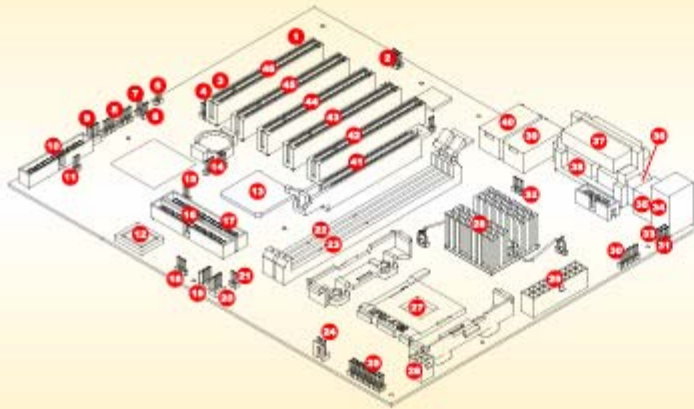


SuperServer 5013G-M Serverboard Components



1 Super P4SGE serverboard	16 IDE#1	31 JPWAKE: keyboard wake-up
2 JPL1/2: LAN1/2 enable/disable	17 IDE#2	32 JP1: front side bus speed
3 USB 4/5 ports	18 Power LED chassis fan 1	33 JPUSB: USB 0/1 wake-up
4 USB 2/3 ports	19 Chassis fan 1	34 Keyboard & mouse
5 JWOR1: Wake-On-Ring header	20 Overheat fan	35 USB 0/1 ports
6 JBT1: CMOS clear	21 JP3: fan select	36 COM1
7 JL1: Chassis intrusion header	22 DIMM #2	37 Parallel port
8 Speaker	23 DIMM #1	38 VGA port
9 Chassis fan 2	24 CPU fan header	39, 40 LAN1 & LAN2
10 Floppy connector	25 JF1: front control panel	41 4XAGP
11 JPA1:	26 J24: ATX 12V power connector	42 PCI#1 slot
12 BIOS	27 CPU socket	43 PCI#2 slot
13 ICH4	28 GMCH	44 PCI#3 slot
14 WOL: Wake-On-LAN	29 J21: ATX power connector	45 PCI#4 slot
15 JP2: Watch Dog enable	30 J12: Infrared port	46 PCI#5 slot

Rear Panel Functions



1. AC Power connector
2. PS/2 Mouse and Keyboard ports
3. 2 USB ports
4. 2 COM ports (1 internal)
5. 1 VGA port
6. 2 LAN ports
7. 64/32-bit Expansion slot
8. PCI Card Release Latch

P4SGE Quick Reference

Jumpers	Description	Default Setting
JBT1	CMOS Clear	Pad
JP1	Front Side Bus Speed	Pins 1-2 (Auto)
JP2	Watch Dog Enable	Open (disabled)
JP3	Fan Select	Open (OH fan)
JPL1	LAN1 Enable/Disable	Pins 1-2 (Enabled)
JPL2	LAN2 Enable/Disable	Pins 1-2 (Enabled)
JPUSB	USB 0/1 Wake-up	Pins 1-2 (Disabled)
JPWAKE	Keyboard Wake-up	Pins 1-2 (Disabled)

Front Panel Functions

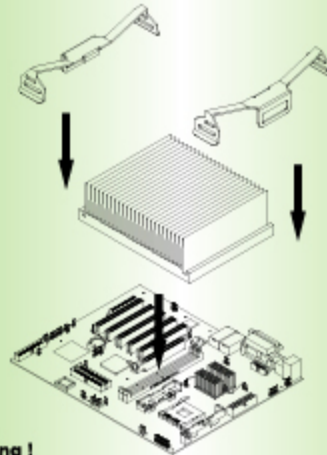


1. Slim CD-ROM drive
2. 2 Front side USB ports
3. 1 Slim floppy drive
4. Overheat: Indicates an overheat condition in the system
5. NIC2: Indicates network activity on LAN2 when flashing
6. NIC1: Indicates network activity on LAN1 when flashing
7. HDD: Indicates IDE channel & CD-ROM drive activity.
8. Power: Indicates power is being supplied to the system's power supply units
9. Power button
10. Reset button



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

Cooling Fan Installation



Warning ! CPU Heat Sink Installation Procedures (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 Processor Servers with speeds of 1 GHz and above.

- 1) Only those CPU heat sinks 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 heat sink on top of the CPU.
- 4) Place the heat sink spring on top of the CPU heat sink and secure the clip of the spring into its notch. (Make sure the clip position is the same as the picture shown above.)

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