

QUICKSPECS

Compaq ProLiant 5500R

MODELS

ProLiant 5500R 6/200
512K (128 MB)
Model 1 Rack
285120-001

STANDARD FEATURES

Processors

200-MHz Intel Pentium® Pro processor

Form Factor

Rack (7U)

Upgradability

Chip upgradable to quad processing

Memory

128 MB of ECC EDO memory expandable to a maximum of 3 GB using industry-standard buffered DIMMs

Cache Memory

512-KB level 2 writeback cache per processor

Expansion Slots

Five PCI slots and three shared PCI/EISA slots (eight total slots, seven available)

Storage Controllers

Integrated Dual Channel Wide-Ultra SCSI-3 Controller

Network Controller

Netelligent 10/100 TX PCI UTP controller in a slot

Storage and Expansion

Four removable media bays: One 1.44-MB diskette drive (third height bay), one 16X Max¹ CD-ROM Drive IDE (occupies half-height bay) and two available half-height bays. Capacity for 6 x 1.6-inch, 7 x 1.0-inch (simplex mode) or 8 x 1-inch (duplex mode) hot-plug hard drives.

Maximum Storage

Internal: 127.4 GB (6 x 1.6-inch hot plug internal hard drives) using 18.2-GB hard drives; 2 x 9.1-GB hard drives installed in available removable media bays

External: 1.5 TB (12 ProLiant Storage Systems Model F1, each with 7 x 18.2-GB hard drives)

Total: 1.7 TB

Interfaces

Two serial ports, one parallel, external Fast-Wide SCSI-2, network (RJ-45), graphics

Graphics

Integrated 1024 x 768, 256-color noninterlaced 1-MB video memory

Power Supply

750 Watt Hot-Pluggable Power Supply (single 750 Watt supports a fully configured system), optional Hot Pluggable Redundant Power Supply (RPS)

Manageability

Compaq Insight Manager
Compaq Remote Insight Board (optional)
Automatic Server Recovery-2 (ASR-2)
Integrated Remote Console (IRC)

Hardware Remote Console

Full Remote Server Reboot Capability

Reset and Failure Sequence Replay

Host Hardware Independent

Operating System Independent

Integrated Management Display (IMD)

Server Health Logging

Revision History Table

Automatic Revision Tracking

Drive Parameter Tracking (with SMART-2 controller)

Dynamic Sector Repairing (with SMART-2 controller)

Recovery Server Option (optional)

Off-Line Backup Processor

Pre-Failure Warranty² (now covers Pentium Pro processors as well as hard drives and memory)

Redundant Fan Support (optional)

Security

MultiLock security features; power-on password; keyboard password; diskette drive control; diskette boot control; QuickLock, QuickBlank, Network Server Mode; parallel and serial interface control; administrator's password; disk configuration lock

Software

SmartStart, the server configuration and software integration tool from Compaq, is shipped standard with Compaq ProLiant servers. Both SmartStart and Compaq Insight Manager are included in the setup and management pack.

Service and Support

Compaq Services provides a wide range of service offerings including a three-year limited warranty² fully supported by a worldwide network of resellers and service providers; lifetime toll-free 7 x 24 hardware technical phone support; Pre-Failure Warranty coverage of hard drives, memory and Pentium Pro processor. Disaster recovery services are available through partnership with Comdisco.

STANDARD FEATURES (cont'd)**Cabling**

The following cables are included in standard shipping configuration:

68-pin 6" point-to-point cable—connects SCSI Port A to SCSI backplane board

22" 3 device cable with terminator—connects SCSI Port B to the removeable media bays

18" IDE cable—connects IDE controller to the IDE CD-ROM

Floppy drive cable MT 15"—single device floppy cable connects floppy to system I/O board

The following cables/options are shipped in the country kit:

Duplex Enabler Board—allows you to duplex up to 8 x 1.0" hard drives

68-pin 8" point-to-point cable—used with duplex enabler board

19" point-to-point wide cable—used when cabling controller to SCSI backplane board when in simplex mode

