japan)	388507-291
20/40-GB DAT 8 Cassette Autoloader - External	166505-001
20/40-GB DAT 8 Cassette Autoloader - External (Int'l)	166505-B31
20/40-GB DAT 8 Cassette Autoloader - External (Japan)	166505-291
4-GB DDS-2 DAT Cassette	137611-001
DDS-4 Media (10 pack)	152842-001
20/40-GB DAT 8 Cassette Magazine w/Media	171532-B21
12-GB DDS-3 DAT Cassette (10 pack)	295515-B21
DAT Cleaning Cassette	242781-001
AIT 50-GB Data Cassette (five pack)	152841-001
AIT 35-GB Data Cassette (five pack)	402371-B21
AIT Cleaning Cassette	402374-B21

External Storage - Tower

Compaq StorageWorks Enclosure Model 4214T (tower)	124875-001
Compaq StorageWorks Enclosure Model 4214T (tower) (Int'l)	124875-B31
Compaq StorageWorks Enclosure Model 4214T (tower) (Japan)	124875-291
Note: The Compaq StorageWorks Enclosure 4200 Family supports the Wide Ultra2/Ultra3 1" Hot Plug Hard Drives.	
SCSI Storage Expander II	332609-001
SCSI Storage Expander II (Int'l)	332609-B21
SCSI Storage Expander II (Japan)	332609-291
ProLiant Tower Storage System Model UE	348710-002
ProLiant Tower Storage System Model UE (Int'l)	348710-B31
ProLiant Tower Storage System Model UE (Japan)	348710-291
ProLiant Tower Storage System Model U2	304110-B22
ProLiant Tower Storage System Model U2 (Int'l)	304114-B32
ProLiant Tower Storage System Model U2 (Japan)	304114-292
Note: The Compaq ProLiant Storage System Models UE and U2 support the Wide-Ultra SCSI-3 Drives.	
ProLiant Storage System Model F1 or U1 to Model UE Upgrade Kit	348718-B21
ProLiant Storage System Model F1 or U1 to Model UE Upgrade Kit (Japan)	348718-291
ProLiant Storage System Model F2 or U2 to Model UE Upgrade Kit	348706-B21
ProLiant Storage System Model F2 or U2 to Model UE Upgrade Kit (Japan)	348706-291
Conversion Kit, SB to DB/U	304116-B21
Conversion Kit, DB to SB/U	304115-B21

Options

External Storage – Tower *(continued)*

ProLiant Storage System/U Redundant Power Supply Option	224206-001
ProLiant Storage System/U Redundant Power Supply Option (Int'l)	224214-001
StorageWorks Enclosure 4200 Redundant Power Supply Option	119826-B21
StorageWorks Enclosure 4200 Dual Bus I/O Module Option	119829-B21
StorageWorks Enclosure 4200 Ultra3 Single Bus I/O Module Option	190212-B21
StorageWorks Enclosure 4200 Ultra3 Dual Bus I/O Module Option	190213-B21
StorageWorks Enclosure Tower to Rack Conversion Kit	150213-B21

External Storage - Rack

Compaq StorageWorks Enclosure Model 4214R (rack-mountable)	103381-001
Compaq StorageWorks Enclosure Model 4214R (rack-mountable) (Int'l)	103381-B31
Compaq StorageWorks Enclosure Model 4214R (rack-mountable) (Japan)	103381-291
Compaq StorageWorks Enclosure Model 4254R (rack-mountable)	138151-001
Compaq StorageWorks Enclosure Model 4254R (rack-mountable) (Int'l)	138151-B31
Compaq StorageWorks Enclosure Model 4254R (rack-mountable) (Japan)	138151-291

Note: The Compaq StorageWorks Enclosure 4200 Family support the Wide Ultra2/Ultra3 1" Hot Plug Hard Drives.

Rack-Mountable SCSI Storage Expander II	332607-001
Rack-Mountable SCSI Storage Expander II (Int'l)	332607-B21
Rack-Mountable SCSI Storage Expander II Japan	332607-291
Rack-Mountable ProLiant Storage System Model UE	348700-001
Rack-Mountable ProLiant Storage System Model UE (Int'l)	348700-B31
Rack-Mountable ProLiant Storage System Model UE (Japan)	348700-291
Rack-Mountable ProLiant Storage System Model U2	304100-B22
Rack-Mountable ProLiant Storage System Model U2 (Int'l)	304104-B32
Rack-Mountable ProLiant Storage System Model U2 (Japan)	304104-292

Note: The Compaq ProLiant Storage System Family supports the Wide-Ultra SCSI-3 Hot Plug Hard Drives.

ProLiant Storage System Model F1 or U1 to Model UE Upgrade Kit	348718-B21
ProLiant Storage System Model F1 or U1 to Model UE Upgrade Kit (Japan)	348718-291
ProLiant Storage System Model F2 or U2 to Model UE Upgrade Kit	348706-B21
ProLiant Storage System Model F2 or U2 to Model UE Upgrade Kit (Japan)	348706-291
ProLiant Storage System/U Redundant Power Supply Option	224206-B21
ProLiant Storage System/U Redundant Power Supply Option (Int'l)	224214-001
StorageWorks Enclosure 4200 Redundant Power Supply Option	119826-B21
StorageWorks Enclosure 4200 Dual Bus I/O Module Option	119829-B21
StorageWorks Enclosure 4200 Ultra3 Single Bus I/O Module Option	190212-B21
StorageWorks Enclosure 4200 Ultra3 Dual Bus I/O Module Option	190213-B21
StorageWorks Enclosure Tower to Rack Conversion Kit	150213-B21

Server Recovery

Recovery Server Option for ProLiant Storage System Model U1 & F1	304117-B21
ProLiant Storage System RSO/U Tower	387490-002
ProLiant Storage System RSO/U Tower (Int'l)	387490-B32
ProLiant Storage System RSO/U Tower (Japan)	387490-292
Rack-Mountable ProLiant Storage System RSO/U	387256-001
Rack-Mountable ProLiant Storage System RSO/U (Int'l)	387256-B31
Rack-Mountable ProLiant Storage System RSO/U (Japan)	387256-291

Note: The Compaq ProLiant Storage System RSO/U Models support the Wide-Ultra SCSI-3 Drives.

Options

StorageWorks DLT Department Library

TL895 (96 slot) library unit, 2 drive	349350-B22
TL895 (96 slot) library unit, 3 drive	349350-B23
TL895 (96 slot) library unit, 4 drive	349350-B24
TL895 (96 slot) library unit, 5 drive	349350-B25
TL895 (96 slot) library unit, 6 drive	349350-B26
TL895 (96 slot) library unit, 7 drive	349350-B27
TL891 DLT library unit, 1 drive Rack	120876-B21
TL891 DLT library unit, 2 drive Rack	120876-B22
TL881 DLT Library, 1 drive Rack	128669-B21
TL881 DLT Library, 2 drive Rack	128669-B22
Add-On 20/40-GB Drive for TL881	128671-B21
Add-On 20/40-GB Drive for TL881 (Japan)	128671-291
Add-On 35/70-GB Drive for TL891	120878-B21
Add-On 35/70-GB Drive for TL891 (Japan)	120878-291
DLT7000 drive upgrade kit (Available for TL895 DLT Library only.)	349351-B21
DLT7000 drive upgrade kit (Japan) (Available for TL895 DLT Library only.)	349351-291
MiniLibrary Data Unit (Available for TL881, TL891 DLT Libraries only.)	128670-B21
MiniLibrary Expansion Unit (Available for TL881, TL891 DLT Libraries only.)	120877-B21
DLT IV Data Cartridges (single pack)	295194-B21
DLT IV Data Cartridges (7 pack)	295192-B21
DLT Cleaning Cartridge	199704-001
MiniLibrary pass-through Mechanism Kit (Available for TL881, TL891 DLT Libraries only.)	120880-B21
10 Slot Magazine (Available for TL881, TL891 DLT Libraries only.)	120881-B21
MiniLibrary Table Top to Rack Mount Conversion Kit, Metric/RETMA racks (Available for TL881, TL891 DLT Libraries only.)	120882-B21
MiniLibrary Table Top to Rack Mount Conversion Kit, Compaq racks (Available for TL881, TL891 DLT Libraries only.)	120883-B21

Note: Please see the TL881, TL891 or TL895 Automated DLT Tape Library Solution QuickSpecs for additional information including Upgrade Kits, Accessories, ProLiant Connectivity Kits, Host Bus Adapters, SCSI Cable Kits, and Localization Kits and additional options needed for a complete solution at http://www1.compaq.com/products/detail/0,1522,wp-16365_2,00.html.

Automated AIT Tape Library Solution

SSL2020 AIT Mini-Library 1 drive, 20 slot Table Top	175195-B21
SSL2020 AIT Mini-Library 2 drive, 20 slot Table Top	175195-B22
SSL2020 AIT Mini-Library 1 drive, 20 slot Rackmount	175196-B21
SSL2020 AIT Mini-Library 2 drive, 20 slot Rackmount	175196-B22
SSL2020 AIT Library Pass Thru with Transport	175312-B21
SSL2020 AIT Library Pass Thru Extender	175312-B22
AIT 50GB Drive Add-On LVD Drive for SSL2020 AIT Library	175197-B21
19 Slot Magazine for SSL2020 AIT Library	175198-B21
AIT 50-GB Data Cassette (5 pack)	152841-001
AIT Cleaning Cassette	402374-B21
Tabletop to Rackmount Upgrade Kit for SSL2020 AIT Library, Compaq Rack	175199-B21
Tabletop to Rackmount Upgrade Kit for SSL2020 AIT Library, RETMA racks	175199-B22

Note: Please see the AIT Automated DLT Tape Library Solution QuickSpecs for additional information including Upgrade Kits, Accessories, and SCSI Cable Kits and additional options needed for a complete solution at http://www1.compaq.com/products/detail/0,1522,wp-16365_2,00.html.

Options

Tape Array Solution

TA1000 AIT Tape Array, Rackmount (US)	175005-001
TA1000 AIT Tape Array, Rackmount (Int'l)	175005-B31
TA1000 AIT Tape Array, Rackmount (Japan)	175005-291
AIT 50-GB Data Cassette (5 pack)	152841-001
AIT Cleaning Cassette	402374-B21
DLT Tape Array Model 0	199860-001
DLT Tape Array II Model 35/70-4 no software	295165-001
DLT Tape Array II Model 35/70-4 no software (Int'l)	295165-B31
DLT IV Data Cartridges (single pack)	295194-B21
DLT IV Data Cartridges (7 pack)	295192-B21
DLT Cleaning Cartridge	199704-001
DLT Library Tabletop Conversion Kit	350384-B21
Tape Array Cable Kit	242427-001

(Available for the DLT Tape Array and DLT Tape Array II only.)

Note: Please see the Compaq TA1000 AIT Tape Array or the Compaq DLT Tape Array II QuickSpecs for additional information including Tape Drives, Cartridges, Controllers, and SCSI Cables and additional options needed for a complete solution at http://www1.compaq.com/products/detail/0,1522,wp~16365_2,00.html.

