### Compaq ProLiant 7000 Pentium II Xeon Models

#### QuickSpecs

**Models**
- ProLiant 7000
  - 6/400-1 MB
  - Model 1S-256 (256 MB)
  - 312150-001

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#### Standard Features

**Processor**
Supports one to four Intel Pentium® II Xeon processors 400 MHz, support for future Intel Pentium II Xeon processor technology, planned eight-way Intel Pentium II Xeon upgrade

**Cache Memory**
Integrated -MB level 2 cache per processor

**Upgradeability**
Upgradable to four processors with migration to eight-way processors

**Memory**
256 MB of ECC buffered EDO memory, expandable to 8 GB using industry-standard DIMMs

**Expansion Slots**
Ten total slots: five 64-bit PCI Hot Plug slots, four 32-bit Hot Plug and one ISA modem slot

**Network Controller**
Compaq Dual 10/100 TX PCI UTP Controller in PCI slot

**Storage Controllers**
Smart Array 3100ES Controller (for internal RAID), Integrated Dual Channel Wide-Ultra SCSI-3 Controller (2 x 40 MB/s each channel) and one additional Wide-Ultra SCSI-3 controller (external connector)

**Storage and Expansion**
Six removeable media bays: Four available 5.25-inch removeable media, 24X Max¹ CD-ROM Drive IDE and one internal 1.44-MB diskette drive; Three internal drive cage is standard. Each cage holds 6 x 1” or 4 x 1.6” (can be mixed) hot plug disk drives. Supports 18 x 1” or 12 x 1.6” disk drives

**Maximum Storage**
Internal: Up to 218.4-GB hot plug disk drives
External: Up to 6.988 TB of external storage using Fibre Channel Host Controllers, Hubs and Array Storage Subsystems

**Interfaces**
Two serial, one parallel, hot plug keyboard, pointing device (mouse), one SCSI and two 10/100 Ethernet Ports

**Graphics**
Integrated PCI Video Controller provides 1024 x 768 x 256 color with 2-MB memory

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#### Form Factor
19-inch Rack-Ready (14U); Tower Conversion Kit optional

#### Manageability
Compaq Insight Manager
Compaq Remote Insight Board (optional)
Integrated Remote Console (IRC)
Integrated Management Display (IMD)
Automatic Server Recovery-2 (ASR-2)
Recovery Server Option
Server Health Logs
Integrated Management Logs
Off-Line Backup Processor
Compaq Power Down Utility
Compaq Redundant Power Supply Utility
Pre-Failure Warranty 3 (now covers Intel Pentium II Xeon processors as well as hard drives and memory)
Power Supply Security Bar and Lock
PCI Hot Plug with keyed Access Entry
Hot Plug Redundant Fans
Smart Array 3100ES Controller
Redundant Processor Power Modules
Redundant NIC Option
Compaq Advanced Network Fault Detection and Correction Feature

#### 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, Keylock System chassis and power supply security

#### Server Setup and Management Software
StartSmart, the server configuration and software integration tool from Compaq, and Compaq Insight Manager, the comprehensive system management tool that monitors the operation of Compaq servers, workstations and clients, is shipped standard with Compaq ProLiant 7000 Xeon servers. Both StartSmart and Compaq Insight Manager are included in the Server Setup and Management pack.

#### OS Support
Compaq ProLiant 7000 Xeon servers support Microsoft Windows NT, Novell NetWare, SCO UnixWare and OpenServer, IBM OS/2, Sun Solaris, and Banyan VINES operating systems.