68-pin female adapter—used when attaching narrow devices

OPTIONS**Processor**

ProLiant 5500R 6/200 512K	306591-B21
Processor Kit	

Memory (DIMMs)

32-MB Memory Kit (2 x 16-MB buffered EDO DIMMs)	149023-B21
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64-MB Memory Kit (2 x 32-MB buffered EDO DIMMs)	149024-B21
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128-MB Memory Kit (2 x 64-MB buffered EDO DIMMs)	149025-B21
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256-MB Memory Kit (2 x 128-MB buffered EDO DIMMs)	149026-B21
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512-MB Memory Kit (2 x 256-MB buffered EDO DIMMs)	306541-B21
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Monitors

V55 Color	308007-001
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V75 Color	307710-001
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P50 Color	264200-001
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P75 Color	307806-001
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Hard Drives/CD-ROM Drives

2.1-GB Wide-Ultra SCSI-3 Hard Drive	242586-001
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2.1-GB Pluggable Wide-Ultra SCSI-3 Hard Drive	242583-001
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Hard Drives/CD-ROM Drives (cont'd)

4.3-GB Pluggable Wide-Ultra SCSI-3 10,000 rpm ³ Hard Drive	304859-B21
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4.3-GB Wide-Ultra SCSI-3 Hard Drive	242584-001
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4.3-GB Pluggable Wide-Ultra SCSI-3 Hard Drive	272577-001
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9.1-GB Pluggable Wide-Ultra SCSI-3 10,000 rpm ³ Hard Drive	304865-B21
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9.1-GB Wide-Ultra SCSI-3 Hard Drive (1.6")	199884-001
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9.1-GB Pluggable Wide-Ultra SCSI-3 Hard Drive (1.6")	199882-001
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9.1-GB Pluggable Wide-Ultra SCSI-3 Drive (1")	313706-B21
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18.2-GB Pluggable Wide-Ultra SCSI-3 Hard Drive	313756-B21
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1.44-Megabyte Diskette Drive (Third Height)	294164-B21
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Internal 24X Max ⁴ CD-ROM Drive	295545-B21
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Internal 8X CD-ROM Drive (IDE)	295888-001
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Storage Controllers

SMART-2DH Array Controller ⁵	295242-B21
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SMART-2SL Array Controller ⁵	242776-B21
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SMART-2/E Array Controller ⁵	194751-001
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Wide-Ultra SCSI-3 Controller ⁵	272514-001
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Dual Channel Wide-Ultra SCSI-3 Controller ^{5,6}	295554-B21
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Required Cabling

For required cabling information refer to Compaq website <http://www.compaq.com/product/servers/ProLiant5500R>

Cables/Cable Option Kit

External Standard-to-Wide SCSI-2 Cable (6') ⁷	189632-002
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External Standard-to-Wide SCSI-2 Cable (12')	189632-003
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Daisy Chain Cable ⁸	199712-001
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VHDCI 68-pin to standard 68-pin, 6' cable ⁶	295644-B21
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VHDCI 68-pin to standard 68-pin, 12' cable ⁶	295645-B21
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VHDCI 68-pin to standard 50-pin, 6' cable ⁶	295646-B21
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VHDCI 68-pin to standard 50-pin, 12' cable ⁶	295657-B21
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ProLiant 3000/5500 Cable Option Kit ⁹	306585-B21
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Wide-to-Narrow Adapter Option Kit	212055-001
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OPTIONS (cont'd)**External Storage**

Rack-Mountable ProLiant Storage System Model/F1	272800-001
Rack-Mountable ProLiant Storage System Model/F2	272800-002
Rack-Mountable ProLiant Storage System Model/U1	304100-B21
Rack-Mountable ProLiant Storage System Model/U2	304100-B22
Rack-Mountable SCSI Storage Expander	165620-001
Conversion Kit, SB to DB	272830-001
Conversion Kit, DB to SB	272826-001
CD-Storage System (rack)	306250-B21
ProLiant Storage System RPS /U or /F	224206-001

