

# QUICKSPECS

Compaq ProLiant 2500R

## MODELS

ProLiant 2500R 6/200  
512K H  
Model 1  
307560-001

## STANDARD FEATURES

### Processor

200-MHz Intel Pentium® Pro processor with dual processor capability 512K cache

### Upgradability

Chip upgradable to dual processing

### Memory

32 MB of ECC memory expandable to a maximum of 1 GB using industry-standard buffered EDO DIMMs

### Cache Memory

512-KB high-speed 4-way set associative cache

### Expansion Slots

Two PCI slots and four shared PCI/EISA slots (six total slots) on two PCI buses

### Network Controller

Netelligent 10/100 TX UTP Controller (embedded)

### Storage Controllers

Integrated Wide-Ultra SCSI-3 controller (40 MB/s)

### Storage and Expansion

Four removable media bays: 1.44-MB diskette drive, one Internal IDE CD-ROM drive and two 5.25-inch removable media bays

### Maximum Storage

Internal: 63.7 GB

External: 1.15 TB

(7 x 18.2 GB) x 9= 1.15 TB

### Interfaces

Internal and external Wide-Ultra SCSI-3, network (RJ-45 and AUD), parallel, two serial, graphics, keyboard, mouse

### Graphics

Integrated 1024 x 768, 256-color non-interlaced

### Standard Drive Cage Configurations

Hot-Plug Drive Cage supports five 1.0-inch hard drives (4.3-GB, 9.1-GB drives) or two 1.6-inch hard drives (9.1-GB, 18.2-GB drives) and one 1-inch drive (4.3-GB, 9.1-GB drive)

Duplex Hot-Plug Drive Cage supports four 1-inch or two 1.6-inch hard drives

### Diskette Drive and CD-ROM Drive

1.44-MB diskette drive and Internal IDE CD-ROM Drive.

### Hard Drives

Optional

### Manageability

Compaq Insight Manager  
Compaq Remote Insight Board (optional)  
Automatic Server Recovery-2 (ASR-2)  
Integrated Remote Console (IRC)  
Integrated Management Display (IMD)  
Server Health Logging  
Revision History Table  
Automatic Revision Tracking  
Drive Parameter Tracking and Dynamic Sector Repairing (with SMART-2 controller)  
Recovery Server Option (optional)  
Off-Line Backup Processor  
Pre-Failure Warranty (now covers Pentium Pro processors as well as hard drives and memory)

### Security

MultiLock security features; power-on password; keyboard password; diskette drive control; diskette boot control; network server mode; security provision; 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.

### Power Supply

325 watts - CE Mark Compliant  
Hot Pluggable Redundant Power Supply

### Service and Support

Compaq Services provides a wide range of service offerings including a three-year limited warranty<sup>1</sup> 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.

**OPTIONS****Processor**

Pentium Pro 200/512K Kit	300906-001
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**Memory**

32-MB Memory Expansion Kit (1 x 32-MB buffered EDO DIMM)	271907-001
64-MB Memory Expansion Kit (1 x 64-MB buffered EDO DIMM)	271908-001
128-MB Memory Expansion Kit (1 x 128-MB buffered EDO DIMM)	271909-001
256-MB Memory Expansion Kit (1 x 256-MB buffered EDO DIMM)	271910-001

**Monitors**

ProLiant 2500 Intergrated Management Display	264377-B21
V55 Color Monitor	308007-001
V75 Color Monitor	308006-001
P50 Color Monitor	264200-001
P75 Color Monitor	307806-001

**Hard Drives/CD-ROM  
Drives/Diskette Drive**

2.1-GB Pluggable Wide-Ultra SCSI-3 Drive	242583-001
4.3-GB Pluggable Wide-Ultra SCSI-3 10,000 rpm <sup>2</sup> Drive	304859-B21
4.3-GB Pluggable Wide-Ultra SCSI-3 Drive	272577-001
9.1-GB Pluggable Wide-Ultra SCSI-3 Drive (1.6")	199882-001
9.1-GB Pluggable Wide-Ultra SCSI Drive (1")	313706-B21
9.1-GB Pluggable Wide-Ultra SCSI-3 10,000 rpm <sup>2</sup> Drive	304865-B21
18.2-GB Pluggable Wide-Ultra SCSI-3 Drive	313756-B21
Internal 24X Max <sup>3</sup> CD-ROM	295545-B21
8X CD-ROM Drive IDE	295888-001

**Tape Drives**

1.44-Megabyte Diskette Drive (Third Height)	294164-B21
2/4-GB DAT Drive	142019-001
4/8-GB DAT Drive	295353-B21
4/8-GB SLR Drive	295480-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	142183-001
External TurboDAT AutoLoader	142187-001

**DLT Libraries<sup>4</sup>**

DLT Library 15 Cartridge <sup>5</sup> Model 1530-1	242403-B21
15/30 DLT Library Ready Drive	295166-B21
DLT Library Tabletop Conversion Kit <sup>5</sup>	295162-B21
35/70 DLT Library Ready Drive	295557-B21
DLT Library 15 Cartridge <sup>5,6</sup> Model 3570-1	295555-001
DLT Library 15 Cartridge <sup>5,6</sup> Model 3570-2	295555-B31
DLT Library Magazine with 5 1530-GB Tapes	295555-002
DLT Library Magazine with 5 3570-GB Tapes	295555-B32
	242898-B21
	295168-B21

