

TECHSPECS

Compaq ProLiant 1600

System Unit

Dimensions (HxWxD) With Feet	18.63 x 10.63 x 22.67 in/47.32 x 27.0 x 57.58 cm	
Weight	63 lbs/28.35 kg (without hard drives)	
Input Requirements		
Range Line Voltage	90-132 VAC/180-265 VAC	
Nominal Line Voltage	100-120 VAC/220-240 VAC	
Line Frequency	50-60 Hz	
Heat	1706 BTU	
Steady-State Input Power	500 W	
Output	325 W	
Temperature Range (noncondensing)		
Operating	50° to 93°F/10° to 35° C	
Shipping	-22° to 140° F/-30° to 60° C	
Relative Humidity (noncondensing)		
Operating	20% to 80%	
Nonoperating	5% to 90%	
Acoustic Noise	NPEL (BELS)	AVERAGE SPL (dBA)
IDLE (Fixed Disk Drives Spinning)	6.0	43
OPERATING (Random Seeks to Fixed Disks)	6.1	44

1.44-MB Diskette Drive

Diskette Size	3.5-in
LED Indicators (front panel)	Green
Read/Write Capacity per Diskette (high/low density)	1.44 MB/720 KB
Drive Supported	One
Drive Height	One-third
Drive Rotation	300 rpm
Transfer Rate (high/low)	500/250 Kb/s
Bytes/Sector	512
Sectors/Track (high/low)	18/9
Tracks/Side (high/low)	80/80
Access Times	
Track-to-Track (high/low)	3/6 ms
Average (high/low)	169/94 ms
Settling Time	15 ms
Latency Average	100 ms
Cylinders (high/low)	80/80
Read/Write Heads	Two

Pluggable Wide-Ultra SCSI-3 10,000 rpm Hard Drive

	4.3-GB	9.1-GB
Capacity	4293.6 MB	9100.0 MB
Height	Third, 1.0 inch	Half, 1.6 inch
Size	3.5 in	3.5 in
Interface	Wide-Ultra SCSI-3	Wide-Ultra SCSI-3

**Pluggable Wide-Ultra
SCSI-3 10,000 rpm
Hard Drive (cont'd)**

Transfer Rate	4.3-GB 40 MB/s	9.1-GB 40 MB/s
Sector Interleave	1:1	1:1
Seek Time (typical, including settling)		
Single Track	0.8 ms	0.8 ms
Average	7.5 ms	8.0 ms
Full Stroke	18.0 ms	18.0 ms
Rotational Speed	10,000 rpm	10,000 rpm
Physical Configuration		
Cylinders	4,811	4,811
Heads	11	23
Sectors/Track	126 to 207	126 to 207
Bytes/Sector	512	512
Logical Blocks	8,386,000	17,773,500
Operating Temperature	50° to 86°F/ 10° to 30°C	50° to 86°F/ 10° to 30°C

**Wide-Ultra SCSI-3
Hard Drives**

	2.1-GB	4.3-GB	9.1-GB	9.1-GB	18.2-GB
Capacity	2097.4 MB	4293.6 MB	9100.0 MB	9100.0 MB	18209.8 MB
Height	Third, 1.0 inch	Third, 1.0 inch	Half, 1.6 inch	Third, 1.0 inch	Half, 1.6 inch
Size	3.5 in	3.5 in	3.5 in	3.5 in	3.5 in
Interface	Wide-Ultra SCSI-3	Wide-Ultra SCSI-3	Wide-Ultra SCSI-3	Wide-Ultra SCSI-3	Wide-Ultra SCSI-3
Transfer Rate	40 MB/s	40 MB/s	40 MB/s	40 MB/s	40 MB/s
Sector Interleave	1:1	1:1	1:1	1:1	1:1
Seek Time (typical, including settling)					
Single Track	1.9 ms	1.0 ms	1.0 ms	2.0 ms	2.0 ms
Average	9.5 ms	7.9 ms	7.9 ms	7.5 ms	8.5 ms
Full Stroke	18.5 ms	19.0 ms	19.0 ms	16.0 ms	19.0 ms
Rotational Speed	7200 rpm	7200 rpm	7200 rpm	7200 rpm	7200 rpm
Physical Configuration					
Cylinders	5178	4,811	4,811	8,162	8,162
Heads	5	11	23	10	20
Sectors/Track	119 to 186	126 to 207	126 to 207	140 to 250	140 to 280
Bytes/Sector	512	512	512	512	512
Logical Blocks	4,110,000	8,386,000	17,773,500	17,777,550	35,566,000
Operating Temperature	50° to 95°F/ 10° to 35°C	50° to 95°F/ 10° to 35°C	50° to 95°F/ 10° to 35°C	50° to 95°F/ 10° to 35°C	50° to 95°F/ 10° to 35°C

