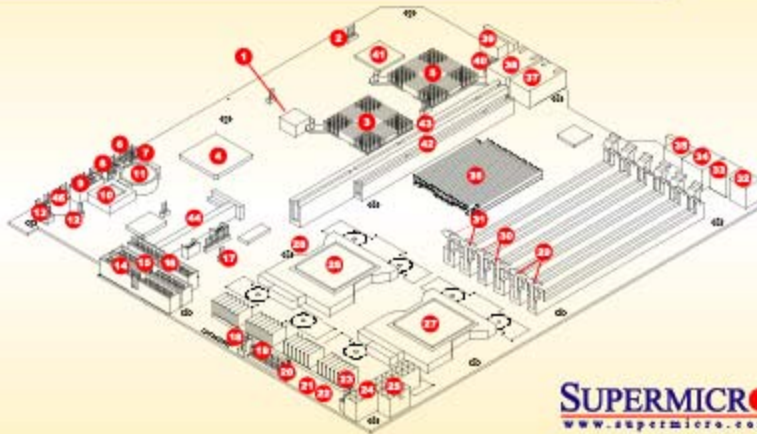


SuperServer 6013P-I Serverboard Components



SUPERMICRO
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1 X5DPR-IG2+ Serverboard	16 Floppy conn.	32 J28: Keyboard
2 JD4-LAN1/LAN2 Enable/Disable	17 Overheat LED	33 J29: Mouse
3 P64H2	18 CPU 2 chassis fan	34 USB 0/1
4 JCH3	19 JF2: Front Side Bus Speed	35 COM1
5 Intel 82546EB Gigabit controller	20 CPU1 chassis fan	36 MCH
6 JD1: JBT1/WD/R/C/R/USB2/PWRLED/SPKR	21 JP36: Alarm reset switch	37 Gigabit LAN
7 WOR: Wake-on-Ring header	22 JP9: Power fail alarm En/Disable	38 Gigabit LAN
8 WOL: Wake-on-LAN header	23 JP8: Third power supply fail header	39 VGA connector
9 COM2	24 ATX power conn.	40 JP4: VGA Enable/Disable
10 BIOS	25 J15: Secondary ATX power conn.	41 ATI Rage XL 8MB graphic chip
11 Battery	26 CPU 1 socket	42 Slim PCI-X slot
12 JP35: Keylock header	27 CPU 2 socket	43 PCI-X slot
13 Chassis fan 3	28 JP38: Front Side Bus Speed	44 IPMI socket
14, 15 IDE #1, IDE#2 conn.	29, 30, 31 Memory bank 1, bank 2, bank 3	46 Speaker

* Note: Interleaved ECC registered memory requires DDR DIMMs to be installed in pairs

Rear Panel Functions

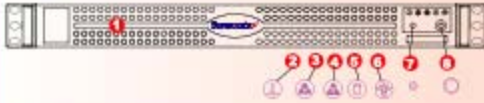


1. AC power connector
2. PS/2 mouse and keyboard port
3. 2 USB ports
4. COM1 port
5. 2 Ethernet ports
6. 1 VGA port
7. 1 Low-profile PCI-X/PCI expansion slot
8. 1 Standard PCI-X/PCI expansion slot
9. PCI-X/PCI card release latch

X5DPR-IG2+ Quik Reference

Jumpers	Description	Default Setting
JBT1	CMOS clear	Pad
JD1	Speaker enable (pins 6-7)	Closed (Enabled)
JD4	LAN2 enable/disable	Pins 1-2 (Enabled)
JP4	VGA enable/disable	Pins 1-2 (Enabled)
JP37/JD1	Watchdog enable/disable	Open (Disabled)
JP38	Front Side Bus Speed	Pins 1-2 (Auto)
JP8	Power Fail Alarm En/Disable	Open (Disabled)

Front Panel Functions



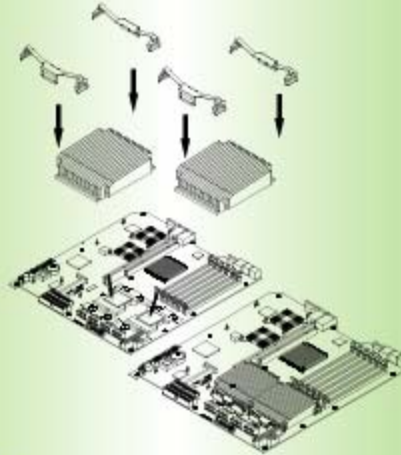
1. IDE drive bays (behind cover)
2. Overheat: Indicates an overheat condition in the system
3. NIC2: Indicates network activity on LAN2 when flashing
4. NIC1: Indicates network activity on LAN1 when flashing
5. HDD: Indicates IDE channel activity
6. Power: Indicates power is being supplied to the system's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

PCI-X Slot#1 Bus Speed Jumper Setting

Max. Freq.	JP14	JP15	JP13
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



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.

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