

MODELS

**ProLiant 5000 6/166
with 512 K L2 Cache**
Model 1
219400-001

**ProLiant 5000 6/200
with 256 K L2 Cache**
Model 1
219200-001

**ProLiant 5000 6/200
with 512 K L2 Cache**
Model 1X
221000-001

Model 2
221000-002

STANDARD FEATURES

Processor

166- or 200-MHz Intel Pentium® Pro processor with optional redundant Processor Power Modules; one processor standard (two processors standard on Model 2); support for up to four processors in a symmetric multiprocessing environment

Memory

Models 1 and 1S: 64 MB of ECC memory expandable to 4 GB using industry-standard DIMMs Model 1X,
Model 2 and Model 2S: 128 MB of ECC memory expandable to 4 GB using industry-standard DIMMs

Cache Memory

Models 1 (219200-001) and 1S (219200-004): 256 KB high-speed 4-way set associative per processor
Models 1 (219400-001), 1X (221000-001), 2 (221000-002), and 2S (221000-004): 512 KB high-speed 4-way set associative per processor
1 MB cache processor kit (289726-B21) available.

Architecture

ProLiant 5000 System Architecture

Processor Slots

Two processor slots (each slot holds one board with two processor sockets)
Models 1 and 1S: one processor board
Models 1X, 2 and 2S: two processor boards

Expansion Slots

Up to seven PCI slots and three EISA slots (eight total slots; two shared) on two PCI buses; one PCI slot is occupied by network interface controller

Network Controller

Netelligent 10/100 TX PCI UTP Controller

Storage Controllers

All Models: Integrated 32-Bit Fast-Wide SCSI-2/E Controller

Storage and Expansion

Four hot-pluggable drive bays

Maximum Storage

Internal: 72.8 GB (with 18.2-GB drives)
External: 1.5 TB (with 18.2-GB drives)

Interfaces

Internal and external Fast-Wide SCSI-2, network, parallel, two serial, graphics, keyboard and pointing device (mouse)

Graphics

Integrated 1024 x 768, 16-color noninterlaced

Diskette Drive and CD-ROM Drive

1.44-MB diskette drive and Internal 8X CD-ROM drive

Hard Drives

Optional

Manageability

Compaq Insight Manager
Compaq Remote Insight Board (optional)
Automatic Server Recovery-2 (ASR-2)
Server Health Logging
Revision History Table
Automatic Revision Tracking
Drive Parameter Tracking (with SMART-2 Array controller)
Dynamic Sector Repairing (with SMART-2 Array controller)
Recovery Server Option
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

488 watts (at 120V)/540 watts (at 208V)
Redundant Power Supply (RPS) upgrade available

Service and Support

Compaq Services provides a wide range of service offerings including a three-year limited warranty¹ 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 200/256K Kit	228411-001
Pentium Pro 166/512K Kit	219421-001
ProLiant 5000/6000 6/200-512K Processor Option Kit	273315-B21
ProLiant 5000/6000 6/200 1-MB Processor Option Kit	289726-B21
ProLiant 5000 Dual Pentium Pro Processor Board ²	219420-001
Redundant Processor Power Module	221058-001

Memory

64-MB Memory Expansion Kit (4 x 16-MB FPM DIMMs)	219282-001
128-MB Memory Expansion Kit (4 x 32-MB FPM DIMMs)	219283-001
256-MB Memory Expansion Kit (4 x 64-MB FPM DIMMs)	219284-001
512-MB Memory Expansion Kit (4 x 128-MB FPM DIMMs)	219285-001
1024-MB Memory Expansion Kit (4 x 256-MB buffered EDO DIMMs)	241774-B21
FPM/EDO Memory Board Conversion Kit ³	219481-B21

Monitors

V55 Color	308007-001
V75 Color	307710-001
V90 Color	305609-001
P50 Color	264200-001
P75 Color	307806-001
P110 Color	284956-001
P1610 Color	305708-001
TFT450 Flat Panel Color Monitor	170406-001
TFT500 Flat Panel Color Monitor	285006-001