#### Power Supply
Two Hot Plug Redundant 750/500 watts N+1 power supplies (standard) with support for up to three power supplies per system. Power supplies are load sharing. Server requires a minimum of one or two power supplies based on system configuration. It is optimized for 220 (high-line) volts, and runs either on 110 (low-line) or 220 volts.
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<tr>
<td>Compaq Services provides a wide range of service offerings, including a three-year, limited warranty(^2) 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(^2) coverage of hard drives, memory and Intel Pentium II Xeon processor. Disaster recovery services are available through partnership with Comdisco.</td>
<td>P75 Color</td>
<td>307806-001</td>
<td>1.44-MB Diskette Drive</td>
<td>294164-B21</td>
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<td><strong>Cables Included in Base Model</strong></td>
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<tr>
<td>Three 23-inch internal to internal SCSI cables to connect Smart Array 3100ES Controllers to three integrated drive cages</td>
<td>P110 Color</td>
<td>284956-001</td>
<td>Internal 24X Max(^1) CD-ROM Drive</td>
<td>295545-B21</td>
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<td>One 2-drop IDE cable to connect CD-ROM</td>
<td>P1610 Color</td>
<td>305708-001</td>
<td>Wide-Ultra SCSI-3 Drives – Hot Plug</td>
<td>336358-B21</td>
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<td>One 5-drop SCSI cable with terminator for removable media bays</td>
<td>TFT450 Flat Panel Color</td>
<td>170406-001</td>
<td>18.2-GB Pluggable Wide-Ultra SCSI-3 Hard Drive</td>
<td>336358-B21</td>
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<tr>
<td>Three cable clips for cable management</td>
<td>TFT450R Rackmount Flat Panel Color</td>
<td>332662-001</td>
<td>18.2-GB Pluggable Wide-Ultra SCSI-3 Hard Drive</td>
<td>313756-B21</td>
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<tr>
<td>Two 34-inch internal to internal SCSI Cables</td>
<td>TFT500 Flat Panel Color</td>
<td>285006-001</td>
<td>9.1-GB Pluggable Wide-Ultra SCSI-3 Hard Drive</td>
<td>336357-B21</td>
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<tr>
<td>One 46-inch internal to internal SCSI Cable</td>
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<td></td>
<td>9.1-GB Pluggable Wide-Ultra SCSI-3 Hard Drive</td>
<td>313706-B21</td>
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<tr>
<td>Three Wide-to-Narrow SCSI Adapters for removable media devices</td>
<td></td>
<td></td>
<td>4.3-GB Pluggable Wide-Ultra SCSI-3 Hard Drive</td>
<td>336356-B21</td>
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<tr>
<td>One 8” Internal to External VHDCI cable for external SCSI</td>
<td></td>
<td></td>
<td>4.3-GB Pluggable Wide-Ultra SCSI-3 Hard Drive</td>
<td>272577-001</td>
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<th><strong>Options</strong></th>
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<td><strong>Processor</strong></td>
<td><strong>Wide-Ultra SCSI-3 Drives – Hot Plug</strong></td>
<td><strong>SMART-2DH Array Controller</strong></td>
<td>750/500 Watt Hot Plug N + 1 redundant power supply (North America)</td>
<td>Fibre Channel Array Kit (tower)</td>
</tr>
<tr>
<td>Intel Pentium II Xeon processor 6/400</td>
<td>18.2-GB Pluggable Wide-Ultra SCSI-3 10,000 rpm(^1) Hard Drive</td>
<td>295242-B21</td>
<td>Compaq Hot Plug DC Power Supply</td>
<td>241300-001</td>
</tr>
<tr>
<td>1-MB Option Kit</td>
<td>18.2-GB Pluggable Wide-Ultra SCSI-3 Hard Drive</td>
<td>242776-B21</td>
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<tr>
<td><strong>Memory</strong></td>
<td>9.1-GB Pluggable Wide-Ultra SCSI-3 10,000 rpm(^1) Hard Drive</td>
<td>Wide-Ultra SCSI-3 Controller</td>
<td>272514-001</td>
<td>Fibre Channel Storage Hub 12</td>
</tr>
<tr>
<td>64-MB EDO Memory Expansion Kit</td>
<td>9.1-GB Pluggable Wide-Ultra SCSI-3 Hard Drive</td>
<td>295554-B21</td>
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<td>295506-001</td>
</tr>
<tr>
<td>(4 x 16-MB buffered EDO DIMMs, 60 ns)</td>
<td>4.3-GB Pluggable Wide-Ultra SCSI-3 10,000 rpm(^1) Hard Drives</td>
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<td>241300-001</td>
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<tr>
<td><strong>Storage Controllers</strong></td>
<td>4.3-GB Pluggable Wide-Ultra SCSI-3 Hard Drive</td>
<td>Dual Channel Wide-Ultra SCSI-3 Controller</td>
<td></td>
<td>Fibre Channel Storage Hub 7</td>
</tr>
<tr>
<td>SMART-2SL Array Controller</td>
<td>339509-B21</td>
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<td>234453-001</td>
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<tr>
<td>Wide-Ultra SCSI-3 Controller</td>
<td>336368-B21</td>
<td>GBIC-SW Connector Kit (two each)</td>
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<td>Fibre Channel Host Controller Kit/P</td>
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<tr>
<td><strong>Power Supply</strong></td>
<td>339506-B21</td>
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<td>GBIC-SW Connector Kit (two each)</td>
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<tr>
<td>750/500 Watt Hot Plug N + 1 redundant power supply (North America)</td>
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<td>234459-B21</td>
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## OPTIONS (continued)

### Fibre Channel Storage System (continued)
- 2m Multi-Mode Fibre Channel Cable: 234457-B21
- 5m Multi-Mode Fibre Channel Cable: 234457-B22
- 15m Multi-Mode Fibre Channel Cable: 234457-B23
- Redundant Power Supply Option (US) for /U1 or /F1: 224206-001
- Fibre Channel Array Tower to Rack Conversion Kit: 297162-B21
- Fibre Channel Storage Hub 7 Rack Conversion Kit: 296324-B21
- Fibre Channel Troubleshooting Kit: 234468-B21

### External Storage
- ProLiant Tower Storage System Model UE: 348710-002
- ProLiant Tower Storage System Model U1: 304110-B21
- ProLiant Tower Storage System Model U2: 304110-B22
- ProLiant Storage System Model F1 or U1 to Model UE Upgrade: 348718-B21
- ProLiant Storage System Model F2 or U2 to Model UE Upgrade: 348706-B21
- ProLiant RPS Upgrade /F or /U: 169947-001
- SCSI Storage Expander: 142185-001
- CD-Storage System: 306251-B21
- Conversion Kit, SB to DB: 272830-001
- Conversion Kit, DB to SB: 272826-001
- Tower to Rack Conversion: 272891-001
- Redundant Power Supply Option (US) for /F or /U: 224206-001