Server Recovery

Recovery Server Option	213817-001
Recovery Server Option/F	272829-001
Recovery Server Option/U	304117-B21

Tape Drives

2/4-GB DAT Drive	142019-001
4/8-GB DAT Drive	295353-B21
12/24-GB DAT Drive	295513-B21
Internal 35/70-GB DLT Drive	242520-B21
External 35/70-GB DLT Drive	242521-B21
Internal 15/30-GB DLT Drive	242456-001
External 15/30-GB DLT Drive	242457-001
Internal TurboDAT AutoLoader ¹⁰	142183-001
External TurboDAT AutoLoader	142187-001
DLT Tape Array Model 0	199860-001
DLT Tape Array II Model 3570-4 no software (US)	295165-001

DLT Libraries¹¹

DLT Library 15 Cartridge ¹² Model 1530-1	242403-B21
15/30 DLT Library Ready Drive	295166-B21
DLT Library Tabletop Conversion Kit ¹²	295162-B21
35/70 DLT Library Ready Drive	295557-B21
DLT Library 15 Cartridge ¹² Model 3570-1	295555-001
	295555-B31
DLT Library 15 Cartridge ¹² Model 3570-2	295555-002
	295555-B32

Communications

Serial/Parallel Interface Board	108406-002
Netelligent 100 FDDI PCI SAS Fiber-SC Controller	242505-001

Communications (cont'd)

Netelligent 100 FDDI PCI SAS Fiber-MIC Controller	287728-001
Netelligent 100 FDDI PCI DAS Fiber-SC Controller	242509-001
Netelligent 100 FDDI PCI SAS UTP Controller	242507-001
Netelligent 100 FDDI PCI DAS UTP Controller	242511-001
Netelligent 100 FDDI EISA SAS Fiber-MIC Controller	267413-001
Netelligent 100 FDDI EISA DAS Fiber-MIC Controller	267415-001
Netelligent 100 FDDI EISA SAS UTP Controller	267414-001
Netelligent 100 FDDI EISA DAS UTP Controller	267416-001
Netelligent Dual 10/100 TX PCI UTP	242559-001
NetFlex-3/P Controller	
100Base-TX Upgrade Module ¹³	169804-001
100VG-AnyLAN Upgrade Module ¹³	169802-001
100Base-FX Upgrade Module ¹³	267657-001
Netelligent 10/100 TX PCI UTP Controller	169845-001
Netelligent 10 T PCI UTP Controller	242500-001
Netelligent 10 T/2 PCI UTP/Coax Controller	292856-B21
Netelligent 16/4 TR PCI IBM UTP/STP Controller	301206-B21
Netelligent 4/16 TR PCI UTP/STP Controller	268009-001
Compaq 336 ISA Fax Modem	259213-002
Compaq Netelligent 56K ISA Fax Modem	294900-001

Uninterruptible Power Supply

Multi-Server UPS Card	242755-001
Scalable UPS Card	242756-001
Rack-Mountable UPS R3000 (100-127 VAC)	242705-001
Rack-Mountable UPS R3000h (200-230 VAC)	242705-002

Power Cords to Rack UPS

IEC to IEC AC Power Cord - 2 Meter	142257-001
IEC to IEC AC Power Cord - 2.5 Meter	142257-002
IEC to IEC AC Power Cord - 3 Meter	142257-003
12' 208V Power Cord	188482-002

OPTIONS (cont'd)**Racks**

Compaq Rack 7122 (22U)	163747-001
Compaq Rack 4136 (36U)	303656-001
Compaq Rack 7142 (42U)	165753-001

