

# TECHSPECS

Compaq ProLiant 1200

## System Unit

<b>Dimensions</b> (HxWxD) With Base	18.63 x 10.63 x 22.67 in/47.32 x 27.0 x 57.58 cm	
<b>Weight</b>	63 lbs/28.35 kg (without hard drives)	
<b>Input Requirements</b>		
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	
<b>Steady-State Input Power</b>	500 W	
<b>Output</b>	325 W	
<b>Temperature Range</b> (noncondensing)		
Operating	50° to 93°F/10° to 35° C	
Shipping	-22° to 140°F/-30° to 60° C	
<b>Relative Humidity</b> (noncondensing)		
Operating	20% to 80%	
Nonoperating	5% to 90%	
<b>Acoustic Noise</b>	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

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

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

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

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

	<b>4.3-GB</b>	<b>9.1-GB</b>
<b>Transfer Rate</b>	40 MB/s	40 MB/s
<b>Sector Interleave</b>	1:1	1:1
<b>Seek Time</b> (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
<b>Rotational Speed</b>	10,000 rpm	10,000 rpm
<b>Physical Configuration</b>		
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
<b>Operating Temperature</b>	50° to 86°F/ 10° to 30°C	50° to 86°F/ 10° to 30°C

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

	<b>2.1-GB</b>	<b>4.3-GB</b>	<b>9.1-GB</b>	<b>9.1-GB</b>	<b>18.2-GB</b>
<b>Capacity</b>	2097.4 MB	4293.6 MB	9100.0 MB	9100.0 MB	18209.8 MB
<b>Height</b>	Third, 1.0 inch	Third, 1.0 inch	Half, 1.6 inch	Third, 1.0 inch	Half, 1.6 inch
<b>Size</b>	3.5 in	3.5 in	3.5 in	3.5 in	3.5 in
<b>Interface</b>	Wide-Ultra SCSI-3	Wide-Ultra SCSI-3	Wide-Ultra SCSI-3	Wide-Ultra SCSI-3	Wide-Ultra SCSI-3
<b>Transfer Rate</b>	40 MB/s	40 MB/s	40 MB/s	40 MB/s	40 MB
<b>Sector Interleave</b>	1:1	1:1	1:1	1:1	1:1
<b>Seek Time</b> (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
<b>Rotational Speed</b>	7200 rpm	7200 rpm	7200 rpm	7200 rpm	7200 rpm
<b>Physical Configuration</b>					
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
<b>Operating Temperature</b>	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 Max<sup>1</sup> CD-ROM  
Drive IDE**

<b>Disk</b>	
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)
Block Size	2048, 1024 bytes (Mode 1), 2340, 2336, 1024 bytes (Mode 2), 2352 bytes (CD-DA), 2328 bytes (CD-XA)

**16X Max<sup>1</sup> CD-ROM  
Drive IDE** *(cont'd)*

<b>Disk</b> <i>(cont'd)</i>	
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 $\mu$ m
<b>Interface</b>	
IDE (ATAPI)	
<b>Access Times</b> (typical)	
Random	100 ms
Full Stroke	200 ms
<b>Audio Output Level</b>	
Line Out	0.7 VRMS at 47 kOhms
Headphone	0.6 VRMS at 32 Ohms (maximum volume)
<b>Data Transfer Rate</b>	
Sustained	150 KB/s (single)
Burst	1200 - 2400 MB/s
<b>Cache Buffer</b>	
128 KB	
<b>Start-Up Time</b> (typical)	
Less than 7 seconds	
<b>Stop Time</b>	
Less than 4 seconds	
<b>Laser Parameters</b>	
Type	Semiconductor Laser GaAlAs
Wave Length	780 $\pm$ 25 nm
Divergence Angle	53.5° $\pm$ 1.5°
Output Power	.14 mW
<b>Operating Conditions</b>	
Temperature	41 - 113°F/5 - 45°C
Humidity	10 - 80%
<b>Dimensions</b>	
(HxWxD, maximum)	1.69 x 5.75 x 8.19 in/4.29 x 15.0 x 20.8 cm
<b>Weight</b>	
2.66 lbs/1.2 kg	

**Integrated Wide-Ultra  
SCSI-3 Controller**

<b>Drives Supported</b>	Up to seven SCSI-2 devices supported
<b>Data Transfer Method</b>	32-Bit PCI bus master
<b>SCSI Channel Transfer Rate</b>	40 MB/s
<b>Maximum Transfer Rate per PCI Bus</b>	133 MB/s
<b>SCSI Termination</b>	Active Termination
<b>SCSI Connectors</b>	1 internal or external (68-pin)
<b>Logical Drives Supported</b>	32

**Compaq Netelligent  
10/100 TX UTP Controller  
(embedded)**

<b>Network Interface</b>	10Base-T/100Base-TX
<b>Compatibility</b>	IEEE 802.3/802.3u compliant
<b>Data Transfer Method</b>	32-bit bus-master PCI

**Compaq Netelligent  
10/100 TX UTP Controller  
(embedded) *(cont'd)*****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)
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

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