### Server Recovery
- Recovery Server Option: 213817-001
- Recovery Server Option/U: 304117-B21

### Tape Drives
- 4/8-GB DAT: 295353-B21
- 4/8-GB SLR: 295480-B21
- 12/24-GB DAT: 295513-B21
- Internal 20/40-GB DLT Drive: 340743-B21
- External 20/40-GB DLT Drive: 340744-B21
- Internal 35/70-GB DLT Drive: 242520-B21
- External 35/70-GB DLT Drive: 242521-B21
- Internal DDS-3 AutoLoader: 295552-B21
- External DDS-3 AutoLoader: 295525-B21

### DLT Libraries (continued)
- DLT Tape Array Model 0: 199860-001
- DLT Tape Array II Model 35/70-4: 295165-001

### DLT Libraries
- 20/40 DLT Library Ready Drive: 350364-B21
- DLT Library 15 Cartridge Model 20/40-1: 350362-001
- DLT Library 15 Cartridge Model 20/40-2: 350362-002
- DLT Library 15 Cartridge Model 35/70-1: 350365-001
- DLT Library 15 Cartridge Model 35/70-2: 350365-002
- 35/70 DLT Library Ready Drive: 295557-B21
- DLT Library Magazine with five 35/70-GB Tapes: 295194-B21
- 35/70 GB DLT Drive Cartridge (single): 295192-B21
- 35/70 GB DLT Drive Cartridge (7 pack): 295162-B21

### Communications
- Compaq NC3121 Fast Ethernet NIC PCI 10/100 WOL: 323551-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 Dual 10/100 TX PCI UTP Controller: 242559-001
- Compaq 10/100 TX PCI UTP Controller: 169845-001
- Compaq 10 T PCI UTP Controller: 242500-001
- Compaq 100 FDDI PCI SAS Fiber-SC Controller: 242505-001
- Compaq 100 FDDI PCI SAS UTP Controller: 242507-001
- Compaq 100 FDDI PCI DAS Fiber-SC Controller: 242509-001
- Compaq 100 FDDI PCI DAS UTP Controller: 242511-001
- Compaq 4/16 TR PCI UTP/STP Controller: 268009-001
- Compaq 100 FDDI PCI SAS Fiber-MIC Controller: 287728-001
- Compaq 10 T/2 PCI UTP/Coax Controller: 292856-B21
- Compaq 4/16 TR PCI IBM UTP/STP Token Ring: 301206-B21
- Compaq 16/4 TR ISA IBM UTP/STP Controller: 301207-B21
- Compaq 56K ISA Fax Modem: 294900-002
## Options (continued)

### Tower Conversion Kit
- ProLiant 7000 Tower Conversion Kit 306334-001

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

### Rack Options
- Rack Sidewall Kit (42U only) 165652-001
- Coupling Kit (42U only) 165664-001
- Stabilizing Feet (42U only) 189907-001
- Monitor Utility Shelf 303606-B21
- Hot Plug Keyboard Drawer 303607-B21
- Rack Blanking Panel Kit (15U) 169940-001
- 4-Port Hot Plug Keyboard/Monitor/Mouse Switch (All) 242694-001
- 8-Port Hot Plug Keyboard/Monitor/Mouse Switch (All) 242695-001
- 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
- Rack Internal Trackball Hot Plug Keyboard 185152-001
- Hot Plug Keyboard/Monitor/Mouse extension cables 169989-001

### External Storage (rack)
- Rack-Mountable ProLiant Storage System Model UE 348700-001
- Rack-Mountable ProLiant Storage System Model U1 304100-B21
- Rack-Mountable ProLiant Storage System Model U2 304100-B22
- Rack-Mountable ProLiant RPS Upgrade /F or /U 169947-001
- Rack-Mountable SCSI Storage Expander 165620-001
- CD-Storage System (rack) 306250-B12

### Uninterruptible Power Supplies (rack)
- Rack-Mountable UPS R1500 242704-001
- Rack-Mountable UPS R1500h 242704-002
- Rack-Mountable UPS R3000 242705-001
- Rack-Mountable UPS R3000h 242705-002
- Multi Server UPS Card 242755-001
- Scalable UPS Card 242756-001

### Other
- Compaq Remote Insight Board-PCI 294013-001

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1. Data transfer rates will vary from 150 KB/s to 3600 KB/s.
2. Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center 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/index-drives.html](http://www.compaq.com/products/servers/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.
5. The DLT 15 Cartridge Library Model 20/40 or Model 35/70 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 20/40 or 35/70 includes one 20/40 DLT data cartridge or one 35/70 DLT data cartridge and three empty 5-cartridge magazines. US 350362-001/-002 (1 drive/2 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.