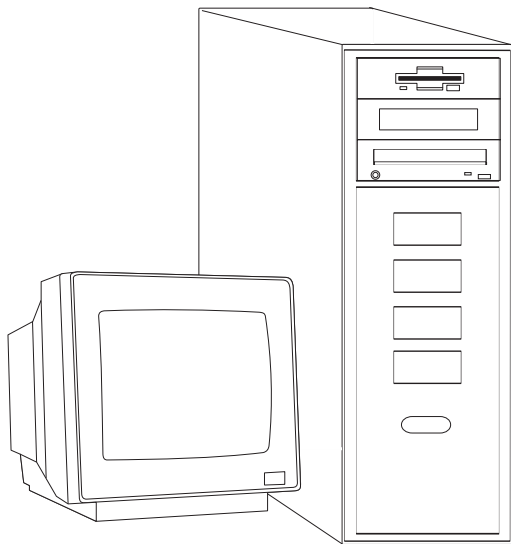


Compaq Proliant 1500/1500R



Compaq Proliant 1500/1500R

Specifications

Processor

- Intel Pentium 75,100,133,166mhz.
- The R model is rack-mountable

Memory

- 16/32MB standard, expands to 256MB

I/O Expansion Slots

- 5-EISA slots, 2-PCI slots, 1-EISA/PCI slot

Diskette Drive

- 1-3.5" 1.44 diskette drive

Integrated Features

- 2-Serial, parallel, pointing device port, 32-bit Fast SCSI-2, SMART SCSI array, network, 1024x768 video graphics system

Internal Expansion Bays

- 8-total drive bays, 3-user accessible, 5-hot pluggable

I/O Architecture (Buses supported)

- Compaq FlexSMP System Architecture

Power Supply

- 325 watt power supply

Diagnostics

- Normal Post Diags performed on Power UP of system.
- For Advanced Diags use Diskette version 9.0
- Troubleshoot according to errors found during test

Tools And Software Requirements

- Flat bladed and Torx screwdrivers
- Needle nose pliers
- ROM removal tool
- Diagnostics and formatted blank diskettes
- Anti-static wrist strap

Switch Settings

SW2 (004506)

Switch	S1	S2	S3	S4	S5	S6
Video on	OFF*					
Video off	ON					
Config lock on		OFF*				
Config lock off		ON				
System in tower			OFF*			
System in rack			ON			
Dsktte boot config			OFF*			
Dsktte boot on				ON		
Pwr-on Psswd on				OFF*		
Pwr-on Psswd off				ON		
Config mem on						OFF*
Clears config mem					ON	

Jumper Settings for SCSI ID*

Drive Bay#	SCSI ID**	ID2	Pin3 ID1	Pin2 ID0	Pin1
6	6	ON	ON	OFF	
5	5	ON	OFF	ON	

* Not necessary to set jumpers on replacement drive. The SCSI ID is set automatically by the backplane when the drive is installed. ** SCSI ID's for bay 0-4 are preset to 0-4. No two drives can have the same SCSI ID.

Proliant 1500 Configuration Codes

Model	Drive	Configuration Code
1500/75 M1	none	HNH1
1500/75 M2100	2.1GB	HNH3
1500/75 M4200A	2-2.1GB	HNH5
1500/100 M1	none	HNF1
1500/100 M2100	2.1GB	HNF3
1500/100 M4200A	2-2.1GB	HNF5
1500/120		
1500/133		

Proliant 1500R Configuration Codes

Model	Drive	Configuration Code
1500R/75 M1	none	HMU1
1500R/100 M1	none	HMS1
1500R/120 M1	none	
1500R/133 M1	none	

Removal Procedures

Before beginning removal complete the following steps.

1. Turn off the computer and any peripheral devices.
2. Disconnect AC power cord from the outlet and system.
3. Disconnect all peripheral devices from the computer.

System Cover

Warning: High voltage is present, use caution when running the Proliant without the system cover on.

1. How to remove the front bezel door
2. Loosen thumb screws and remove at front of panel
3. Slide system unit cover forward then up
4. **Rack-Mounted:** Turn 1/4 turn screws on front panel.
5. Slide the cover back and up.

