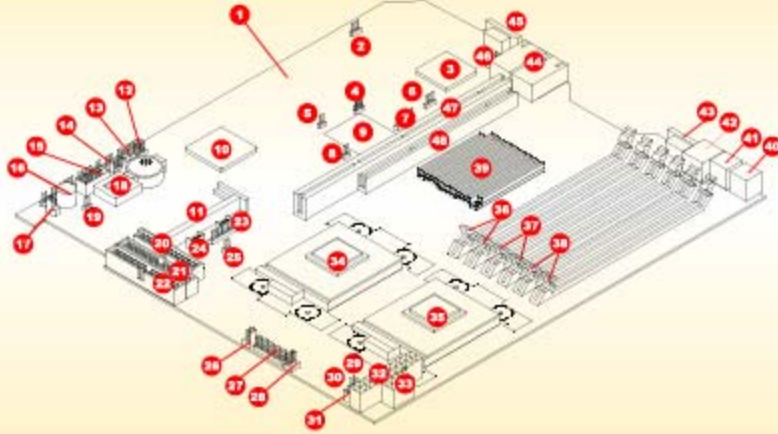


Motherboard Components



1 System board	19 JP35: speaker	34 CPU2 socket
2 JD4: Gb LAN ports enable/disable	20 Floppy connector	35 CPU1 socket
3 ATI rage XL graphic chip	21, 22 IDE#1, IDE# connectors	36 Memory bank 1
4, 5, 7, 8 JP10, JP11, JP12, JP13, JP14, JP15	23 SMB	37 Memory bank 2
9 P64H2	24 IPMB	38 Memory bank 3
10 ICH3	25 OHLED: overhear LED header	39 MCH
11 IPMI	26 CPU2 chassis FAN	40 J28: keyboard
12 JD1: speaker enable	27 JF2	41 J29: mouse
13 WOL: Wake-On-LAN header	28 CPU1 chassis FAN	42 USB0/1
14 WOR: Wake-On-Ring header	29 JP9: 3rd power supply	43 COM1
15 COM2	30 JP36: Third PS alarm reset switch	44 LAN2, LAN2
16 Speaker	31 JP8: Third PS Fail Header	45 VGA port
17 Chassis fan3	32 ATX Power	46 JP4: VGA enable/disable
18 BIOS	33 Secondary ATX Power	47, 48 PCI-X #2, PCI-X #1

* Note: Interleaved ECC registered memory requires DDR DIMMs to be installed in pairs
Specifications subject to change without notice. All other brands and names are the property of their respective owners.

P4DPR-iG2 Quick Reference

Jumpers	Description	Default Setting
JBT1	CMOS clear	Pins 1-2 (Normal)
JD1	Speaker enable (pins 6-7)	Closed (Enabled)
JP3	LAN1 enable/disable	Pins 1-2 (Enabled)
JD4	LAN2 enable/disable	Pins 1-2 (Enabled)
JP4	VGA enable/disable	Pins 1-2 (Enabled)
JP37/WD	Watchdog enable/disable	Open (Disabled)
JP36	Thermal fan enable/disable	Open (Disabled)
JP46	Chassis/overheat fan select	Closed (Chassis)

Rear Panel Functions



1. AC power connector
2. PS/2 mouse and keyboard port
3. 2 USB ports
4. COM1 port
5. 2 ethernet ports
6. 1 VGA port
7. PCI-X 66MHz expansion slot
8. PCI-X 133MHz expansion slot
9. PCI card release latch
10. PCI card release latch

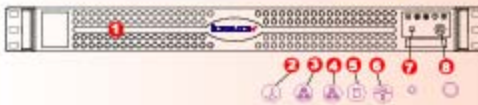
PCI-X Slot#1 Bus Speed Jumper Setting

Max. Freq.	JP14	JP15	JP15
PCI-X 133MHz	OFF	OFF	OFF
PCI-X 100MHz	OFF	ON	OFF
PCI-X 66MHz	OFF	ON	Pin 1-2
PCI 66MHz	OFF	ON	Pin 2-3

Gb LAN Bus Speed Jumper Setting

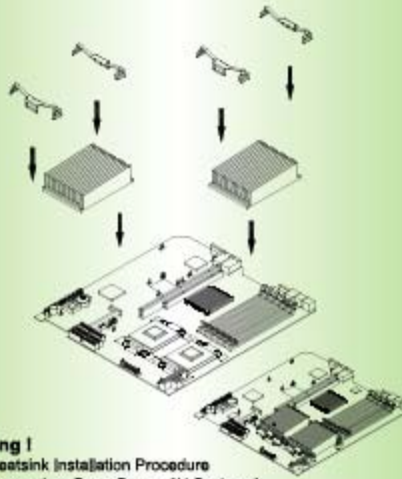
Bus Speed	JP10	JP11	JP12
133 MHz	OFF	OFF	OFF
100 MHz	OFF	ON	OFF
66 MHz	OFF	ON	Pin 1-2

Front Panel Functions



1. IDE drive bays (behind cover)
2. Overheat: Indicates an overheat condition in the system
3. NIC2: Indicates network activity on LAN2 when flashing
4. NIC1: Indicates network activity on LAN1 when flashing
5. HDD: Indicates IDE channel activity
6. Power: Indicates power is being supplied to the system's power supply units
7. System reset
8. Main power button

Cooling Fan Installation



Warning !

CPU Heatsink Installation Procedure (For Supermicro SuperServer 1U Systems)

Due to the fact that adequate air flow and proper thermal control are very critical in maintaining 1U system's stability and performance, it is imperative that the proper installation procedures listed below be followed in order to maximize system performance. This is especially critical for 1U dual Xeon processor server solutions.

- 1) Only those CPU heatsinks that are provided by Supermicro should be used.
- 2) Apply a small amount of silicon compound on the CPU's die.
- 3) Place the CPU heatsink on top of the CPU.
- 4) Attach the heatsink clips to the heatsink retention pieces, one on each side of the heatsink as shown in the diagram at right.
- 5) The three tabs on each heatsink retention pieces should completely protrude through the corresponding holes on the heatsink clips.

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To protect the system and components, it is essential that you reinstall the top panel after you have finished working on the system.