

# QUICKSPECS

Compaq ProLiant 3000R

## MODELS

**ProLiant 3000R 6/300  
512K (64 MB)**  
Model 1 Rack  
285151-001

**ProLiant 3000R 6/333  
512K (64 MB)**  
Model 1 Rack  
179750-001

## STANDARD FEATURES

### Processors

300-MHz Intel Pentium® II processor  
333-MHz Intel Pentium II processor

### Form Factor

Rack (7U)

### Upgradability

Module upgradable to dual processing

### Memory

64 MB of ECC EDO memory; ProLiant 3000R 6/300 is expandable to a maximum of 512 MB and ProLiant 3000R 6/333 is 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 (uses one PCI slot)

### Storage and Expansion

Four removable media bays: One 1.44-MB diskette drive (third height bay), one 16X Max<sup>1</sup> 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 1.0-inch (duplex mode) hot-plug hard drives.

### Maximum Storage

Internal: 109.2 GB (6 x 1.6-inch hot plug internal hard drives) using 18.2-GB hard drives

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, keyboard, pointing devices (mouse), external Wide-Ultra SCSI-3, network (RJ-45), graphics

### Graphics

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

### Power Supply

500/750 Watt Hot-Pluggable Power Supply (single 500/750 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 Warranty<sup>2</sup> (now covers Pentium Pro and Pentium II processors as well as hard drives and memory)  
Redundant Fan Support (optional)

### Security

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 warranty<sup>2</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 processor. Disaster recovery services are available through partnership with Comdisco.

**OPTIONS****Processor**

ProLiant 3000R 6/300 512K Processor Module	306589-B21
ProLiant 3000 6/333 512K Upgrade Kit	333555-B21

**Memory (DIMMs)**

32-MB Memory Kit (2 x 16-MB buffered EDO DIMMs)	149023-B21
64-MB Memory Kit (2 x 32-MB buffered EDO DIMMs)	149024-B21
128-MB Memory Kit (2 x 64-MB buffered EDO DIMMs)	149025-B21
256-MB Memory Kit (2 x 128-MB buffered EDO DIMMs)	149026-B21
512-MB Memory Kit <sup>3</sup> (2 x 256-MB buffered EDO DIMMs)	306541-B21

**Monitors**

V55 Color	308007-001
V75 Color	307710-001
P50 Color	264200-001
P75 Color	307806-001

**Hard Drives/CD-ROM Drives****Non-Hot Plug Hard Drives**

2.1-GB Wide-Ultra SCSI-3	242586-001
4.3-GB Wide-Ultra SCSI-3	339506-B21
9.1-GB Wide-Ultra SCSI-3 (1.6")	339509-B21

**Hot Plug Hard Drives**

4.3-GB Pluggable Wide-Ultra SCSI-3 Hard Drive	272577-001
4.3-GB Pluggable Wide-Ultra SCSI-3 10,000 rpm <sup>4</sup> Hard Drive	304859-B21
9.1-GB Pluggable Wide-Ultra SCSI-3 10,000 rpm <sup>4</sup> Hard Drive	304865-B21
9.1-GB Pluggable Wide-Ultra SCSI-3 Hard Drive (1")	313706-B21
9.1-GB Pluggable Wide-Ultra SCSI-3 Hard Drive (1.6")	199882-001
18.2-GB Pluggable Wide-Ultra SCSI-3 Hard Drive	313756-B21
16X Max <sup>1</sup> CD-ROM	Internal
8X CD-ROM	259888-001
24X Max <sup>5</sup> CD-ROM	295545-B21
1.44-Megabyte Diskette Drive (Third Height)	294164-B21

**Storage Controllers**

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

**Required Cabling**

For required cabling information refer to Compaq website <http://www.compaq.com/products/servers/proliant3000r>

**Cables/Cable Option Kit**

External Standard-to-Wide SCSI-2 Cable (6') <sup>7</sup>	189632-002
External Standard-to-Wide SCSI-2 Cable (12')	189632-003
Daisy Chain Cable <sup>8</sup>	199712-001
VHDCI 68-pin to standard 68-pin, 6' cable <sup>8</sup>	295644-B21
VHDCI 68-pin to standard 68-pin, 12' cable <sup>8</sup>	295645-B21
VHDCI 68-pin to standard 50-pin, 6' cable <sup>8</sup>	295646-B21
VHDCI 68-pin to standard 50-pin, 12' cable <sup>8</sup>	295657-B21
ProLiant 3000/5000 Cable Option Kit <sup>9</sup>	306585-B21
Wide-to-Narrow Adapter Option Kit	212055-001

**Fibre Channel Storage System**

Fibre Channel Array Kit (rack)	223100-001
Fibre Channel Storage Hub 7	234453-001
Fibre Channel Host Controller Kit/P	223180-B21
Fibre Channel Host Controller Kit/E	262394-B21