Field Replaceable Units

Memory	OEM Part	IBM Part
4MB 70ns mod.	141754-001	20H6294
4MB 60ns mod.	139139-001	37H1197
8MB 70ns mod.	141755-001	90G7098
8MB 60ns mod.	139140-001	37H1198
16MB 70ns mod.	149947-001	90G7101
16MB 60ns mod.	139141-001	37H1199
32MB 70ns mod.	149948-001	20H8476
32MB 60ns mod.	139142-001	37H1200

Controller Boards

Description	Assembly	OEM Part	IBM Part
SMART contrlr	002969	142130-001	20H8547
	003596	181132-001	20H8736
Fast SCSI-2	002682	142040-001	90G6451
Fast wide SCSI-2/P	003654	199633-001	37H1206
NetFlex contrlr	002709	142041-001	20H8539
NetFlex contrlr TR	142035	142042-001	20H8555
NetFlex-2 ENET-TR	003382	142222-001	20H8566
NetFlx-2 Dual ENET	003101	142151-001	20H8567
NetFlex-2 TR	003647	199521-001	20H8538
NetFlex-2 Dual TR	003104	142195-001	20H8630
NetFlex-3/E contrlr	004162	169801-001	52H5606
NetFlex-3/P contrlr	004165	169811-001	74H2685
NtFlx-3 100base TX	004183	169805-001	61H8949
NtFlx3 100VG upgd	004189	169803-001	61H8947

Internal Hard Drive

Size	OEM Part	IBM Part
4.3GB non-plggb fast SCSI-2	199585-001	52H5730
4.3GB Pluggable Fast SCSI-2	199584-001	52H5605
4.3GB Plggb Fast-wide SCSI-2	199598-001	52H5596
4.3GB nonplggb fst wde SCSI2	199599-001	37H1202
2.1GB Pluggable Fast SCSI-2	199428-001	20H8576
2.1GB nonplggb fst wde SCSI2	199644-001	37H1201
2.1GB Plggb Fast-wide SCSI-2	199643-001	52H5595
1.05GB Plggb Fast SCSI-2	146717-001	20H8717
550MB Pluggable Fast SCSI-2	146799-001	20H8716
Fst wde/fst hot plug tray	146781-001	20H8718

System Bds	Assembly	OEM Part	IBM Part
P5/75	004506-001	169092-001	37H1192
5/100 *	004712-001	169174-001	52H5947
P54C/120	004712-102	169174-002	61H9031
	004712-109		
P54C/120 heatsink		222906-001	52H5712
P5/133 FlexSMP	00412-011	222925-001	74H3033
P5/133 heatsink		222934-001	70H9438
I/O bd. PCI	004341-001	169048-001	52H4685

* Processor with heat sink
OEM number 213113-001 (IBM Part 69H4118)

Diskette Drives	OEM Part	IBM Part
1.2MB	112566-001	93F7252
1.44MB	144207-001	20H8548
1.44MB (optional)	112565-001	93F7107

CD ROM Drives	OEM Part	IBM Part
Internal tray load	142223-001	20H8472
Caddy load	133881-001	93F9345
Quad speed tray load	184783-001	52H9094

Tape Drives	OEM Part	IBM Part
525MB ACA	142073-001	90G6447
1.2GB TBU	199615-001	61H8964
2/8GB DAT	142074-001	20H8559
4/16GB TurboDat	199464-001	20H8549
Internal TurboDat Autoloader	199466-001	20H8551
10/20 table top DLT	199676-001	61H8971

Miscellaneous	Assembly	OEM Part	IBM Part
Hotplggb drv bkpln	004361-001	169054-001	37H1195
SCSI pass thru	003418-001	142266-001	20H8715
2400bd mdm(ENG)	001768-002	121308-002	66H6486
2400bd mdm(DAA)	124611-001	127831-001	20H8737
LTE Mdm engine	002449-001	199906-001	20H8096
LTE DAA	135725-001	141959-001	20H8096
Hotplggb tray adp	146729-001	199656-001	61H8965
fast wide SCSI-2			
Hotplggb tray adp	146729-003	146781-001	20H8718
fast SCSI-2			
battery		160274-001	20H8456
pwr supply 325watt		169052-001	37H1190
488 watt pwr spl		163828-001	37H1191
488 watt pwr spl*		165628-001	52H6924
* Proliant 1500R only			

Cables	OEM Part	IBM Part
Internal SCSI HDD	148589-001	48H6831
Int. SCSI-2 HDD (2-devices)*	165706-001	20H8720
External SCSI signal	146776-001	22H0168
Ext. SCSI-2 HDD (12")*	146776-004	20H8723
Daisy chain cbl (3') *	146776-003	20H8756
Internal SCSI-2 device	148728-001	61H8937
LED cables	148585-001	61H8934
Diskette drive signal	190746-001	66H7796
Dual AUI breakout	197134-001	20H8727
Ext. 100 to 50 pin cbl	142159-001	20H8724
Loop back cable*	142254-001	20H8725
Loop back cbl (NetFlex) *	142054-001	55H1088
DLT, 6', std to centronics	199714-001	61H8973
DLT, 6', wide to centronics	199780-001	61H8975
DLT, 18", daisy chain table top	199713-001	61H8972
DLT active terminator	199715-001	61H8974
50-pin to 68-pin adapter	189638-001	53H1431
* Proliant 1500R only		

System ROM	OEM Part	IBM Part
System ROMPaq	143198-001	20H8731
Option ROMPaq	142207-001	37H1204
Drive Backplane ROM	146705-001	20H8735