StorageWorks Enterprise Tape Library

ESL9236D Enterprise Library 6 35/70 Drive	146205-B23
ESL9236D Enterprise Library 8 35/70 Drive	146205-B24
ESL9236D Enterprise Library 10 35/70 Drive	146205-B25
ESL9236D Enterprise Library 12 35/70 Drive	146205-B26
ESL9236D Enterprise Library 14 35/70 Drive	146205-B27
ESL9236D Enterprise Library 16 35/70 Drive	146205-B28
Library Ready 35/70GB Hot-swap drive for ESL9326D	146209-B21
ESL 9000 Pass Through Kit for Multi Unit Connectivity	161268-B21
DLT IV Data Cartridges (single pack)	295194-B21
DLT IV Data Cartridges (7 pack)	295192-B21
DLT Cleaning Cartridge	199704-001

Note: Please see the Compaq StorageWorks Enterprise Backup Solution QuickSpecs for additional information including Tape Drives, Cartridges, Controllers, and SCSI Cables and additional options needed for a complete solution at http://www1.compaq.com/products/detail/0,1522,wp~16365_2,00.html.

RAID Array 4000

StorageWorks Raid Array 4000 (rack)	223100-001
StorageWorks Raid Array 4100 (rack)	146013-001
StorageWorks Raid Array 4100 (rack) (Int'l)	146013-B31
StorageWorks Raid Array 4100 (rack) (Japan)	146013-291
Fibre Channel Storage Hub 12	295573-001
Fibre Channel Storage Hub 7	234453-001
Compaq Storage Hub 7 Universal Rack Mount Kit	136127-B21
Compaq Storage Hub 12 Management Option	159262-B21

Options

RAID Array 4000 (continued)

Fibre Channel Storage Hub – 12 Port with 41U/42U Bracket	295573-B22
Fibre Channel Host Adapter Kit/P	223180-B21
Fibre Channel Host Adapter Kit/P (Japan)	223180-291
Raid Array 4000 Redundant Array Controller	223187-B21
64-bit/66-MHz Fibre Channel Host Adapter	120186-B21
64-bit/66-MHz Fibre Channel Host Adapter (Japan)	120186-291
GBIC-SW Connector Kit (two each)	234459-B21
GBIC-LW Connector Kit (two each)	340412-B21
Fibre Channel Connection Kit, 3 SW GBICS, 2 Cables	380579-B21
Fibre Channel Connection Kit, 2 SW GBICS, 2 Cables	380596-B21
Fibre Channel Short Wave GBIC	380561-B21
Fibre Channel Long Wave GBIC	127508-B21
Fibre Channel Array Controller 64-MB Cache Upgrade Kit	262398-B21
2m Multi-Mode Fibre Channel Cable	234457-B21
5m Multi-Mode Fibre Channel Cable	234457-B22
15m Multi-Mode Fibre Channel Cable	234457-B23
30m Multi-Mode Fibre Channel Cable	234457-B24
50m Multi-Mode Fibre Channel Cable	234457-B25
Raid Array 4000 Redundant Power Supply	224206-001
Raid Array 4000 Tower to Rack Conversion Kit	297162-B21
Raid Array 4100 Rack to Tower Conversion Kit	154253-B21
Upgrade Kit for ProLiant Storage System F and F1	296324-B21
Fibre Channel Troubleshooting Kit	234468-B21

RAID Array 8000

Departmental Pedestal Models

RA8000 FC Single Controller (Opal)	400553-B22
RA8000 FC Dual Controller (Opal)	400552-B22
Expansion Cabinet 24 slot (Opal)	380570-B22

Rack Mountable Models

RA8000 FC Single Controller (Opal)	400554-B21
RA8000 FC Dual Controller (Opal)	400700-B21
Expansion Cabinet 24 slot (Opal)	380568-B21

Note: Please see the Compaq StorageWorks RAID Array 8000, ESA 12000 QuickSpecs for FC Hubs, FC switches, platform software, host adapters, disks and options for complete solutions.

Enterprise Storage Array 12000

ESA Building Blocks

High-Capacity/General Business – Dual Controllers 48 slots, 60Hz (Opal)	400557-002
High-Capacity/General Business – Dual Controllers 48 slots, 50Hz (Opal)	400558-B22
High Bandwidth Quad controllers 48 slots, 60Hz (Opal)	400555-002
High Bandwidth Quad controllers 48 slots, 50Hz (Opal)	400556-B22
Single Expansion Dual controllers 24 slots, 25U extra cabinet space, 60Hz (Opal)	400559-002
Single Expansion Dual controllers 24 slots, 25U extra cabinet space, 50Hz (Opal)	400560-B22
Expansion enclosure 48 slots, 60Hz (Opal)	380640-002
Expansion enclosure 48 slots, 50Hz (Opal)	380650-B22

Note: Please see the Compaq StorageWorks RAID Array 8000, 7000 ESA 10000 or 12000 QuickSpecs for FC Hubs, FC switches, platform software, host adapters, disks and options for complete solutions.

StorageWorks Modular Array 6000

MA6000 D14	187738-B21
MA6000 S14	187739-B21

Note: Please see the Compaq StorageWorks MA6000 QuickSpecs for FC Hubs, FC switches, platform software, host adapters, disks and options for complete solutions.

Options

StorageWorks Modular Array 8000/Enterprise Modular Array 12000

EMA12000 D14 60Hz	175990-B21
EMA12000 D14 50Hz	175990-B22
EMA12000 S14 60Hz	175991-B21
EMA12000 S14 50Hz	175991-B22
MA8000 60Hz	175992-B21
MA8000 50Hz	175992-B22
EMA1200 Blue 60Hz	175993-B21
EMA1200 Blue 50Hz	175993-B22

Note: Options include controller, solution kits, ACS. MA8000/EMA12000 includes controller shelf, drive shelves and cabinet. Packaging upgrade to RA8000/ESA12000.

Note: Please see the Compaq StorageWorks MA8000/EMA12000 QuickSpecs for FC Hubs, FC switches, platform software, host adapters, disks and option for complete solutions.

StorageWorks Options

Fibre Channel Tape Controller - II	152975-001
Fibre Channel Tape Controller - II (Int'l)	152975-B31
Fibre Channel Tape Controller - II (Japan)	152975-291
Fibre Channel Storage Switch 16	380578-B21
Fibre Channel Storage Switch 8	380591-B21
Fibre Channel SAN Switch/8 with Fabric Operating Software	158222-B21
Fibre Channel SAN Switch/16 with Fabric Operating Software	158223-B21
F200 Clustering Kit	380357-B21

Uninterruptible Power Systems - Tower

UPS Model T1500 (100-127 volt)	242688-003
UPS Model T1500h (200-240 volt) (Int'l)	242688-004
UPS Model T1500j (100-127 volt) (Japan)	242688-293
UPS Model T2000 (100-127 volt)	242688-005
UPS Model T2000j (100-127 volt) (Japan)	242688-295
UPS Model T2400h-NA (200-240 volt)	242688-006
UPS Model T2400h (200-240 volt) (Int'l)	242688-007
Multi-Server UPS Card	123508-B21
Scalable UPS Card	123509-B21
SNMP-EN Adapter	347225-B21
High to Low Voltage Transformer (250VA)	388643-B21

Uninterruptible Power Systems - Rack

Rack-Mountable UPS R1500 (100-127 VAC)	242704-001
Rack-Mountable UPS R1500h (200-230 VAC) (Int'l)	242704-002
Rack-Mountable UPS R1500j (100-127 VAC) (Japan)	242704-291
Rack-Mountable UPS R3000 (100-127 VAC)	242705-001
Rack-Mountable UPS R3000h (208-240 VAC) (Int'l)	242705-002
Rack-Mountable UPS R3000h-NA (208-240 VAC) NDC (non-detached cord)	242705-003
Rack-Mountable UPS R3000j (100-127 VAC) (Japan)	242705-291
Rack-Mountable UPS R6000 (208 VAC default) (NA)	347207-001
Rack-Mountable UPS R6000 (230 VAC default) (Int'l)	347207-B31
Rack-Mountable UPS R6000 (200 VAC default) (Japan)	347207-291
R6000 Extended Runtime Module	347224-B21
SNMP-EN Adapter	347225-B21
High to Low Voltage Transformer (250VA)	388643-B21
Multi-Server UPS Card	123508-B21
Scalable UPS Card	123509-B21

Options

Tower Conversion Kit

ProLiant 6500 Rack to Tower Conversion Kit 328948-B21

Note: Please see the Compaq Rack Builder for configuration assistance at www.compaq.com/products/storageworks/rack_accessories/rackbuilderpro2.html or download it at www.compaq.com/support/files/server/us/download/6956.html

Compaq Rack 9000 Series (Opal)

Compaq Rack 9142 (42U) - Pallet	120663-B21
Compaq Rack 9142 (42U) – Shock Pallet	120663-B22
Compaq Rack 9142 (42U) – Crated	120663-B23
Compaq Rack 9136 (36U) - Pallet	120664-B21
Compaq Rack 9136 (36U) – Shock Pallet	120664-B22
Compaq Rack 9136 (36U) - Crated	120664-B23
Compaq Rack 9122 (22U) - Pallet	120665-B21
Compaq Rack 9122 (22U) – Shock Pallet	120665-B22
Compaq Rack 9122 (22U) - Crated	120665-B23

Note: -B21 part numbers are for all Geos.
-B22 part numbers are used to ship configured racks (by custom systems, VARs and Channels.)
-B23 part numbers are used for air shipments.