**16X Max¹ CD-ROM
Drive IDE**

Disk	
Applicable Disk	CD-ROM (Mode 1 and 2), CD-DA, CD-XA (Mode 2, Form 1 and 2), Photo CD (Single and Multiple Session), Mixed Mode (Audio and Data Combined)
Capacity	550 MB (Mode 1, 12 cm), 640 MB (Mode 2, 12 cm)

**16X Max¹ CD-ROM
Drive IDE** *(cont'd)***Disk** *(cont'd)*

Block Size	2048, 1024 bytes (Mode 1), 2340, 2336, 1024 bytes (Mode 2), 2352 bytes (CD-DA), 2328 bytes (CD-XA)
Diameter	4.7 in, 3.15 in/12 cm, 8 cm
Rotational Speed	4200 rpm maximum
Center Hole	.6 in/15 mm diameter
Thickness	1.2 mm
Track Pitch	1.6 μ m

Interface

IDE (ATAPI)

Access Times (typical)

Random	100 ms
Full Stroke	200 ms

Audio Output Level

Line Out	0.7 VRMS at 47 kOhms
Headphone	0.6 VRMS at 32 Ohms (maximum volume)

Data Transfer Rate

Sustained	150 KB/s (single)
Burst	4 MB/s

Cache Buffer

128 KB

Start-Up Time (typical)

Less than 7 seconds

Stop Time

Less than 4 seconds

Laser Parameters

Type	Semiconductor Laser GaAlAs
Wave Length	780 \pm 25 nm
Divergence Angle	53.5° \pm 1.5°
Output Power	.14 mW

Operating Conditions

Temperature	41° - 113°F/5° - 45°C
Humidity	10 - 80%

Dimensions

(HxWxD, maximum)	1.69 x 5.75 x 8.19 in/4.29 x 15 x 20.8 cm
------------------	---

Weight

2.66 lbs/1.2 kg

**Integrated Dual Channel
Wide-Ultra SCSI-3
Controller****Drives Supported**

Up to seven SCSI devices per channel

Data Transfer Method

32-Bit PCI bus master

SCSI Channel Transfer Rate

40 MB/s per channel

Maximum Transfer Rate per PCI Bus (peak)

133 MB/s

SCSI Termination

Active Termination

SCSI Connectors

1 external, 2 internal (68-pin)

Compaq Netelligent
10/100 PCI UTP
Controller (embedded)

Network Interface	10Base-T/100Base-TX
Compatibility	IEEE 802.3/802.3u compliant
Data Transfer Method	32-bit bus-master PCI
Network Transfer Rate	
10Base-T (Half-Duplex), 10Base-2	10 Mb/s
10Base-T (Full-Duplex)	20 Mb/s
100Base-TX (Half-Duplex)	100 Mb/s
100Base-TX (Full-Duplex)	200 Mb/s
Connector	RJ-45 and AUI
Cable Support	
10Base-T	Categories 3, 4, or 5 UTP (2 or 4 pair); up to 100 meters (328 feet)
Cable Support	
100Base-TX	Category 5 UTP (2 pair); up to 100 meters (328 feet)
OS Driver Support	Novell NetWare Server v 3.20, 4.1x, intraNetWare, SFT III, Novell NetWare DOS IBM LAN Server NDIS 3.0: Microsoft Windows NT, Windows 95, Windows for Workgroups SCO Unix

¹ Data transfer rate will vary from 150 KB/s to 2400 KB/s.