**External Storage**

Wide-Ultra SCSI-3 Upgrade Kit Model/1U	304148-B21
Wide-Ultra SCSI-3 Upgrade Kit Model/2U	304149-B21
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
Redundant Power Supply Option for U1 and F1	224206-001

**Server Recovery**

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

**OPTIONS** (cont'd)**Tape Drives**

4/8-GB DAT Drive	295353-B21
4/8-GB SLR Drive	295480-B21
Internal 15/30-GB DLT Drive	242456-001
External 15/30-GB DLT Drive	242457-001
Internal 35/70-GB DLT Drive	242520-B21
External 35/70-GB DLT Drive	242521-B21

**DLT Libraries<sup>10</sup>**

DLT Tape Array Model 0	199860-001
DLT Tape Array II Model 3570-4 no software (US)	295165-001
DLT Library 15 Cartridge <sup>11</sup> Model 1530-1	242403-B21
15/30 DLT Library Ready Drive	295166-B21
DLT Library Tabletop Conversion Kit <sup>11</sup>	295162-B21
35/70 DLT Library Ready Drive	295557-B21
DLT Library 15 Cartridge <sup>11</sup> Model 3570	295555-001
DLT Library 15 Cartridge <sup>11</sup> Model 3570-2	295555-002

**Communications**

Netelligent 10/100 TX PCI UTP	169845-001
Netelligent 10 T PCI UTP	242500-001
Netelligent 100 FDDI PCI SAS Fiber-SC	242505-001
Netelligent 100 FDDI PCI SAS UTP	242507-001
Netelligent 100 FDDI PCI DAS Fiber-SC	242509-001
Netelligent 100 FDDI PCI DAS UTP	242511-001
Netelligent Dual 10/100 TX PCI UTP	242559-001
Netelligent 4/16 TR ISA UTP/STP	265435-001
Netelligent 10 T/2 ISA UTP/Coax	265616-001
Netelligent 100 FDDI EISA SAS Fiber-MIC	267413-001
Netelligent 100 FDDI EISA SAS UTP	267414-001
Netelligent 100 FDDI EISA DAS Fiber-MIC	267415-001
Netelligent 100 FDDI EISA DAS UTP	267416-001
Netelligent 4/16 TR PCI UTP/STP	268009-001
Netelligent 100 FDDI PCI SAS Fiber-MIC	287728-001
Netelligent 10 T/2 PCI UTP/Coax	292856-B21
Netelligent 4/16 TR PCI IBM UTP/STP Token Ring	301206-B21
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

**Uninterruptible Power Supply** (cont'd)

Rack-Mountable UPS R3000h (200-230 VAC)	242705-002
Compaq Power Distribution Unit-Low Voltage PDU	295363-001
Compaq Power Distribution Unit-High Voltage PDU	295363-B31

**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

**Rack Conversion Kit**

Compaq ProLiant 3000 Tower to Rack Conversion Kit	306557-B21
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**Racks**

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

**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
Adjustable Fixed Rail Kit	332558-B21
Sliding Shelf Kit	332564-B21

**Redundant Options**

Redundant Fan Kit	306558-B21
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**OPTIONS** (cont'd)

**Redundant Options** (cont'd)

Compaq Hot-Pluggable Redundant Power Supply	306592-B21
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**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	295482-B21
4.0-GB DDS2 DAT Cassette	137611-001
4.0-GB SLR Data Cartridge	295482-B21
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 Magazine with five 15/30-GB DLT Tapes	242898-B21
DLT Magazine with five 35/70-GB DLT Tapes	295168-B21

**Other** (cont'd)

DAT 4mm Cleaning Cassette	242781-001
SLR Cleaning Cartridge	295483-B21
DLT Cleaning Cartridge	199704-001

<sup>1</sup> Data transfer rates will vary from 150 KB/s to 2400 KB/s.

<sup>2</sup> Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center at 1-800-345-1518 for details.

<sup>3</sup> For use in ProLiant 3000R 6/333 only.

<sup>4</sup> For complete compatibility information, refer to the Compaq SCSI Hard Drive Compatibility table located at <http://www.compaq.com/products/servers/storage/drives/index/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>5</sup> Data transfer rates will vary from 150 KB/s to 3600 KB/s.

<sup>6</sup> Order ProLiant 3000/5500 Cable Option Kit (306585-B21) when connecting more than one SCSI channel internally on these controllers.

<sup>7</sup> External Standard-to-Wide SCSI-2 Cable (6') needed when connecting external Autoloader to Fast-Wide SCSI-2 or Wide-Ultra SCSI-3 Controller.

<sup>8</sup> Required if connecting external device to Dual Channel Wide-Ultra Controller 295554-B21.

<sup>9</sup> This cable option kit contains the following cables:

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

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

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

<sup>10</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 ECG046/0298.

<sup>11</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>12</sup> For use with NetFlex-3 controller only.