Compaq Rack 7000 Series (Beach Gray)

Compaq Rack 7142 (42U) (NA)	165753-001
Compaq Rack 7142 (42U) (Air Shipment)	165753-002
Compaq Rack 7142 (42U) (Int'l)	165753-003
Compaq Rack 7142 (42U) (Japan)	165753-293

Rack Options for Compaq Rack 9000 Series

Baying Kit	120669-B21
9142 Side Panel Kit	120670-B21
9136 Side Panel Kit	120671-B21
Ballast Option Kit	120672-B21
Stabilizer Option Kit	120673-B21
Rack Rail Adapter Kit (25" depth)	120675-B21
Fan (110 VAC) Roof Mount	120677-B21
Fan (220 VAC) Roof Mount	120678-B21
Bustle Kit	120679-B21
Grounding Rack Option Kit	120682-B21

Rack Options for Compaq Rack 7000 Series

Rack Sidewall Kit (42U only)	165652-001
Rack Coupling Kit (42U only)	165664-001
Stabilizing Feet (42U only)	189907-001
High Air Flow Rack Door Insert for 7122	157847-B21
High Air Flow Rack Door Insert for 7142	327281-B21
High Air Flow Rack Door Insert for 7142 (six pack)	327281-B22
Compaq Rack Extension Kit for 7142	154392-B21

Rack Options for Compaq Rack 7000 and 9000 Series

Sliding Shelf Kit	332564-B21
Monitor Utility Shelf	303606-B21
Rack Blanking Panel Kit (Beach Gray) (US)	169940-001
Rack Blanking Panel Kit (Opal) (US)	169940-B21
Compaq Networking Cable Management Kit	292407-B21
Compaq Networking Recessed Rail Management Kit	292406-B21

Options

Rack Options for Compaq Rack 7000 and 9000 Series (continued)

High Capacity Cable Management Arm Kit	124711-B21
Compaq Power Distribution Unit – Low Voltage PDU (NA)	295363-001
Compaq Power Distribution Unit – Low Voltage PDU (Japan)	295363-291
Compaq Power Distribution Unit – High Voltage PDU (NA)	295363-002
Compaq Power Distribution Unit – High Voltage PDUh-NDC (non-detached cord) (Int'l)	295363-B32
Compaq Power Distribution Unit, 16A (NA, Int'l)	295363-B21
Compaq Power Distribution Unit, 30A (NA only)	295363-003
Server Console Switch 1 x 2 port (100-230 VAC)	120206-001
Server Console Switch 1 x 2 port (100-230 VAC) (Int'l)	120206-B31
Server Console Switch 1 x 2 port (100-230 VAC) (Japan)	120206-291
Server Console Switch 1 x 4 port (100-230 VAC)	400336-001
Server Console Switch 1 x 4 port (100-230 VAC) (Int'l)	400336-B31
Server Console Switch 1 x 4 port (100-230 VAC) (Japan)	400336-291
Server Console Switch 1 x 8 port (100-230 VAC)	400337-001
Server Console Switch 1 x 8 port (100-230 VAC) (Int'l)	400337-B31
Server Console Switch 1 x 8 port (100-230 VAC) (Japan)	400337-291
Server Console Switch 2 x 8 port (100-230 VAC)	400338-001
Server Console Switch 2 x 8 port (100-230 VAC) (Int'l)	400338-B31
Server Console Switch 2 x 8 port (100-230 VAC) (Japan)	400338-291
Server Console Switch 2 x 8 port (48VDC)	400542-B21
CPU to Server Console Cable, 12'	110936-B21
CPU to Server Console Cable, 20'	110936-B22
CPU to Server Console Cable, 40'	110936-B23
CPU to Server Console Cable, 3'	110936-B24
CPU to Server Console Cable, 6'	110936-B25
CPU to Server Console Cable (Plenum Rated) 20'	149363-B21
CPU to Server Console Cable (Plenum Rated) 40'	149364-B21
Switch Box Connector Kit (115V)	144007-001
Switch Box Connector Kit (230V)	144007-002
Switch Box Connector Kit (high voltage) (Int'l)	144007-B33
Rack Internal Trackball Keyboard (Opal) (UK)	185152-036
Rack Internal Trackball Keyboard (Opal) (Germany)	185152-046
Rack Internal Trackball Keyboard (Opal) (France)	185152-056
Rack Internal Trackball Keyboard (Opal) (Italy)	185152-066
Rack Internal Trackball Keyboard (Opal) (Spain)	185152-076
Rack Internal Trackball Keyboard (Opal) (Denmark)	185152-086
Rack Internal Trackball Keyboard (Opal) (Norway)	185152-096
Rack Internal Trackball Keyboard (Opal) (Sweden/Finland)	185152-106
Rack Internal Trackball Keyboard (Opal) (Switzerland)	185152-116
Rack Internal Trackball Keyboard (Opal) (Portugal)	185152-136
Rack Internal Trackball Keyboard (Opal) (Belgium)	185152-186
Rack Internal Trackball Keyboard (Opal) (Japan)	185152-296
Rack Internal Trackball Keyboard (Opal) (US)	185152-406
Rack Internal Trackball Keyboard (Opal) (Int'l)	185152-B36
1U Rack Keyboard Drawer	338056-B21
Keyboard/Monitor/Mouse extension cables	169989-001

Options

Rack Options for Third Party Cabinet Racks

Depth Adjustable Fixed Rails	332558-B21
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Service Upgrades (CarePacs)

Hardware Services 4-Hour On-site Service

4-Hour On-site Service, 9-Hour x 5-Day Coverage, 3 Years (2-5-2 Part Number for U.S.)	FM-HE4HR-36
4-Hour On-site Service, 9-Hour x 5-Day Coverage, 3 Years (2-5-2 Part Number for Canada)	FP-HE4HR-36
4-Hour On-site Service, 9-Hour x 5-Day Coverage, 3 Years (6-3 Part Number for U.S.)	401785-002
4-Hour On-site Service, 9-Hour x 5-Day Coverage, 3 Years (6-3 Part Number for Canada)	401785-122
4-Hour On-site Service, 9-Hour x 5-Day Coverage, 3 Years (6-3 Part Number for EMEA)	376907-022
4-Hour On-site Service, 24-Hour x 7-Day Coverage, 3 Years (2-5-2 Part Number for U.S.)	FM-HE724-36
4-Hour On-site Service, 24-Hour x 7-Day Coverage, 3 Years (2-5-2 Part Number for Canada)	FP-HE724-36
4-Hour On-site Service, 24-Hour x 7-Day Coverage, 3 Years (6-3 Part Number for U.S.)	401784-002
4-Hour On-site Service, 24-Hour x 7-Day Coverage, 3 Years (6-3 Part Number for Canada)	401784-122
4-Hour On-site Service, 24-Hour x 7-Day Coverage, 3 Years (6-3 Part Number for EMEA)	376908-022

Installation & Start-up Services

Hardware Installation (2-5-2 Part Number for U.S.)	FM-HEINS-IN
Hardware Installation (2-5-2 Part Number for Canada)	FP-HEINS-IN
Hardware Installation (6-3 Part Number for U.S.)	401794-002
Hardware Installation (6-3 Part Number for Canada)	401794-122
Hardware Installation (6-3 Part Number for EMEA)	Quote
O/S & Hardware Installation (2-5-2 Part Number for U.S.) (Hardware installation plus two days O/S start-up activity (installation, configuration, network access & orientation.))	FP-CXHSI-04
O/S & Hardware Installation (6-3 Part Number for U.S.) (Hardware installation plus two days O/S start-up activity (installation, configuration, network access & orientation.))	160558-002
O/S & Hardware Installation (6-3 Part Number for EMEA) (Hardware installation plus two days O/S start-up activity (installation, configuration, network access & orientation.))	Quote

Business Solutions Priority Service Plan – Priority Level

5 x 9 4-hour H/W, 5 x 9 2-hour O/S (NT & NetWare), Three Years (2-5-2 Part Number for U.S.)	FP-CX104-36
5 x 9 4-hour H/W, 5 x 9 2-hour O/S (NT & NetWare), Three Years (2-5-2 Part Number for Canada)	FP-CZ104-36
5 x 9 4-hour H/W, 5 x 9 2-hour O/S (NT & NetWare), Three Years (6-3 Part Number for U.S.)	155326-002
5 x 9 4-hour H/W, 5 x 9 2-hour O/S (NT & NetWare), Three Years (6-3 Part Number for Canada)	155326-122
5 x 9 4-hour H/W, 5 x 9 2-hour O/S (NT & NetWare), Three Years (6-3 Part Number for EMEA)	179837-022

Business Solutions Priority Service Plan – Priority 24 Level

7 x 24 4-hour H/W, 7 x 24 2-hour O/S (NT & NetWare), Three Years (2-5-2 Part Number for U.S.)	FP-CX204-36
7 x 24 4-hour H/W, 7 x 24 2-hour O/S (NT & NetWare), Three Years (6-3 Part Number for U.S.)	155330-002
7 x 24 4-hour H/W, 7 x 24 2-hour O/S (NT & NetWare), Three Years (6-3 Part Number for EMEA)	179842-022

Business Solutions Priority Service Plan – Priority Plus Level

7 x 24 4-hour H/W, 7 x 24 2-hour O/S (NT & NetWare), SPS Account Review, Three Years (2-5-2 Part Number for U.S.)	FP-CX304-36
7 x 24 4-hour H/W, 7 x 24 2-hour O/S (NT & NetWare), SPS Account Review, Three Years (2-5-2 Part Number for Canada)	FP-CZ304-36
7 x 24 4-hour H/W, 7 x 24 2-hour O/S (NT & NetWare), SPS Account Review, Three Years (6-3 Part Number for U.S.)	155334-002
7 x 24 4-hour H/W, 7 x 24 2-hour O/S (NT & NetWare), SPS Account Review, Three Years (6-3 Part Number for Canada)	155334-122

Options

Service Upgrades (CarePacs) (continued)

Business Solutions Priority Service Plan – Priority Premier Level

7 x 24 2-hour H/W, 7 x 24 1-hour O/S (NT & NetWare), SPS Account Review, Proactive Management Review, named S/w rep, Three Years (2-5-2 Part Number for U.S.)	FP-CX504-36
7 x 24 2-hour H/W, 7 x 24 1-hour O/S (NT & NetWare), SPS Account Review, Proactive Management Review, named S/w rep, Three Years (2-5-2 Part Number for Canada)	FP-CZ504-36
7 x 24 2-hour H/W, 7 x 24 1-hour O/S (NT & NetWare), SPS Account Review, Proactive Management Review, named S/w rep, Three Years (6-3 Part Number for U.S.)	155338-002
7 x 24 2-hour H/W, 7 x 24 1-hour O/S (NT & NetWare), SPS Account Review, Proactive Management Review, named S/w rep, Three Years (6-3 Part Number for Canada)	155338-122

Business Solutions Priority Service Plan – Priority Executive Premier Level

7 x 24 2-hour H/W, 7 x 24 30-min. O/S (NT & NetWare), SPS Account Review, Proactive Management Review, named S/w rep, Three Years (2-5-2 Part Number for U.S.)	FP-CX704-36
7 x 24 2-hour H/W, 7 x 24 30-min. O/S (NT & NetWare), SPS Account Review, Proactive Management Review, named S/w rep, Three Years (2-5-2 Part Number for Canada)	FP-CZ704-36
7 x 24 2-hour H/W, 7 x 24 30-min. O/S (NT & NetWare), SPS Account Review, Proactive Management Review, named S/w rep, Three Years (6-3 Part Number for U.S.)	155342-002
7 x 24 2-hour H/W, 7 x 24 30-min. O/S (NT & NetWare), SPS Account Review, Proactive Management Review, named S/w rep, Three Years (6-3 Part Number for Canada)	155342-122

Note: For more information, customer/resellers can contact www.Compaq.com/services.

Memory

**Compaq ProLiant 6500 Pentium III Xeon
6/500-512K & 6/500-1MB Models**

STANDARD MEMORY

256 MB Standard 16 slots, 4 DIMMs per bank up to 4096 MB of EDO Memory

Standard	Slot							
	1	2	3	4	5	6	7	8
256 MB	64 MB	64 MB	64 MB	64 MB	Empty	Empty	Empty	Empty
	9	10	11	12	13	14	15	16
	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty

STANDARD MEMORY PLUS OPTIONAL MEMORY

Support for up to 3328 MB of DIMM memory is available with the installation of optional EDO Memory Kits.