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 Drive	272577-001
4.3-GB Pluggable Wide-Ultra SCSI-3 10,000 rpm ⁴ Hard Drive ⁵	304859-B21
9.1-GB Pluggable Wide-Ultra SCSI-3 Drive (1.6")	199882-001
9.1-GB Pluggable Wide-Ultra SCSI-3 Drive (1")	313706-B21
9.1-GB Pluggable Wide-Ultra SCSI-3 10,000 rpm ⁴ Hard Drive ⁵	304865-B21
18.2-GB Pluggable Wide-Ultra SCSI-3	313756-B21
Internal 8X CD-ROM Drive (IDE)	295888-001
Internal 24X Max ⁶ CD-ROM Drive	295545-B21

1.44-Megabyte Diskette Drive (Third Height)	294164-B21
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Storage Controllers

SMART-2/E Array Controller	194751-001
SMART-2SL Array Controller ⁵	242776-B21
32 Bit Fast-Wide SCSI-2/E Controller	142290-001
SMART-2DH Array Controller	295242-B21
Wide-Ultra SCSI-3 Controller	272514-001
Dual Channel Wide-Ultra SCSI-3 Controller	295554-B21

Required Cabling

For required cabling information refer to Compaq website <http://www.compaq.com/products/servers/proliant5000>

Server Recovery

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

External Storage

SCSI Storage Expander	142185-001
ProLiant Storage System Model/F1	272900-001
ProLiant Storage System Model/F2	272900-002
ProLiant Storage System Model/U1	304110-B21
ProLiant Storage System Model/U2	304110-B22
CD-Storage System (tower)	306521-B21

Tape Drives

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
External 35/70-GB DLT Drive	242521-B21
External 15/30-GB DLT Drive	242457-001
Internal TurboDAT AutoLoader	142183-001
External TurboDAT AutoLoader	142187-001

DLT Libraries⁷

DLT Library 15 Cartridge ^{8,9} Model 1530-1	242403-B21
15/30 DLT Library Ready Drive	295166-B21
DLT Library Tabletop Conversion Kit ^{4,9}	295162-B21
35/70 DLT Library Ready Drive	295557-B21
DLT Library 15 Cartridge ⁹ Model 3570-1	295555-001
	295555-B31
DLT Library 15 Cartridge ⁹ Model 3570-2	295555-002
	295555-B32
DLT Magazine with Five 15/30-GB DLT Tape	242898-B21
DLT Magazine with Five 35/70-GB DLT Tape	295168-B21

OPTIONS (cont'd)**Communications**

Serial/Parallel Interface Board	108406-002
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 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
NetFlex-3/P Controller	
100Base-TX UTP Module ¹⁰	169804-001
100VG-AnyLAN UTP Module ¹⁰	169802-001
100Base-FX Module ¹⁰	267657-001
Netelligent 10 T/2 PCI UTP/Coax Controller	292856-B21
Netelligent 10 T PCI UTP Controller	242500-001
Netelligent 10/100 TX PCI UTP Controller	169845-001
Netelligent 16/4 TR PCI IBM UTP/STP Controller	301206-B21
Netelligent 4/16 TR PCI UTP/STP Controller	268009-001
AUI to BNC Transceiver	192732-001
Compaq Netelligent 56K ISA Fax Modem	294900-001
Compaq 336 ISA Fax Modem	259213-002

Uninterruptible Power Supply

UPS T1500	242688-003
UPS T2000	242688-005
UPS T1500h ¹¹	242688-004
Multi Server UPS Card	242755-001
Scalable UPS Card	242756-001

Other

ProLiant Storage System Model 1	189600-001
ProLiant Fast-Wide Duplexing Option	199614-001
ProLiant RPS Upgrade (tower)	163837-001
ProLiant Storage System RPS Upgrade	137889-001
ProLiant 5000 Tower-to-Rack Conversion Kit	186058-001
Compaq Remote Insight Board	199748-001
ProLiant Storage System/F Redundant Power Supply	224206-001

¹ Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center for details.

² Standard in Models 1X, Models 2 and Models 2S.

³ Upgrade of the 1024-MB Memory Expansion Kit requires the FP/EDO Memory Board Conversion Kit (P/N 219481-B21) in systems with serial Number date code below X706 XXXX XXXX.

⁴ Standard in Models 1S and 2S.

⁵ 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>. 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.

⁶ Data transfer rate will vary from 150 KB/s to 3600 KB/s.

⁷ 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.

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

⁹ 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.

¹⁰ For NetFlex-3 controllers only.

¹¹ Models not available in North America.