

TECHSPECS

Compaq ProLiant 3000

System Unit

Dimensions (HxWxD)	12 x 19 x 24.5 in/30.5 x 48.3 x 62.2 cm	
Weight	88.2 lb/40 kg	
Input Requirements (per power supply)		
Rated Input Voltage	100 to 120 VAC/200 to 240 VAC	
Rated Input Frequency	50 to 60 Hz	
Input Power	780W @ 110 VAC/1100W @ 220 VAC	
Rated Input Current	8A	
Power Supply Output Power (per power supply)		
Rated Steady-State Power	500 W/750 W (lowline/highline)	
Maximum Peak Power	540 W/780 W (lowline/highline)	
Temperature Range		
Operating	50° to 95° F/10° to 35°C	
Non Operating	-20° to 140° F/-30° to 60°C	
Shipping	-22° to 122° F/-30° to 60°C	
Relative Humidity (noncondensing)		
Operating	20% to 80%	
Nonoperating	5% to 90%	
Maximum Wet Bulb Temperature		
101.7° F/38.7°C		
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

Non-Hot Plug

	2.1-GB	4.3-GB	4.3-GB	9.1-GB
Capacity	2097.4 GB	4293.6 MB	4293.6 MB	9100.0 MB
Height	Third, 1.0 inch	Third, 1.0 inch	Third, 1.0 inch	Third, 1.0 inch
Size	3.5 in	3.5 in	3.5 in	3.5 in

Non-Hot Plug (cont'd)

	2.1-GB	4.3-GB	4.3-GB	9.1-GB
Interface	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
Sector Interleave	1:1	1:1	1:1	1:1
Seek Time (typical, including settling)				
Single Track	1.9 ms	1.0 ms	0.8 ms	1.0 ms
Average	9.5 ms	7.9 ms	7.5 ms	7.9 ms
Full Stroke	18.5 ms	19.0 ms	18.0 ms	19.0 ms
Rotational Speed	7200 rpm	7200 rpm	10,000 rpm ¹	7200 rpm
Physical Configuration				
Cylinders	5,178	4,811	6,582	4,811
Heads	5	11	8	23
Sectors/Track	119 to 186	126 to 207	131 to 195	126 to 207
Bytes/Sector	512	512	512	512
Logical Blocks	4,110,000	8,386,000	8,386,000	17,773,500
Operating Temperature	50° to 95°F	50° to 95°F	50° to 86°F	50° to 95°F

Hot Plug

	2.1-GB	4.3-GB	4.3-GB	9.1-GB	9.1-GB	18.2-GB
Capacity	2097.4 MB	4293.6 MB	4293.6 MB	9100.0 MB	9100.0 MB	18209.8 MB
Height	Third, 1.0 inch	Third, 1.0 inch	Third, 1.0 inch	Third, 1.0 inch	Half, 1.6 inch	Half, 1.6 inch
Size	3.5 in	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	Wide-Ultra SCSI-3
Transfer Rate	40 MB/s	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	1:1
Seek Time (typical, including settling)						
Single Track	1.9 ms	1.0 ms	0.8 ms	1.0 ms	0.8 ms	2.0 ms
Average	9.5 ms	7.9 ms	7.5 ms	7.9 ms	8.0 ms	8.5 ms
Full Stroke	18.5 ms	19.0 ms	18.0 ms	19.0 ms	18.0 ms	19.0 ms
Rotational Speed	7200 rpm	7200 rpm	10,000 rpm ¹	7200 rpm	10,000 rpm ¹	7200 rpm
Physical Configuration						
Cylinders	5,178	4,811	6,582	4,811	6,582	8,162
Heads	5	11	8	23	16	20
Sectors/Track	119 to 186	126 to 207	131 to 195	126 to 207	131 to 195	140 to 280
Bytes/Sector	512	512	512	512	512	512
Logical Blocks	4,110,000	8,386,000	8,386,000	17,773,500	17,773,500	35,566,000
Operating Temperature	50° to 95°F	50° to 95°F	50° to 86°F	50° to 95°F	50° to 86°F	50° to 95°F

16X Max² 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)
Block Size	2048, 1024 bytes (Mode 1), 2340, 2336, 1024 bytes (Mode 2), 2352 bytes (CD-DA), 2328 bytes (CD-XA)

**16X Max² CD-ROM
Drive IDE (cont'd)**

Disk (cont'd)	
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	1200 - 2400 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 15.0 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, (68-pin) 2 internal, (68-pin)

**Netelligent 10/100 TX
PCI UTP Controller**

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), 100VG-AnyLAN	100 Mb/s
100Base-TX (Full-Duplex)	200 Mb/s

Netelligent 10/100 TX
PCI UTP Controller
(cont'd)

Connector

RJ-45

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

¹For complete compatibility information, refer to the Compaq SCSI Hard Drive Compatibility table located at <http://www.compaq.com/products/servers/storage/drives/index/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.

²Data transfer rate will vary from 150 KB/s to 2400 KB/s.

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