Up To	Slot							
	1	2	3	4	5	6	7	8
3328 MB	64 MB	64 MB	64 MB	64 MB	256 MB	256 MB	256 MB	256 MB
	9	10	11	12	13	14	15	16
	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB

STANDARD MEMORY REPLACED WITH OPTIONAL MEMORY

Support for up to 4096 MB of DIMM memory is available with the removal of standard memory and the installation of optional EDO Memory Kits.

Up To	Slot							
	1	2	3	4	5	6	7	8
4096 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB
	9	10	11	12	13	14	15	16
	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB

Note: This chart does not represent all possible memory configurations. Memory must be added in banks of four DIMMS.

Mixing of 50ns and 60ns memory is permitted; however, each bank of 4 DIMMs must contain the same size and speed DIMMS. Performance will default to the slower of the two speeds (that is, 60ns).

Following memory options are available from Compaq:

50ns EDO

- 1024-MB Memory Expansion Kit (4 x 256-MB buffered EDO DIMMs, 50ns) 328583-B21
- 512-MB Memory Expansion Kit (4 x 128-MB buffered EDO DIMMs, 50ns) 328582-B21
- 256-MB Memory Expansion Kit (4 x 64-MB buffered EDO DIMMs, 50ns) 328581-B21

60ns EDO

- 1024-MB Memory Expansion Kit (4 x 256-MB buffered EDO DIMMs, 60ns) 241774-B21
- 512-MB Memory Expansion Kit (4 x 128-MB buffered EDO DIMMs, 60ns) 241773-B21

Memory

Compaq ProLiant 6500 Pentium III Xeon 6/500-2MB Models

STANDARD MEMORY

512 MB Standard. 16 slots, 4 DIMMs per bank up to 4096 MB of EDO Memory

Standard	Slot							
	1	2	3	4	5	6	7	8
512 MB	128 MB	128 MB	128 MB	128 MB	Empty	Empty	Empty	Empty
	9	10	11	12	13	14	15	16
	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty

STANDARD MEMORY PLUS OPTIONAL MEMORY

Support for up to 3584 MB of DIMM memory is available with the installation of optional EDO Memory Kits.

Up To	Slot							
	1	2	3	4	5	6	7	8
3584 MB	128 MB	128 MB	128 MB	128 MB	256 MB	256 MB	256 MB	256 MB
	9	10	11	12	13	14	15	16
	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB

STANDARD MEMORY REPLACED WITH OPTIONAL MEMORY

Support for up to 4096 MB of DIMM memory is available with the removal of standard memory and the installation of optional EDO Memory Kits.

Up To	Slot							
	1	2	3	4	5	6	7	8
4096 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB
	9	10	11	12	13	14	15	16
	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB

Note: This chart does not represent all possible memory configurations. Memory must be added in banks of four DIMMS.

Mixing of 50ns and 60ns memory is permitted; however, each bank of 4 DIMMs must contain the same size and speed DIMMS. Performance will default to the slower of the two speeds (that is, 60ns).

Following memory options are available from Compaq:

50ns EDO

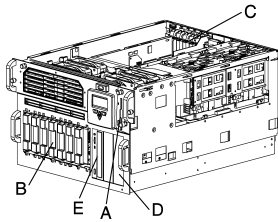
- 1024-MB Memory Expansion Kit (4 x 256-MB buffered EDO DIMMs, 50ns) 328583-B21
- 512-MB Memory Expansion Kit (4 x 128-MB buffered EDO DIMMs, 50ns) 328582-B21
- 256-MB Memory Expansion Kit (4 x 64-MB buffered EDO DIMMs, 50ns) 328581-B21

60ns EDO

- 1024-MB Memory Expansion Kit (4 x 256-MB buffered EDO DIMMs, 60ns) 241774-B21
- 512-MB Memory Expansion Kit (4 x 128-MB buffered EDO DIMMs, 60ns) 241773-B21

Storage

STANDARD COMPAQ PROLIANT 6500 DRIVE CAGE



Key:

- A - Diskette Drive
- B - Hot-pluggable hard disk drives (1 cage installed)
- C - 6 I/O expansion slots, 5 64-bit PCI Hot Plug and 1 shared 64-bit PCI/ISA
- D - 2 open media drive bays
- E - CD-ROM

	Quantity Supported	Position Supported	Controller
Removable Media			
1.44-MB Diskette Drive	Up to 1	A	Single, upgrade optional
IDE CD-ROM Drive	Up to 2	D and E	IDE
DVD-ROM Drive	Up to 2	D and E	IDE

Wide-Ultra SCSI-3 – Hard Drives

(System ships with one internal drive cage standard.)

Wide-Ultra SCSI-3 – Hot Plug			
1-inch	Up to 7	B	Integrated Dual Channel Wide-Ultra SCSI-3 Adapter Smart Array 3200 Controller Smart Array 221 Controller Smart Array 4200 Controller 64-bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter 64-bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter Wide-Ultra SCSI-3 Adapter
18.2-GB 10,000 rpm			
18.2-GB			
9.1-GB 10,000 rpm			
9.1-GB			
1.6-inch	Up to 5	B	
36.4-GB 10,000 rpm			
36.4-GB			

Note: Acceptable to mix 1-inch and 1.6-inch hard drives in the same Internal Drive Cage.

External Storage

StorageWorks Enclosure 4200 Family (supports Wide Ultra2/Ultra3 drives)	Up to 12	External	Smart Array 431 Controller Smart Array 221 Controller Smart Array 3200 Controller Smart Array 4200 Controller 64-bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter 64-bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter
ProLiant Storage System UE ProLiant Storage System U2 (supports Wide-Ultra SCSI-3 drives)	Up to 10 (2 per dual channel Smart controller)	External	Integrated Dual Channel Wide-Ultra SCSI-3 Adapter Smart Array 221 Controller Smart Array 3200 Controller Smart Array 4200 Controller 64-bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter 64-bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter Wide-Ultra SCSI-3 Adapter
SCSI Storage Expander II	Up to 10 (2 per dual channel SCSI controller)	External	Integrated Dual Channel Wide-Ultra SCSI-3 Adapter Smart Array 3200 Controller 64-bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter 64-bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter Wide-Ultra SCSI-3 Adapter
StorageWorks Raid Array 4000 or 4100 Kit	Up to 12	External	Fibre Channel Host Adapter

Maximum Storage Capacity – (SCSI Attached)

Internal:	182 GB (5 x 36.4-GB hot pluggable drives)
External:	Over 1.4 TB hot plug SCSI storage
Total:	1.53 TB

Maximum Storage Capacity – (External StorageWorks Enclosure Attached)

Internal:	182 GB (5 x 36.4-GB hot pluggable drives)
External:	3.057 TB (12 x 14 x 18.2-GB hot pluggable drives)
Total:	3.239 TB

Maximum Storage Capacity – (External RAID Array 4000 Attached)

Internal:	182 GB (5 x 36.4-GB hot pluggable drives)
External:	Over 8-TB hot plug SCSI storage
Total:	8.13 TB

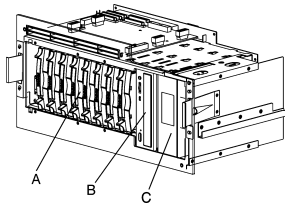
Storage

STANDARD COMPAQ PROLIANT 6500 DRIVE CAGE *(continued)*

	Quantity Supported	Position Supported	Controller
Tape Drives			
Internal 12/24-GB DAT Internal 20/40-GB DAT DDS-4 Internal 4/8-GB DAT	Up to 2	D	Wide-Ultra SCSI-3 Adapter Integrated Dual Channel Wide-Ultra SCSI-3 Adapter 64-bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter 64-bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter
Internal 35/70-GB DLT Internal 20/40-GB DLT 20/40-GB DAT DDS-4 8 Cassette Autoloader (internal)	1	D	Wide-Ultra SCSI-3 Adapter Integrated Dual Channel Wide-Ultra SCSI-3 Adapter 64-bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter 64-bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter
DLT Tape Array II Model 35/70	1 to 4 DLT drives per controller	External	Integrated Dual Channel Wide-Ultra SCSI-3 Adapter Wide-Ultra SCSI-3 Adapter
External 35/70-GB DLT External 20/40-GB DLT	Up to 3 per controller	External	Integrated Dual Channel Wide-Ultra SCSI-3 Adapter Wide-Ultra SCSI-3 Adapter Two Integrated Wide-Ultra SCSI-3 Adapters 64-bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter 64-bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter
TL895 (96 Slot) DLT Library (2 – 7 Drive) TL891 DLT Library (1 – 2 Drive) TL881 DLT Library (1 – 2 Drive)	2 drives per SCSI channel	External	Integrated Dual Channel Wide-Ultra SCSI-3 Adapter Wide-Ultra SCSI-3 Adapter

Storage

OPTIONAL COMPAQ PROLIANT 6500 ULTRA2/ULTRA3 DRIVE CAGE



382158-B21

Key:

- A - Hot pluggable hard disk drives
- B - CD-ROM
- C - 2 open media drive bays

	Quantity Supported	Position Supported	Controller
Removable Media			
DVD-ROM Drive	Up to 2	B and C	IDE
IDE CD-ROM Drive	Up to 2	B and C	IDE
Wide Ultra2 SCSI Hard Drives			
<i>Wide Ultra2 Hot Pluggable Drives</i>			
<u>1-inch</u>	Up to 9	A	Smart Array 3200 Controller
18.2-GB 10,000 rpm			Smart Array 431 Controller
18.2-GB			Smart Array 221 Controller
9.1-GB 10,000 rpm			Smart Array 4200 Controller
9.1-GB			64-bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter 64-bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter Integrated Dual Channel Wide-Ultra SCSI-3 Adapter
<i>Wide Ultra3 Hot Pluggable Drives</i>			
<u>1-inch</u>	Up to 9	A	Smart Array 3200 Controller
18.2-GB 10,000 rpm			Smart Array 431 Controller
9.1-GB 10,000 rpm			Smart Array 221 Controller
			Smart Array 4200 Controller
			64-bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter 64-bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter Integrated Dual Channel Wide-Ultra SCSI-3 Adapter
External Storage			
StorageWorks Enclosure 4200 Family (supports Wide Ultra2/Ultra3 drives)	Up to 12	External	Smart Array 221 Controller Smart Array 431 Controller Smart Array 3200 Controller Smart Array 4200 Controller 64-bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter 64-bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter
ProLiant Storage System UE ProLiant Storage System U2 (supports Wide-Ultra SCSI-3 drives)	Up to 10 (2 per dual channel Smart controller)	External	Integrated Dual Channel Wide-Ultra SCSI-3 Adapter Smart Array 221 Controller Smart Array 3200 Controller Smart Array 4200 Controller 64-bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter 64-bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter Wide-Ultra SCSI-3 Adapter
SCSI Storage Expander II	Up to 10 (2 per dual channel SCSI controller)	External	Integrated Dual Channel Wide-Ultra SCSI-3 Adapter Smart Array 3200 Controller 64-bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter 64-bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter
StorageWorks Raid Array 4000 or 4100 Kit	Up to 11 (per controller utilizing 12 port hub, up to five controllers supported)	External	Fibre Channel Host Adapter
Maximum Storage Capacity – (SCSI Attached)			
Internal:	163.8 GB (9 x 18.2-GB hot pluggable drives)		
External:	Over 1.4 TB hot plug SCSI storage		
Total:	1.4819 TB		
Maximum Storage Capacity – (External StorageWorks Enclosure Attached)			
Internal:	163.8 GB (9 x 18.2-GB hot pluggable drives)		
External:	3.057 TB (12 x 14 x 18.2-GB hot pluggable drives)		
Total:	3.221 TB		