**Storage Controllers**

SMART-2SL Array	242776-B21
SMART-2DH Array	295242-B21
Wide-Ultra SCSI-3	272514-001
Dual Channel Wide-Ultra SCSI-3 <sup>6</sup>	295554-B21
SMART-2/P Array	194753-001

**Drive Cages**

ProLiant 2500 Hot Plug Cage Duplexing	264368-001
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**Required Cabling**

For required cabling information refer to Compaq website <http://www.compaq.com/products/servers/proliant2500r>

**Server Recovery**

Recovery Server Option/F	272829-001
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**External Storage**

Rack-Mountable SCSI Storage Expander	165620-001
Rack-Mountable ProLiant Storage System Model/F1 (for use with pluggable hard drives)	272800-001
Rack-Mountable ProLiant Storage System Model/F2 (for use with pluggable hard drives)	272800-002
Rack-Mountable ProLiant Storage System, Model/U1	304100-B21
Rack-Mountable ProLiant Storage System, Model/U2	304100-B22
CD-Storage System (rack)	306250-B21

**OPTIONS** (cont'd)**Racks**

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

**Rack Options**

Rack Internal Trackball Keyboard	185152-001
Rack External Keyboard	187344-001
Monitor/Utility Shelf Kit	303606-B21
Keyboard Drawer	303607-B21
Keyboard/Monitor/Mouse Switch Box (4-Port)/1U	242694-001
Keyboard/Monitor/Mouse Switch Box (8-Port)/1U	242695-001
CPU to Switch Cable, 9'	165638-001
CPU to Switch Cable, 20'	165638-002
CPU to Switch Cable, 40'	165638-003
Keyboard/Monitor/Mouse Extension Cables	169989-001
Switch Box Connector Kit /1U	242691-001
Rack Blanking Panel Kit (15U)	169940-001
Rack Coupling Kit (for 42U Rack)	165664-001
Rack Sidewall Kit (for 42U Rack)	165652-001
Rack Stabilizing Feet (one kit needed for stand-alone 42U Rack)	189907-001
Rack Coupling Kit (for 36U Rack)	303657-B21
Rack Sidewall Kit (for 36U Rack)	303658-B21
Rack Stabilizing Feet (one kit needed for stand-alone 36U Rack)	303659-B21
Netelligent Cable Management Kit	292407-B21
Netelligent Recessed Rail Management Kit	292406-B21

**Communications**

Serial/Parallel Interface Board	108406-002
Netelligent 100 FDDI PCI SAS Fiber-SC Controller	242505-001
Netelligent 100 FDDI PCI SAS Fiber-MIC Controller	287728-001
Netelligent 100 FDDI PCI DAS UTP Controller	242507-001
Netelligent 100 FDDI PCI DAS UTP Controller	242511-001
Netelligent 100 FDDI PCI DAS Fiber-SC Controller	242509-001
Netelligent 100 FDDI EISA SAS Fiber-MIC Controller	267413-001
Netelligent 100 FDDI EISA DAS Fiber-MIC Controller	267415-001
Netelligent FDDI EISA SAS UTP Controller	267414-001
Netelligent FDDI EISA DAS UTP Controller	267416-001

**Communications** (cont'd)

NetFlex-3/P Controller	
100Base-TX UTP Module <sup>7</sup>	169804-001
100VG-AnyLAN UTP Module <sup>7</sup>	169802-001
100Base-FX Module <sup>7</sup>	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
Netelligent Dual 10/100 TX PCI UTP	242559-001
AUI to BNC Transceiver	192732-001
Compaq 336 ISA Fax Modem	259213-002
Compaq Netelligent 56K ISA Fax Modem	294900-001

**Uninterruptible Power Supply**

Rack-Mountable UPS Model R3000	242705-001
Rack-Mountable UPS Model R1500	242704-001

**Other**

Compaq Remote Insight Board	199748-001
Integrated Management Display	264377-B21
ProLiant 2500 Rack Mounting Hardware Kit	264367-001
ProLiant 2500 Redundant Power Supply	264369-001
Compaq Tower to Rack Conversion Kit	149068-B21
ProLiant 2500 Optional Cable Kit <sup>8</sup>	300909-001

<sup>1</sup> Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center at 1-800-345-1518 for details.

<sup>2</sup> For complete compatibility information, refer to the Compaq SCSI Hard Drive Compatibility table located at <http://www.compaq.com/products/servers/storage/storage/index-drives.html>. 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.

<sup>3</sup> Data transfer rate will vary from 150 KB/s to 3600 KB/s.

<sup>4</sup> 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 ECC046/0298.

<sup>5</sup> 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.

<sup>6</sup> VHDCI cable required to add external 50 or 68 pin devices.

<sup>7</sup> For NetFlex-3 controller only.

<sup>8</sup> Ships standard with ProLiant 2500 (serial #703 or higher).