

QUICKSPECS

Compaq ProLiant 1200

MODELS

ProLiant 1200 6/233
Model 1
292910-001

STANDARD FEATURES

Processors

233-MHz Intel Pentium® II processor with 512-KB second level ECC cache

Memory

32 MB of EDO ECC memory expandable to 512 MB using industry-standard buffered EDO ECC DIMMs

Cache Memory

512-KB second level ECC cache

Form Factor

Flexible tower-to-rack chassis

Expansion Slots

Six total slots: Two PCI slots and four shared PCI/EISA.

Network Controller

Compaq Netelligent 10/100 TX UTP Controller (embedded) on the PCI local bus

Storage Controllers

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

Storage and Expansion

Four removable media bays: One 1.44-MB diskette (third height) drive, one Internal 16X Max¹ CD-ROM Drive IDE (half height) and two 5.25" removable media bays. Capacity for 3 x 1.6-inch or 3 x 1.0-inch hot plug hard drives

Maximum Storage

Internal: 54.6 GB (3 x 18.2-GB hot plug hard drives)
81.9-GB Maximum Storage²

External: 1.15 TB

(7 x 18.2-GB) x 9 = 1.15 TB

External Interfaces

Wide-Ultra SCSI-3, network (RJ-45 and AUI), parallel, two serial ports, graphics, keyboard and pointing device (mouse)

Graphics

Integrated 1024 x 768, 256-color non-interlaced on PCI local bus (1 MB video memory)

Manageability

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

Manageability (*cont'd*)

Integrated Remote Console (IRC)
Hardware Remote Console
Full Remote Server Reboot Capability
Reset and Failure Sequence Replay
Host Hardware Independent
Operating System Independent
Communication is out-of-Band
Integrated Management Display (IMD) (optional)
Integrated Management Log
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 (now covers Pentium II processors as well as hard drives and memory)
Rack Conversion Kit (optional)
Memory Options
SMART-2 and SMART-2SL Array Controllers (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.

Power Supply

280 watts-CE Mark Compliant
Hot-Pluggable Redundant Power Supply (optional)

Service and Support

Compaq Services provides a wide range of service offerings including a three-year limited warranty³ 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 II processor. Disaster recovery services are available through partnership with Comdisco.

OPTIONS**Drive Cage⁴**

Duplexing Drive Cage Option Kit	264368-001
Hot-Plug Drive Cage (5 x 1) (requires Redundant Power Supply upgrade) Option Kit	271912-001

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

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

LCD

Integrated Management Display Option Kit (16 x 4 Character LCD)	264377-B22
---	------------

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

2.1-GB Pluggable Wide-Ultra SCSI-3 Hard Drive	242583-001
4.3-GB Pluggable Wide-Ultra SCSI-3 10,000 rpm ⁵ Hard Drives	304859-B21
4.3-GB Pluggable Wide-Ultra SCSI-3 Hard Drive	272577-001
9.1-GB Pluggable Wide-Ultra SCSI-3 10,000 rpm ⁵ Hard Drives	304865-B21
9.1-GB Pluggable Wide-Ultra SCSI-3 Hard Drive (1.6")	199882-001
9.1-GB Pluggable Wide-Ultra SCSI-3 Hard Drive (1")	313706-B21
18.2-GB Pluggable Wide-Ultra SCSI-3 Hard Drive	313756-B21
1.44-Megabyte Diskette Drive (Third Height)	294164-B21
Pluggable Wide Drive Tray Upgrade	199875-001
Pluggable Drive Tray Upgrade	272564-001
8X CD-ROM Drive (IDE)	295888-001
Internal 24X Max ⁶ CD-ROM Drive	295545-B21

Storage Controllers

SMART-2DH Array Controller	295242-B21
32-Bit Fast-Wide SCSI-2/E Controller	142290-001
SMART-2/E Array Controller	194751-001
SMART-2SL Array Controller	242776-B21
Wide-Ultra SCSI-3 Controller	272514-001
Dual Channel Wide-Ultra SCSI-3 Controller ⁷	295554-B21

Required Cabling

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

Cables

External Standard-to-Wide SCSI-2 Cable (6') ⁸	189632-002
External Standard-to-Wide SCSI-2 Cable (12')	189632-003
Wide to Narrow Adapter Option Kit	212055-001
VHDCI 68-pin to standard 68-pin, 6' cable ⁷	295644-B21
VHDCI 68-pin to standard 68-pin, 12' cable ⁷	295645-B21
VHDCI 68-pin to standard 50-pin, 6' cable ⁷	295646-B21
VHDCI 68-pin to standard 50-pin, 12' cable ⁷	295657-B21