Storage

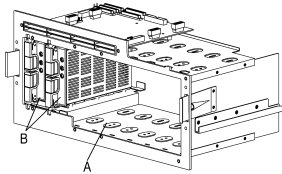
OPTIONAL COMPAQ PROLIANT 6500 ULTRA2/ULTRA3 DRIVE CAGE *(continued)*

Maximum Storage Capacity – (RAID Array 4000 Attached)

Internal:	163.8 GB (9 x 18.2-GB hot pluggable drives)
External:	Over 8-TB hot plug SCSI storage
Total:	8.0819 TB

	Quantity Supported	Position Supported	Controller
Tape Drives			
DLT Tape Array II Model 35/70	1 to 4 DLT drives per controller	External	Integrated Dual Channel Wide-Ultra SCSI-3 Adapter Compaq Wide-Ultra SCSI-3 Adapter
Internal 35/70-GB DLT Internal 20/40-GB DLT 20/40-GB DAT DDS-4 8 Cassette Autoloader (internal)	1	C	Integrated Dual Channel Wide-Ultra SCSI-3 Adapter 64-bit Dual Channel Wide Ultra2 SCSI Adapter 64-bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter 64-bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter Compaq Wide-Ultra SCSI-3 Adapter
Internal 12/24-GB DAT Internal 20/40-GB DAT DDS-4 Internal 4/8-GB DAT	Up to 2	C	Integrated Dual Channel Wide-Ultra SCSI-3 Adapter 64-bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter 64-bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter Compaq Wide-Ultra SCSI-3 Adapter
External 35/70-GB DLT External 20/40-GB DLT	Up to 3 per controller	External	Integrated Dual Channel Wide-Ultra SCSI-3 Adapter or 64-bit Dual Channel Wide Ultra2 SCSI Adapter 64-bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter 64-bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter Compaq Wide-Ultra SCSI-3 Adapter
TL895 (96 Slot) DLT Library (2 – 7 Drive) TL891 DLT Library (1 – 2 Drive) TL881 DLT Library (1 – 2 Drive)	2 drives per SCSI channel	External	Compaq Dual Channel Wide-Ultra SCSI-3 Adapter Compaq Wide-Ultra SCSI Adapter

Storage



338709-B21

Key:

- A - Open Media Bays
- B - Hot pluggable hard disk drives
- C - Integrated CD-ROM

OPTIONAL COMPAQ PROLIANT 6500 REMOVABLE MEDIA CAGE

	Quantity Supported	Position Supported	Controller
Removable Media			
IDE CD-ROM Drive	1	B	IDE
DVD-ROM Drive	1	B	IDE
SCSI CD-ROM Drive	2	B	Integrated Dual-Channel Wide-Ultra SCSI-3 or Optional SCSI Adapter

Wide-Ultra SCSI-3 – Hard Drives

Wide-Ultra SCSI-3 – Hot Plug

Drive Type	Quantity	Position	Controller
1-inch 18.2-GB 10,000 rpm 18.2-GB 9.1-GB 10,000 rpm 9.1-GB	Up to 6	B	Integrated Dual Channel Wide-Ultra SCSI-3 Adapter Smart Array 221 Controller Smart Array 3200 Controller Smart Array 4200 Controller
1.6-inch 36.4-GB 10,000 rpm 36.4-GB	Up to 4	B	64-bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter 64-bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter Wide-Ultra SCSI-3 Adapter

Note: Acceptable to mix 1-inch and 1.6-inch hard drives in the same Internal Drive Cage.

Maximum Storage Capacity – (SCSI Attached)

Internal:	145.6 GB (4 x 36.4-GB hot pluggable drives)
External:	Over 1.4 TB hot plug SCSI storage
Total:	1.454 TB

Maximum Storage Capacity – (External StorageWorks Enclosure Attached)

Internal:	145.6 GB (4 x 36.4-GB hot pluggable drives)
External:	3.057 TB (12 x 14 x 18.2-GB hot pluggable drives)
Total:	3.203 TB

Maximum Storage Capacity – (External RAID Array 4000 Attached)

Internal:	145.6 GB (4 x 36.4-GB hot pluggable drives)
External:	Over 8-TB hot plug SCSI storage
Total:	8.091 TB

Tape Drives

Internal 35/70-GB DLT Internal 20/40-GB DLT 20/40-GB DAT DDS-4 8 Cassette Autoloader (internal)	Up to 3	A	Integrated Dual Channel Wide-Ultra SCSI-3 Adapter 64-bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter 64-bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter Compaq Wide-Ultra SCSI-3 Adapter
Internal 12/24-GB DAT Internal 20/40-GB DAT DDS-4 Internal 4/8-GB DAT Internal 4/8-GB SLR	Up to 6	A	Integrated Dual Channel Wide-Ultra SCSI-3 Adapter 64-bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter 64-bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter Compaq Wide-Ultra SCSI-3 Adapter
DLT Tape Array II Model 35/70	1 to 4	External	Integrated Dual Channel Wide-Ultra SCSI-3 or optional Compaq Wide-Ultra SCSI-3 Adapter
35/70-GB DLT External 20/40-GB DLT External	Up to 3	External	Integrated Dual Channel Wide-Ultra SCSI-3 Adapter 64-bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter 64-bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter Compaq Wide-Ultra SCSI-3 Adapter

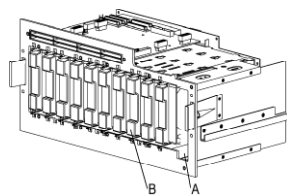
Storage

OPTIONAL COMPAQ PROLIANT 6500 REMOVABLE MEDIA CAGE *(continued)*

	Quantity Supported	Position Supported	Controller
TL895 (96 Slot) DLT Library (2 – 7 Drive)	2 drives per SCSI channel	External	Compaq Dual Channel Wide-Ultra SCSI-3 Adapter
TL891 DLT Library (1 – 2 Drive)			
TL881 DLT Library (1 – 2 Drive)			Compaq Wide-Ultra SCSI Adapter

Storage

OPTIONAL COMPAQ PROLIANT 6500 DRIVE OPTIMIZED CAGE



338710-B21

Key:

- A - CD-ROM
- B - Hot pluggable hard disk drives

	Quantity Supported	Position Supported	Controller
Removable Media			
IDE CD-ROM Drive	1	B	IDE
DVD-ROM Drive	1	A	IDE
Wide-Ultra SCSI-3 – Hard Drives			
<i>Wide-Ultra SCSI-3 – Hot Plug</i>			
1-inch			
18.2-GB 10,000 rpm	Up to 10	B	Integrated Dual Channel Wide-Ultra SCSI-3 Adapter Smart Array 3200 Controller Smart Array 4200 Controller Smart Array 221 Controller 64-bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter 64-bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter Wide-Ultra SCSI-3 Adapter
18.2-GB			
9.1-GB 10,000 rpm			
9.1-GB			
1.6-inch			
36.4-GB 10,000 rpm	Up to 7	B	
36.4-GB			
Note: Acceptable to mix 1-inch and 1.6-inch hard drives in the same Internal Drive Cage.			
Maximum Storage Capacity – (SCSI Attached)			
Internal:	254.8 GB (7 x 36.4-GB hot pluggable drives)		
External:	Over 1.4 TB hot plug SCSI storage		
Total:	1.5274 TB		
Maximum Storage Capacity – (External StorageWorks Enclosure Attached)			
Internal:	254.8 GB (7 x 36.4-GB hot pluggable drives)		
External:	3.057 TB (12 x 14 x 18.2-GB hot pluggable drives)		
Total:	3.312 TB		
Maximum Storage Capacity – (External RAID Array 4000 Attached)			
Internal:	254.8 GB (7 x 36.4-GB hot pluggable drives)		
External:	Over 8-TB hot plug SCSI storage		
Total:	8.1274 TB		
Tape Drives			
Internal 35/70-GB DLT Internal 20/40-GB DLT 20/40-GB DAT DDS-4 8 Cassette Autoloader (internal)	Up to 3	A	Integrated Dual Channel Wide-Ultra SCSI-3 Adapter 64-bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter 64-bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter Compaq Wide-Ultra SCSI-3 Adapter
Internal 12/24-GB DAT Internal 20/40-GB DAT DDS-4 Internal 4/8-GB DAT Internal 4/8-GB SLR			
DLT Tape Array II Model 35/70	1 to 4	External	Integrated Dual Channel Wide-Ultra SCSI-3 Adapter Integrated Dual Channel Wide-Ultra SCSI-3 Adapter Compaq Wide-Ultra SCSI-3 Adapter
35/70-GB DLT External 20/40-GB DLT	Up to 3	External	Integrated Dual Channel Wide-Ultra SCSI-3 Adapter 64-bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter 64-bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter Compaq Wide-Ultra SCSI-3 Adapter
TL895 (96 Slot) DLT Library (2 – 7 Drive) TL891 DLT Library (1 – 2 Drive) TL881 DLT Library (1 – 2 Drive)			
	2 drives per SCSI channel	External	Compaq Dual Channel Wide-Ultra SCSI-3 Adapter Compaq Wide-Ultra SCSI Adapter

Storage

SUPPORTED TAPE DRIVE OPTIONS

35/70-GB DLT	Novell NetWare SCO UNIX OS/2 Warp and LAN Server Microsoft Windows NT	AS, JS, LG, SE AO, UX NV, AL, PS AS, NT, SE
20/40-GB DLT	Novell NetWare SCO UNIX OS/2 Warp and LAN Server Microsoft Windows NT	AS, JS, LG, SE AO, UX NV, AL, PS AS, NT, SE
Internal 12/24-GB DAT	Novell NetWare SCO UNIX Microsoft Windows NT	AS, JS, SE Native (Tar & CPIO) AS, NT, SE
Internal 20/40-GB DAT DDS-4	Novell NetWare Microsoft Windows NT	AS, JS, SE AS, NT, SE
Internal 4/8-GB DAT	Novell NetWare SCO UNIX Microsoft Windows NT	AS, JS, SE Native (Tar & CPIO) AS, NT, SE
Internal 4/8-GB SLR	Novell NetWare SCO UNIX Microsoft Windows NT	AS, JS, SE Native (Tar & CPIO) AS, NT, SE
20/40-GB DAT DDS-4 8 Cassette Autoloader	Novell NetWare Microsoft Windows NT	AS, JS, SE AS, NT, SE
DLT Tape Array II Model 35/70	Novell NetWare SCO UNIX Microsoft Windows NT	LG UX LG
TL895 (96 Slot) DLT Library (2 – 7 Drive)	Novell NetWare Microsoft Windows NT 4.0	AS, SE AS, NT, SE, LG
TL891 DLT Library (1 – 2 Drive)	Novell NetWare Microsoft Windows NT 4.0	AS, SE AS, NT, SE, LG
TL881 DLT Library (1 – 2 Drive)	Novell NetWare Microsoft Windows NT 4.0	AS, SE AS, NT, SE

