HP NetServer LP 1000r Technical Reference Label

P4632-80200

A NetServer

Power Supply
Rear Panel (See C)
CPU_FAN2
CHA_FAN2
Flexible Disk Drive
PCI Riser Board
System Board
CPU_FAN1
CHA_FAN1
CD-ROM Drive
Slot 2 *
Slot 1
Slot 0

* NetServer Serial Number is located on inside of chassis (visible when Slot 2 drive is removed).

B Front Panel

LED Indicators
CD-ROM Drive
Reset
Temperature
Fans
SCSI Activity
Power
Power Switch
Flexible Disk Drive
Slot 0
Slot 1
Slot 0
Slot 1
Slot 2
Slot 2

Control Panel LED Definitions

Power	Steady green when operating normally. Flashing green at 1 Hz rate in sleep mode.
SCSI Activity	Flashes green when there is SCSI activity. Off when there is no activity.
Slot	Steady green when drive is present. Off when drive is not present. Steady red for faulty drive or rebuild failure. Alternating green and red at 1 Hz rate for SCSI rebuild. Alternating green and red at 3 Hz rate indentifies drive.
Temperature	Steady green for normal operation. Steady red indicates temperature in excess of threshold. Alternating green and red indicates warning.
Fan	Steady green for normal operation. Steady red indicates fan failure. Alternating green and red indicates warning.

C Rear Panel

Power
Mouse
Parallel
PCI Slot (1)
Keyboard
USB (2)
Serial / Management
Video
LAN A / Management
LAN B
External SCSI Connector

Rear LED Indicator (LAN Connector)

Activity Link Indicator
Steady Green-Link Valid
Blinking Green- Activity on LAN

LAN Speed Indicator
OFF-10Mbps
Steady Yellow-100Mbps

D System Board

Serial B
LAN B
LAN A/Mgmt
Video
Parallel
Serial A/ Mgmt.
Battery
USB (2)
Mouse (upper) Keyboard (lower)
PCI Riser Card
Processor 1
CPU_FAN1
⚠ CAUTION! Use a new thermal pad when reinstalling a heatsink
Processor 2
IDE-2
CPU_FAN2
Integrated Remote Assistant Board
Power Connector
0
1
2
3
DIMMs
FDD
SCSI B
SCSI A
IDE-1
Configuration Switch

Boot Order
1. IDE CD-ROM
2. Flexible Disk Drive
3. Hard Drive
4. Bootable Cards
5. Network Connection

1 Not Used (Default = Off)
2 BIOS Recovery
3 Clear Password
4 Clear CMOS
5 Not Used (Default = Off)
6 Not Used (Default = Off)
7 Not Used (Default = Off)
8 Not Used (Default = Off)
Open = Off   Closed = On

E System Cabling

SCSI 1
SCSI 2
SCSI 3
CD-ROM Drive
FDD
3 SCSI A
SCSI B 4
System Board
IDE-1
FDD
External SCSI

Cables	Type
1	Flexible Disk Cable
2	IDE CD-ROM Cable
3	SCSI Cable
4	Int / Ext SCSI Cable

F Mass Storage Device Locations and Settings

Device	Device Settings	Location
Standard Flexible Disk Drive	Factory installed	See Panel B Front Panel
Standard IDE CD-ROM Drive	Factory Installed	See Panel B Front Panel
HP Accessory 9 GB HDD or HP Accessory 18 GB HDD or HP Accessory 36 GB HDD	Drives may be installed in Slot 0 through Slot 2	See Panel B Front Panel
Standard Dual SCSI Controller	SCSI ID 7	Embedded

See documentation with each device for further configuration information.

G Memory

• Use only PC 133 HP DIMMs.

• The LP 1000r can support up to 4GB.

• DIMM sizes supported are 128MB, 256MB, 512MB, and 1GB.

• DIMMs may be installed in any combination in any DIMM socket.

• 4MB of standard video memory is provided with the embedded video controller.

• When handling DIMMs observe anti-static precautions.

H Service Information

Electronic Support Services
• Internet Web Page   http://www.hp.com/go/netserver
• Internet FTP   ftp://ftp.netserver.hp.com
• Compuserve Library GO HPPC
• HP Navigator CD

Support Questions
• HP-Authorized Reseller
• Compuserve Discussion Forum GO HPPC
• US / Canada Phone Support   1-970-635-1000
• Europe Phone Support   (+31-20) 581-3330 (Netherlands)

HP has offices in over 100 countries.
Check your local telephone directory.

Selected HP Accessories
For other tested accessories, download the Order Assistant from the HP Web page.

Audience Assumptions
This Technical Reference Card is for trained service personnel. Hewlett-Packard Company assumes you are qualified in the servicing of computer equipment and trained in recognizing hazards in products with hazardous energy levels.

Electrostatic Discharge (ESD) Warning
To avoid catastrophic or hidden damage to components, wear a wrist strap and use a static-dissipative work surface connected to the chassis when handling components. Use an antistatic service kit, such as 3M® 8501/ 8502/8505 or equivalent.

This information is subject to change without notice and is provided without warranty.

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