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
Conversion Kit, SB to DB	272830-001
Conversion Kit, DB to SB	272826-001
Redundant Power Supply Option (US) for /U1 or /U2	224206-001
DLT Tape Array II Model 3570-4 (US) no software	295165-001
DLT Tape Array Model 0	199860-001
CD-Storage System (tower)	306251-B21

Server Recovery

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

OPTIONS (cont'd)**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
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 Libraries⁹

DLT Library 15 Cartridge ¹⁰ Model 1530-1	242403-B21
15/30 DLT Library Ready Drive	295166-B21
DLT Library Tabletop Conversion Kit ¹⁰	295162-B21
35/70 DLT Library Ready Drive	295557-B21
DLT Library 15 Cartridge ¹⁰ Model 3570-1	295555-001
	295555-B31
DLT Library 15 Cartridge ¹⁰ Model 3570-2	295555-002
	295555-B32
DLT Library Magazine with 5 1530-GB Tapes	242898-B21
DLT Library Magazine with 5 3570-GB Tapes	295168-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 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 Controller	242559-001
Netelligent 10/100 TX PCI UTP Controller	169845-001
NetFlex-3/P Controller	
100Base-TX Upgrade Module ¹¹	169804-001

Communications (cont'd)

NetFlex-3/P Controller	
100Base-TX Module ¹¹	169804-001
100VG-AnyLAN Module ¹¹	169802-001
100Base-FX Module ¹¹	267657-001
Netelligent 16/4 Controller TR PCI IBM UTP/STP	301206-B21
Netelligent 10 T/2 PCI UTP/Coax Controller	292856-B21
Netelligent 10 T PCI UTP Controller	242500-001
Netelligent 4/16 TR PCI UTP/STP Controller	268009-001
AUI to BNC Transceiver	192732-001
Compaq 336 ISA Fax Modem	259213-002
Compaq Netelligent 56K ISA Fax Modem	294900-001

Uninterruptible Power Supply

Multi-Server UPS	242755-001
Scalable UPS Card	242756-001
UPS 700 (200-240 Volt/2400 Volt Amp)	295372-001
UPS Model T1000 (100-127 Volt/1000 Volt Amp)	242688-001
UPS Model T1500 (100-127 Volt/1440 Volt Amp)	242688-003
UPS Model T2000 (100-127 Volt/1920 Volt Amp)	242688-005
UPS Model T1500h ¹² (200-240 Volt/1440 Volt Amp)	242688-004
UPS Model T2400h (200-240 Volt/2400 Volt Amp)	242688-006
208V Power Cord (12')	188482-002
Compaq Power Distribution Unit-low voltage (rack only)	295363-001
Compaq Power Distribution Unit-high voltage (rack only)	295363-B31

Power Cord

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

Rack Conversion Kit

Compaq Tower to Rack Conversion Kit (North America)	149068-001
Compaq Tower to Rack Conversion Kit (International)	149068-B21

Redundant Power Options

Compaq Hot-Pluggable Redundant Power Supply Option Kit	283697-001
--	------------

OPTIONS (cont'd)**Other**

4-Cartridge Magazine	199453-001
12-Cartridge Magazine	137610-001
2.0-GB DAT Cartridge	131107-002
4.0-GB DDS2 DAT Cartridge	137611-001
15/30-GB DLT Drive Cartridge (single)	242465-001
15/30-GB DLT Drive Cartridge (7 pack) ¹⁰	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 35/70 GB DLT Tapes	295168-B21
DLT Magazine with Five 15/30 GB DLT Tapes	242898-B21
DLT Cleaning Cartridge ¹⁰	199704-001
Daisy Chain Cable ¹³	199712-001
DLT Magazine with Five 35/70 GB DLT Tapes	295168-B21
4.0-GB SLR Data Cartridge (5 pack)	295482-B21
12.0-GB DDS3 DAT Cassette (10 pack)	295515-B21
DAT 4mm Cleaning Cassette	131194-001

¹ Data transfer rate will vary from 150 KB/s to 2400 KB/s.² For maximum storage, remove the CD-ROM for an additional 27.3-GB (3 x 9.1-GB non hot plug drives).³ Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center at 1-800-345-1518 for details.⁴ Compaq Hot Plug Redundant Power Supply must be installed prior to installing these drive cages.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 VHDCI cable required to connect to 50 or 68 external devices.⁸ External Standard-to-Wide SCSI-2 Cable (6') needed when connecting external Autoloader to Fast-Wide SCSI-2 or Wide-Ultra SCSI-3 Controller.⁹ 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 ECG046/0298.¹⁰ 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.

¹¹ For use with NetFlex-3 controller only.¹² Models not available in North America.¹³ External Daisy Chain Cables needed only when connecting two older external drives.