Keys to Chart

AL	Computer Associates ARCsolo for OS/2	VN	Banyan VINES support for Compaq tape drives included in operating system
AS	Computer Associates ARCserve	UX	Device drivers for Compaq tape drives available from SCO in the SCO Compaq Supplement
JS	Computer Associates JETserve	NT	Microsoft Windows NT support for Compaq tape drives included in operating system
AO	Computer Associates ARCserve Open	NV	Novastor Novaback for OS/2
LG	Legato Networker Software from Legato	PS	IBM PSnS (Personal Safe n Sound)
ST	Sytos Plus software		
SE	Veritas Software Backup Exec		

Upgrades

MODELS

ProLiant 6500 Pentium II
Xeon Server Upgrade
338707-B21

STANDARD FEATURES

Overview

The Compaq ProLiant 6000, ProLiant 6500, and ProLiant 7000 Enterprise Servers were specifically designed to protect customers' investments by providing superior expansion and in-chassis upgrades to Intel's Pentium II Xeon processing power. This investment protection is now available in three innovative server upgrade kits. The Compaq ProLiant 6000, ProLiant 6500, and ProLiant 7000 Pentium II Xeon Server Upgrade kits offer customers upgradeability to four-way SMP Intel Pentium II Xeon processing power, and for the ultimate in scalability the Compaq ProLiant 7000 will offer an eight-way Pentium II Xeon Server Upgrade kit.

For information on the Compaq Pentium II Xeon Server Upgrade Programs and available rebates in certain countries only, visit www.compaq.com

BENEFITS

Investment Protection

The industry's first Pentium II Xeon in-chassis server upgrade was designed to maximize your investment in server technology. By design, many ProLiant server hardware and software components will migrate during the Pentium II Xeon Server Upgrade. These components include your existing ProLiant server chassis and serial number, hot plug power supplies, hot plug hard drives, removable media devices, PCI adapters and all your existing EDO memory.

Performance

Your Enterprise Server applications will demonstrate significant increases in system performance by upgrading from Pentium Pro to Pentium II Xeon processor technology. In many Compaq tests Pentium II Xeon processor performance was nearly twice the performance of Pentium Pro processors. Visit the Compaq web site at www.compaq.com for the latest in Compaq ProLiant Server performance.

Features

The Compaq ProLiant 6000, ProLiant 6500, and ProLiant 7000 Pentium II Xeon Server Upgrade kits include the hardware and software tools necessary to successfully complete an in-chassis server upgrade. Key components in each ProLiant Pentium II Xeon Server Upgrade kit include new host, I/O and memory boards, hot plug fans, and software tools.

Each kit provides installation tools and a detailed installation manual, as well as an interactive CD-ROM for a complete end-to-end solution. Compaq recommends that a specially trained Compaq Authorized Technician perform this service upgrade. In the U.S., these services are free between the hours of 9:00 A.M. and 5:00 P.M., or you can pay for after-hours installation if you need ASAP deployment. To schedule a Pentium II Xeon Server Upgrade in the U.S., call 1-800-354-9000, select Option 3, and Special Routing Code 1411. For service outside the U.S., contact your Compaq Care Center for more information.

Upgrades

SPECIFICATIONS

Servers

All Pentium Pro models of the ProLiant 6000, ProLiant 6500, and ProLiant 7000

Operating Systems

All operating systems currently supported by the ProLiant 6000 Pentium II Xeon server will be supported by the Pentium II Xeon Server Upgrade.

System Software

Server Configuration Utility – aids in collection and migration of system hardware configuration settings.

Manual scripts for NT 4.0 assist in migration of software and data without OS or application reinstallation.

Expansion Cards

PCI-based adapters are supported, as well as ISA-based modem cards. EISA-based adapters are not supported. Visit the Compaq web site for a complete list of supported expansion cards in the Compaq ProLiant 6000, 6500, and 7000 servers.

Memory

Buffered EDO DIMMs can be migrated during the Compaq ProLiant 6000, ProLiant 6500, and ProLiant 7000 Pentium II Xeon Server Upgrade. Supported memory kits include:

50ns EDO

1024-MB EDO Memory Expansion Kit (4 x 256-MB buffered EDO DIMMs, 50ns)	328583-B21
512-MB EDO Memory Expansion Kit (4 x 128-MB buffered EDO DIMMs, 50ns)	328582-B21
256-MB EDO Memory Expansion Kit (4 x 64-MB buffered EDO DIMMs, 50ns)	328581-B21
128-MB EDO Memory Expansion Kit (4 x 32-MB buffered EDO DIMMs, 50ns)	328580-B21

60ns EDO

1024-MB EDO Memory Kit (4 x 256-MB buffered EDO DIMMs, 60ns)	241774-B21
512-MB EDO Memory Kit (4 x 128-MB buffered EDO DIMMs, 60ns)	241773-B21
256-MB EDO Memory Kit (4 x 64-MB buffered EDO DIMMs, 60ns)	241772-B21
128-MB EDO Memory Kit (4 x 32-MB buffered EDO DIMMs, 60ns)	241771-B21

Note: Fast Page Mode memory DIMMs are not supported. Mixing of 50ns and 60ns memory is permitted; however, each bank of 4 DIMMs must contain the same size and speed DIMMs. Performance will default to the slower of the two speeds (that is, 60ns).

Processors

ProLiant 6000, ProLiant 6500, and ProLiant 7000 upgraded servers will support 4-way Pentium II Xeon processor configurations. Pentium II Xeon processors are not included in the Pentium II Xeon Server Upgrade kits, and must be ordered separately. Visit the Compaq web site for a complete list of supported Pentium II Xeon processor option kits for the Compaq ProLiant 6000, ProLiant 6500, and ProLiant 7000 servers.

Technical Specifications

System Unit

Dimensions (HxWxD)	12 x 19 x 24.5 in/30.5 x 48.3 x 62.2 cm	
Weight	95 lbs/43.1 kg	
No hard drives installed, two power supplies		
Input Requirements (per power supply)		
Rated Input Voltage	100 to 120 VAC/200 to 240 VAC	
Rated Input Frequency	50 to 60 Hz	
Input Power	780W @ 110 VAC/1100W @ 220 VAC	
Rated Input Current	8A	
BTU Rating	2594 (110V); 3754 (240V)	
SCSI Connectors	1 External SCSI Connector Knockout	
Power Supply Output Power (per power supply)		
Rated Steady-State Power	500W/750W (lowline/highline)	
Maximum Peak Power	540W/780W (lowline/highline)	
Temperature Range		
Operating	50° to 95°F/10° to 35°C	
Non-operating	-20 to 140°F/-30° to 60°C	
Shipping	-22° to 122°F/-30° to 50°C	
Relative Humidity (non-condensing)		
Operating	20% to 80%	
Non-operating	5% to 90%	
Maximum Wet Bulb Temperature	101.7°F/38.7°C	
Acoustic Noise	L_{WA} (BELS)	L_{pAm} (dBA)
Idle (Fixed Disk Drives Spinning)	7.0	52
Operating (Random Seeks to Fixed Disks)	7.0	52

Power Supply

750/500W, Hot Plug Redundant (2 standard)	Two Redundant Power Supplies (optimized to 220 volts)	
Input Specifications		
Normal Line Voltage	100 to 120 VAC/200 to 240 VAC	
Range Input Line	90 to 132 VAC/180 to 270 VAC	
Frequency Range	47 to 63 Hz	
Power Factor	0.95	
Input Current	10 A at 100 VAC/6 A at 200 VAC	
Inrush Current	< 150 A at 132 VAC (cold start)	
Holdup Time	20 ms from zero crossing at 120 VAC	
General Specifications		
Full Output Rating	To 104°F/ 40°C and 5,000 ft/1,524 m to 0°F/32°C and 10,000 ft (derate linearly)/3,048 m	
Minimum Load	1 A on + 5 V output; 1 A on + 12 V output; 0.5 A on + 3.3 V output	
Ambient Temperature Range		
Operating	50° to 104°F/10° to 40°C	
Storage	-40° to 149°F/-40° to 65°C	
Dielectric Voltage Withstand		
Input to Output	3000 VAC/min	
Input to Ground	1500 VAC/min	
Input Transient Susceptibility		
Common and Differential Mode (superimposed on AC line)	2500 V, 1µs, damped sinusoid 600 V, 10 µs pulse	
Differential Mode	20% step change in AC input voltage	

QUICK SPECS

Compaq ProLiant 6500
Pentium III Xeon Models

Technical Specifications

1.44-MB Diskette Drive

Size	3.5 in
LED Indicators (front panel)	Green
Read/Write Capacity per Diskette (high/low density)	1.44 MB/720 KB
Drive Supported	One
Drive Height	One-third, 1 in
Drive Rotation	300 rpm
Transfer Rate Synchronous (Maximum) (high/low)	500 K/250 K bits/s
Bytes/Sector	512
Sectors/Track (high/low)	18/9
Tracks/Side (high/low)	80/80
Access Times	
Track-to-Track (high/low)	3/6 ms
Average (high/low)	169/94 ms
Settling Time	16 ms
Latency Average	100 ms
Cylinders (high/low)	80/80
Read/Write Heads	Two

Hot Plug Wide Ultra3 SCSI Hard Drives

18.2 GB 10K	Capacity	18209.3 MB	Seek Time (typical reads, including settling)	
	Height	1 in/25.4 mm	Single Track	0.8 ms
	Width	3.5 in/88.9 mm	Average	5.2 ms
	Interface	Wide Ultra3 SCSI	Full-Stroke	12 ms
	Transfer Rate		Rotational Speed	10,000 rpm
	Synchronous (Maximum)	160 MB/s	Physical Configuration	
			Bytes/Sector	512
			Logical Blocks	35,566,080
			Operating Temperature 50° to 95°F/10° to 35°C	
9.1 GB 10K	Capacity	9100.0 MB	Seek Time (typical reads, including settling)	
	Height	1 in/25.4 mm	Single Track	0.8 ms
	Width	3.5 in/88.9 mm	Average	5.0 ms
	Interface	Wide Ultra3 SCSI	Full-Stroke	12 ms
	Transfer Rate		Rotational Speed	10,000 rpm
	Synchronous (Maximum)	160 MB/s	Physical Configuration	
			Bytes/Sector	512
			Logical Blocks	17,773,524
			Operating Temperature 50° to 95°F/10° to 35°C	