Rack Options

4-Port Keyboard/Monitor/Mouse Switch (All)	242694-001
8-Port Keyboard/Monitor/Mouse Switch (All)	242695-001
Rack sidewall Kit (42U only)	165652-001
Coupling Kit (42U only)	165664-001
Stabilizing Feet (42U only)	189907-001
Monitor/Utility Shelf	303606-B21
Rack Keyboard Drawer	303607-B21
Blanking Panels	169940-001
CPU to Switch Cable, 9'	165638-001
CPU to Switch Cable, 20'	165638-002
CPU to Switch Cable, 40'	165638-003
Switch Box Connector Kit	242691-001
Switch Box 1 x 16 Pairing Kit	242778-001
Keyboard/Mouse/Monitor extension cables	169989-001

Redundant Options

Redundant Fan Kit	306558-B21
Compaq Hot-Pluggable Redundant Power Supply	306592-B21

Other

Compaq Remote Insight Board	199748-001
Expedited Rack Delivery	184449-001
4-Cassette Magazine	199453-001
12-Cassette Magazine	137610-001
2.0-GB DAT Cassette	131107-002
4.0-GB DDS2 DAT Cassette	137611-001
15/30-GB DLT Drive Cartridge (single)	242465-001
15/30-GB DLT Drive Cartridge (7 pack)	242466-001
35/70-GB DLT Drive Cartridge (single)	295194-B21
35/70-GB DLT Drive Cartridge (7 pack)	295192-B21
DLT Cleaning Cartridge	199704-001

Other(cont'd)

DLT Magazine with five 15/30-GB DLT Tapes	242898-B21
DLT Magazine with five 35/70-GB DLT Tapes	295168-B21
12.0-GB DDS3 DAT Cassette (10 pack)	295515-B21
DAT 4mm Cleaning Cassette	242781-001

¹ Data transfer rate will vary from 150 KB/s to 2400 KB/s.² Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center at 1-800-345-1518 for details.³ For complete compatibility information, refer to the Compaq SCSI Hard Drive Compatibility table located at <http://www.compaq.com/products/servers/storage>. Using hard drives in unsupported configurations will result in voiding of the warranty and could result in damage to the drive and/or loss of data.⁴ Data transfer rate will vary from 150 KB/s to 3600 KB/s.⁵ Need to order ProLiant 3000/5500 Cable Option Kit (306585-B21) when connecting more than one SCSI channel internally on these controllers.⁶ Required to connect external VHDCI 50 or 68 pin device.⁷ External Standard-to-Wide SCSI-2 Cable (60) needed when connecting external Autoloader to Fast-Wide SCSI-2 or Wide-Ultra SCSI-3 Controller.⁸ External Daisy Chain Cables needed only when connecting two older external drives.⁹ This cable option kit contains the following cables:

199606-007 19" point-to-point wide cables (2) used when cabling RAID or SCSI controllers to the SCSI backplane board

199616-012 32" 3 device wide cable used when cabling SCSI-3 controller to a removable media bay

189646-005 8.75" external loop back cable used when attaching a SMART-2 controller via the external port in duplex mode

¹⁰ Rack Door will not close if installed into cpu or rackmount SCSI Storage Expander.¹¹ Anticipated performance of the DLT Library should be verified by using the Compaq Backup Configuration Tool, downloadable from the Compaq website at <http://www.compaq.com/products/servers/storage/cheyennetool.html>, and with the DLT Library Performance Whitepaper ECG046/0298.¹² The DLT 15 Cartridge Library Model 1530-1 (Part #242403-B21) or Model 3570 (Part #295555-001/002/B32/291) can be mounted in a Compaq rack. To use any model of the library on a tabletop, the customer would purchase one of the Library Models listed above and would also order the Tabletop Conversion Kit (Part #295162-B21) to provide metal top and side covers. Refer to the Compaq DLT Libraries QuickSpec for details.

DLT Library Model 1530-1 (3570-1/-2) includes one 15/30 DLT data cartridge (one 35/70 DLT data cartridge) and three empty 5-cartridge magazines. WW 242403-B21 (1530-1 drive) includes U.S. power cord US 295555-001/-002 (1 drive/2 drive) includes U.S. power cord, Int'l -B31/B32 (1 drive/2 drive) CTO power cord for country ordering the unit.

¹³ For use with NetFlex-3 controller only.