QUICK SPECS

Compaq ProLiant 6500
Pentium III Xeon Models

Technical Specifications

Hot Plug
Wide Ultra2 SCSI
Hard Drives

18.2 GB 10K	Capacity	18209.3 MB	Seek Time (typical reads, including settling)	
	Height	1 in/25.4 mm	Single Track	0.8 ms
	Width	3.5 in/88.9 mm	Average	5.7 ms
	Interface	Wide Ultra2 SCSI	Full-Stroke	12.2 ms
	Transfer Rate		Rotational Speed	10,000 rpm
	Synchronous (Maximum)	80 MB/s	Physical Configuration	
			Bytes/Sector	512
			Logical Blocks	35,566,080
			Operating Temperature 50° to 95°F/10° to 35°C	
	18.2 GB	Capacity	18209.3 MB	Seek Time (typical reads, including settling)
Height		1 in/25.4 mm	Single Track	0.8 ms
Width		3.5 in/88.9 mm	Average	6.9 ms
Interface		Wide Ultra2 SCSI	Full-Stroke	15.0 ms
Transfer Rate			Rotational Speed	7200 rpm
Synchronous (Maximum)		80 MB/s	Physical Configuration	
			Bytes/Sector	512
			Logical Blocks	35,566,080
			Operating Temperature 50° to 95°F/10° to 35°C	
9.1 GB 10K		Capacity	9100.0 MB	Seek Time (typical reads, including settling)
	Height	1 in/25.4 mm	Single Track	0.8 ms
	Width	3.5 in/88.9 mm	Average	5.4 ms
	Interface	Wide Ultra2 SCSI	Full-Stroke	12.2 ms
	Transfer Rate		Rotational Speed	10,000 rpm
	Synchronous (Maximum)	80 MB/s	Physical Configuration	
			Bytes/Sector	512
			Logical Blocks	17,773,524
			Operating Temperature 50° to 95°F/10° to 35°C	
	9.1 GB	Capacity	9100.0 MB	Seek Time (typical reads, including settling)
Height		1 in/25.4 mm	Single Track	0.8 ms
Width		3.5 in/88.9 mm	Average	7.9 ms
Interface		Wide Ultra2 SCSI	Full-Stroke	17.0 ms
Transfer Rate			Rotational Speed	7200 rpm
Synchronous (Maximum)		80 MB/s	Physical Configuration	
			Bytes/Sector	512
			Logical Blocks	17,773,524
			Operating Temperature 50° to 95°F/10° to 35°C	

QUICK SPECS

Compaq ProLiant 6500
Pentium III Xeon Models

Technical Specifications

Hot Plug
Wide-Ultra SCSI-3
Hard Drives

36.4 GB 10K	Capacity	36419.5 MB	Seek Time (typical reads, including settling)	
	Height	1.6 in/40.6 mm	Single Track	0.8 ms
	Width	3.5 in/88.9 mm	Average	5.7 ms
	Interface	Wide-Ultra SCSI-3	Full-Stroke	12.2 ms
	Transfer Rate		Rotational Speed	10,000 rpm
	Synchronous (Maximum)	40 MB/s	Physical Configuration	
			Bytes/Sector	512
			Logical Blocks	35,566,000
			Operating Temperature 50° to 95°F/10° to 35°C	
	36.4 GB 10K	Capacity	36419.5 MB	Seek Time (typical reads, including settling)
Height		1.6 in/40.6 mm	Single Track	0.8 ms
Width		3.5 in/88.9 mm	Average	7.4 ms
Interface		Wide-Ultra SCSI-3	Full-Stroke	17.0 ms
Transfer Rate			Rotational Speed	7200 rpm
Synchronous (Maximum)		40 MB/s	Physical Configuration	
			Bytes/Sector	512
			Logical Blocks	71,132,000
			Operating Temperature 50° to 95°F/10° to 35°C	
18.2 GB 10K		Capacity	18209.8 MB	Seek Time (typical reads, including settling)
	Height	1 in/25.4 mm	Single Track	0.8 ms
	Width	3.5 in/88.9 mm	Average	5.7 ms
	Interface	Wide-Ultra SCSI-3	Full-Stroke	12.2 ms
	Transfer Rate		Rotational Speed	10,000 rpm
	Synchronous (Maximum)	40 MB/s	Physical Configuration	
			Bytes/Sector	512
			Logical Blocks	35,566,000
			Operating Temperature 50° to 95°F/10° to 35°C	
	18.2 GB	Capacity	18209.8 MB	Seek Time (typical reads, including settling)
Height		1 in/25.4 mm	Single Track	0.8 ms
Width		3.5 in/88.9 mm	Average	6.9 ms
Interface		Wide-Ultra SCSI-3	Full-Stroke	16.0 ms
Transfer Rate			Rotational Speed	7200 rpm
Synchronous (Maximum)		40 MB/s	Physical Configuration	
			Bytes/Sector	512
			Logical Blocks	35,566,000
			Operating Temperature 50° to 95°F/10° to 35°C	

QUICK SPECS

Compaq ProLiant 6500
Pentium III Xeon Models

Technical Specifications

Hot Plug
Wide-Ultra SCSI-3
Hard Drives
(continued)

9.1 GB 10K	Capacity	9100.0 MB	Seek Time (typical reads, including settling)	
	Height	1 in/25.4 mm	Single Track	0.8 ms
	Width	3.5 in/88.9 mm	Average	5.4 ms
	Interface	Wide-Ultra SCSI-3	Full-Stroke	12.2 ms
	Transfer Rate		Rotational Speed	10,000 rpm
	Synchronous (Maximum)	40 MB/s	Physical Configuration	
			Bytes/Sector	512
			Logical Blocks	17,773,500
			Operating Temperature 50° to 95°F/10° to 35°C	
	9.1 GB	Capacity	9100.0 MB	Seek Time (typical reads, including settling)
Height		1 in/25.4 mm	Single Track	0.8 ms
Width		3.5 in/88.9 mm	Average	7.9 ms
Interface		Wide-Ultra SCSI-3	Full-Stroke	17.0 ms
Transfer Rate			Rotational Speed	7200 rpm
Synchronous (Maximum)		40 MB/s	Physical Configuration	
			Bytes/Sector	512
			Logical Blocks	17,773,500
			Operating Temperature 50° to 95°F/10° to 35°C	

Technical Specifications

32X Max IDE CD-ROM Drive

Disk	
Applicable Disk	CD-ROM Modes 1 and 2 Mixed Mode (Audio and Data combined) CD-DA Photo CD (Single and Multi-session), CD-XA Ready CDi Ready
Capacity	540 MB (Mode 1, 12 cm) 650 MB (Mode 2, 12 cm)
Block Size	
Mode 1	2,048 bytes
Mode 2	2,340, 2,336 bytes
CD-DA	2,352 bytes
CD-XA	2,328 bytes
Dimensions	1.88 x 5.85 x 8.11 in/42.9 x 150.1 x 208 mm
Weight	2.09 lbs/0.95 kg
Data Transfer Rate	
Sustained	150 KB/s (sustained 1X)
Variable	1500 to 4800 KB/s (10X to 32X)
Access Times (typical)	
Full-Stroke	< 85 ms
Random	< 150 ms
Diameter	4.7 in, 3.15 in/12 cm, 8 cm
Thickness	0.05 in/1.2 mm
Track pitch	1.6 μ m
Cache/Buffer	128 KB
Start-up Time	< 7 s
Stop Time	< 4 s (single); < 30 s (multi-session)
Laser Parameters	
Type	Semiconductor Laser GaAlAs
Wave Length	700/25 nm
Divergence Angle	53.5°/1.5°
Output Power	0.14mW
Operating Conditions	
Temperature	41° to 118°F/5° to 45°C
Humidity	10% to 80%

Technical Specifications

24X Max IDE CD-ROM Drive

Disk	
Applicable Disk	CD-ROM (Mode 1 and 2), CD-DA, CD-XA (Mode 2, Form 1 and 2), Photo CD (Single and Multi-session), Mixed Mode (Audio and Data combined)
Capacity	550 MB (Mode 1, 12 cm), 640 MB (Mode 2, 12 cm)
Block Size	2,048, 1,024 bytes (Mode 1), 2,340, 2,336, 1,024 bytes (Mode 2), 2,352 bytes (CD-DA), 2,328 bytes (CD-XA)
Diameter	4.7 in, 3.15 in/12 cm, 8 cm
Rotational Speed	4200 rpm maximum
Center Hole	0.6 in/15 mm diameter
Thickness	1.2 mm
Track Pitch	1.6 μ m
Interface	IDE (ATAPI)
Access Times (typical)	
Random	100 ms
Full-Stroke	200 ms
Audio Output Level	
Line-Out	0.7 VRMS at 47 kOhms
Headphone	0.6 VRMS at 32 Ohms (maximum volume)
Data Transfer Rate	
Sustained	150 KB/s (single) (sustained 1x)
Burst	1200 to 3600 KB/s (8x to 24x)
Cache Buffer	128 KB
Start-up Time (typical)	< 7 seconds
Stop Time	< 4 seconds
Laser Parameters	
Type	Semiconductor Laser GaAlAs
Wave Length	780 \pm 25 nm
Divergence Angle	53.5 $^{\circ}$ \pm 1.5 $^{\circ}$
Output Power	0.14 mW
Operating Conditions	
Temperature	41 $^{\circ}$ to 113 $^{\circ}$ F/5 $^{\circ}$ to 45 $^{\circ}$ C
Humidity	10% to 80%
Dimensions	
(HxWxD, maximum)	1.69 x 5.75 x 8.19 in/4.29 x 15 x 20.8 cm
Weight	2.66 lbs/1.2 kg

Technical Specifications

Smart Array 431 Controller

Data Compatible with all Smart Array Controllers	Yes
Instant Upgrades to other Smart Array Controllers	Yes
Consistent Software Manageability Tools	Yes
PCI Bus	64-bit, 66MHz
PCI Peak Data Transfer Rate	533 MB/s
SCSI Protocols Supported	Ultra3, Ultra2, Wide-Ultra
SCSI Peak Data Transfer Rate	160 MB/s
Channels	1
SCSI Ports (external/internal)	1/1
Drives Supported (maximum)	14
Note: Drives Supported (maximum) is based on use of Compaq StorageWorks Enclosure 4200 family (14 hard disk drive enclosure).	
Cache	16-MB cache engine
RAID Support	0, 1, 0+1 5
Logical Drives (maximum)	32
Online Configuration	Yes
Online Capacity Expansion	Yes
Logical Drive Capacity Extension	Yes
Online Stripe Size Migration	Yes
Online RAID Level Migration	Yes
Online Spare Support	Yes
Automatic Data Recovery	Yes
Drive Roaming	Yes
Redundant Controllers	No

Smart Array 4200 Controller

Data Compatible with all Smart Array Controllers	Yes
Instant Upgrades to other Smart Array Controllers	Yes
Consistent Software Manageability Tools	Yes
PCI Bus	64-bit, 33 MHz
PCI Peak Data Transfer Rate	266 MB/s
SCSI Protocols Supported	Ultra2, Wide-Ultra
SCSI Peak Data Transfer Rate	320 MB/s total, 80 MB/s per channel
Channels	4
SCSI Ports (external/internal)	4/2
Drives Supported (maximum)	56
Note: Drives Supported (maximum) is based on use of Compaq StorageWorks Enclosure 4200 family (14 hard disk drive enclosure).	
Cache	64-MB battery backed read-write
RAID Support	0, 1, 0+1, 5
Logical Drives (maximum)	32
Online Configuration	Yes
Online Capacity Expansion	Yes
Logical Drive Capacity Extension	Yes
Online Stripe Size Migration	Yes
Online RAID Level Migration	Yes
Online Spare Support	Yes
Automatic Data Recovery	Yes
Drive Roaming	Yes
Redundant Controllers	No

Technical Specifications

Smart Array 3200 Controller

Data Compatible with all Smart Array Controllers	Yes
Instant Upgrades to other Smart Array Controllers	Yes
Consistent Software Manageability Tools	Yes
PCI Bus	32-bit, 33 MHz
PCI Peak Data Transfer Rate	133 MB/s
SCSI Protocols Supported	Ultra2, Wide-Ultra
SCSI Peak Data Transfer Rate	160 MB/s total, 80 MB/s per channel
Channels	2
SCSI Ports (external/internal)	2/2
Drives Supported (maximum)	28
Note: Drives Supported (maximum) is based on use of Compaq StorageWorks Enclosure 4200 family (14 hard disk drive enclosure).	
Cache	64-MB battery backed read-write
RAID Support	0, 1, 0+1, 4, 5
Logical Drives (maximum)	32
Online Configuration	Yes
Online Capacity Expansion	Yes
Logical Drive Capacity Extension	Yes
Online Stripe Size Migration	Yes
Online RAID Level Migration	Yes
Online Spare Support	Yes
Automatic Data Recovery	Yes
Drive Roaming	Yes
Redundant Controllers	No

Smart Array 221 Controller

Drives Supported	Up to 14 drives
Data Transfer Method	32-bit PCI bus-master
Maximum Transfer Rate per PCI Bus (peak)	133 MB/s
Simultaneous Drive Transfer Channels	One
Total Transfer Rate	80 MB/s per channel
Software Upgradable Firmware	Yes
Cache	6-MB of ECC protected read cache
Reliability Features	
Distributed Data Guarding (RAID 5)	Yes
Drive Mirroring (RAID 1)	Yes
Drive Stripping (RAID 0, 0 + 1)	Yes
Automatic Data Recovery	Yes

QUICK SPECS

Compaq *ProLiant* 6500
Pentium III Xeon Models

Technical Specifications

64-bit/66-MHz Single Channel Wide Ultra3 SCSI Adapter

Drives Supported	Up to 14 SCSI devices
Storage Capacity	254.8 GB
Data Transfer Method	64-bit/66-MHz PCI bus-master
Maximum SCSI Channel Transfer Rate	160 MB/s per channel
Maximum Transfer Rate per PCI Bus (peak)	532 MB/s per channel
SCSI Protocols	Wide Ultra3 SCSI Wide Ultra2 SCSI Wide-Ultra SCSI-3 Fast-Wide SCSI-2 Fast SCSI-2
Electrical Protocol	Low Voltage Differential (LVD)
SCSI Termination	Active Termination
External SCSI Connectors	One 68-pin Wide-Ultra SCSI-3 connector
Internal SCSI Connectors	Two 68-pin Wide-Ultra SCSI-3 connectors (one LVD and one SE) One 50-pin Narrow Ultra connector

64-bit/66-MHz Dual Channel Wide Ultra3 SCSI Adapter

Drives Supported	Up to 28 SCSI devices (14 per channel)
Storage Capacity	1.019 TB
Data Transfer Method	64-bit/66-MHz PCI bus-master
Maximum SCSI Channel Transfer Rate	160 MB/s per channel
Maximum Transfer Rate per PCI Bus (peak)	532 MB/s per channel
SCSI Protocols	Wide Ultra3 SCSI Wide Ultra2 SCSI Wide-Ultra SCSI-3 Fast SCSI-2
Electrical Protocol	Low Voltage Differential (LVD)
SCSI Termination	Active Termination
External SCSI Connectors	Two 68-pin VHDCI connectors
Internal SCSI Connectors	Two 68-pin Wide-Ultra SCSI-3 connectors One 50-pin Narrow Ultra connector

Compaq NC3131 Fast Ethernet NIC 64 PCI Dual Port 10/100

Network Interface	10Base-T/100Base-TX
Compatibility	IEEE 802.3/802.3u compliant
Data Transfer Method	32/64-bit bus-master PCI
Network Transfer Rate	10Base-T (Half-Duplex), 10Base-2 10 Mb/s 10Base-T (Full-Duplex) 20 Mb/s 100Base-TX (Half-Duplex) 100 Mb/s 100Base-TX (Full-Duplex) 200 Mb/s
Connector	Dual RJ-45
I/O Address and Interrupt	Automatic Configuration
Cable Support	10Base-T/100Base-TX Categories 3, 4 or 5 UTP (2 or 4 pair); up to 328 feet (100 meters) Category 5 UTP (2 pair); up to 328 feet (100 meters)
OS Driver Support	Novell NetWare Server v 3.11, 3.20, 4.x and 5.x, Microsoft Windows NT 3.51 and 4.0, Windows 95, Windows 98, OS/2 Warp Server, OpenServer 5.x, SCO UnixWare 2.1.x and 7.x

QUICK SPECS

Compaq ProLiant 6500
Pentium III Xeon Models

Technical Specifications

Integrated Dual-Channel Wide-Ultra SCSI-3 Adapter

Drives Supported	Up to 14 (7 per channel)
Data Transfer Method	32-bit PCI bus-master
SCSI Channel Transfer Rate	40 MB/s per channel
Maximum Transfer Rate	133 MB/s per channel
SCSI Termination	Active Termination

Wide-Ultra SCSI-3 Adapter

Drives Supported	Up to seven
Data Transfer Method	32-bit bus-master
SCSI Channel Transfer Rate	40 MB/s
Maximum Transfer Rate on PCI Bus	133 MB/s
SCSI Termination	Active termination
External SCSI Connector	68-Pin Fast-Wide SCSI-2
Internal SCSI Connector	50-Pin Fast-SCSI-2 68-Pin Fast-Wide SCSI-2

Compaq Rack 9142 (42U) (optional)

Dimensions	Total Cabinet	Shipping	Color
Height	78.7 in/2,000 mm	83.38 in/2,168.65 mm	Opal
Depth	35.8 in/909 mm	48 in/1219.2 mm	
Width	23.7 in/603 mm	32 in/812.8 mm	
Weight	253 lbs/114.84 kg	325 lbs/147.52 kg	

Compaq Rack 9136 (36U) (optional)

Dimensions	Total Cabinet	Shipping	Color
Height	68.6 in/1,742 mm	75.25 in/1,911.35 mm	Opal
Depth	35.8 in/909 mm	48 in/1219.2 mm	
Width	23.7 in/603 mm	32 in/812.8 mm	
Weight	165 lbs/75 kg	234 lbs/106 kg	

Compaq Rack 9122 (22U) (optional)

Dimensions	Total Cabinet	Shipping	Color
Height	43 in/1,092 mm	52.25 in/1,327.15 mm	Opal
Depth	35.8 in/909 mm	48 in/1219.2 mm	
Width	24 in/610 mm	32 in/812.8 mm	
Weight	176 lbs/79.89 kg	225 lbs/102.13 kg	

Compaq Rack 7142 (42U) (optional)

Dimensions	Total Cabinet	Usable Area	Shipping
Height	85 in/215.9 cm	73.5 in/186.69 cm	90.75 in/230.5 cm
Depth	33.25 in/84.45 cm	29.21 in/74.196 cm	48 in/121.92 cm
Width	23.25 in/59.05 cm	19 in/48.26 cm	32 in/81.28 cm
Weight	253 lbs/114.84 kg	—	325 lbs/147.52 kg

QUICKSPECS

Compaq ProLiant 6500
Pentium III Xeon Models

Technical Specifications

OS Driver Support

Operating Systems	Current Drivers	Driver Location (Punch-out diskettes only.)
Microsoft Windows NT Server 3.51	NTSSD 1.38a	SmartStart CD and www.compaq.com
Microsoft Windows NT Server 4.0	NTSSD 2.17a	SmartStart CD and www.compaq.com
Microsoft Windows NT Server, Enterprise Edition 4.0	NTSSD 2.17a	SmartStart CD and www.compaq.com
Microsoft Windows NT Server 4.0, Terminal Server Edition	NTSSD 2.17a	SmartStart CD and www.compaq.com
Microsoft Windows 2000 Server	Support Software Bundle for Windows 2000 5.02a	SmartStart CD and www.compaq.com
Novell NetWare 3.2	NSSD 5.50	SmartStart CD and www.compaq.com
Novell NetWare 4.11	NSSD 5.50	SmartStart CD and www.compaq.com
Novell NetWare 4.11 SMP	NSSD 5.50	SmartStart CD and www.compaq.com
Novell NetWare 4.2	NSSD 5.50	SmartStart CD and www.compaq.com
Novell NetWare 4.2 SMP	NSSD 5.50	SmartStart CD and www.compaq.com
Novell NetWare 5	NSSD 5.50	SmartStart CD and www.compaq.com
SCO OpenServer 5.0.2, 5.0.4, 5.0.5	EFS 5.34	SmartStart CD and www.compaq.com
SCO UnixWare 2.1.1, 2.1.2, 2.1.3	EFS 2.34	SmartStart CD and www.compaq.com
SCO UnixWare 7.0, 7.1	EFS 7.34	SmartStart CD and www.compaq.com
IBM OS/2 Warp 4	OS2SSD 4.40A NICSSD 1.55A	SmartStart CD and www.compaq.com
IBM OS/2 Warp Server4	OS2SSD 4.40A NICSSD 1.55A	SmartStart CD and www.compaq.com
IBM OS/2 Warp Server Advanced 4	OS2SSD 4.40A NICSSD 1.55A	SmartStart CD and www.compaq.com
IBM OS/2 Warp Server Advanced 4 SMP	OS2SSD 4.40A NICSSD 1.55A	SmartStart CD and www.compaq.com
Sun Solaris 8 Intel Platform Edition	Solaris Driver Update 1.10	www.compaq.com
Sun Solaris 7 Intel Platform Edition	Solaris Driver Update 1.10	www.compaq.com
Sun Solaris 2.6 Intel Platform Edition	Solaris Driver Update 1.10	www.compaq.com
<p>(Note: Not all storage controllers are supported under Solaris 2.6, 7, and 8. Please refer to the Supported Devices list on the Solaris Driver Update download page.</p> <p>Please see customer advisories for additional information on Solaris 8 installation.)</p>		
Banyan VINES 8.5 (Banyan drivers are not available for Intel-based server NICs.)	PAT 3.05 LAT 3.03	SmartStart CD and www.compaq.com