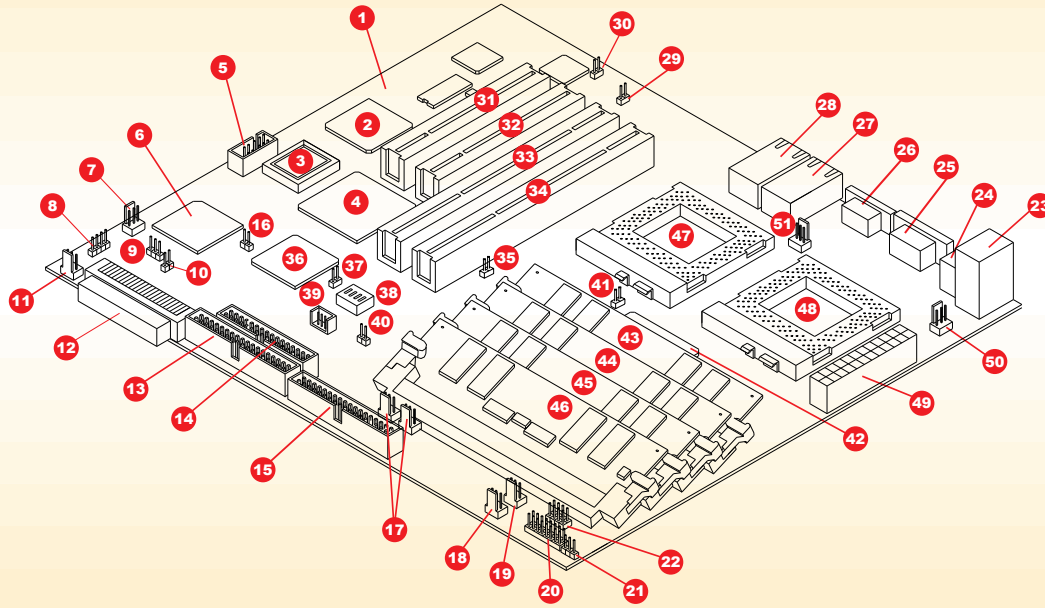


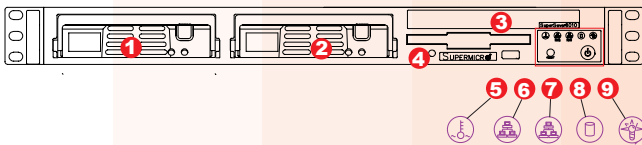
Motherboard Components



1 System Board	17 Chassis Fan	33 PCI64#2
2 ATI Rage XL	18 Blower Fan	34 PCI64#1
3 BIOS	19 Chassis Fan	35 JP13
4 South Bridge	20 JF1	36 AIC-7892
5 COM2	21 JP61	37 JP1
6 Super I/O	22 J105/J106 (USB4/USB3)	38 SW1
7 WOL	23 Mouse and Keyboard Connectors	39 JP11, JP12
8 SLED1	24 2 USB	40 JP7
9 JBT1	25 COM1	41 JP2
10 WOM	26 VGA	42 North Bridge
11 Overheat Fan	27 NIC1	43, 44, 45, 46 DIMM 0, 1, 2, 3
12 Ultra160 LVD SCSI	28 NIC2	47 CPU 1
13 IDE#2 Connector	29 JP24	48 CPU 2
14 Floppy Connector	30 JP8	49 ATX Power
15 IDE #1 connector	31 PCI 2	51 CPU Fan
16 J210	32 PCI 1	52 CPU Fan

* Note: E.C.C. registered memory type must be installed.

Front Panel Functions

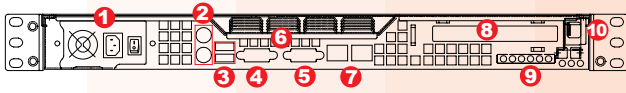


1. Hot-plug SCSI hard drive, SCSI ID 0
2. Hot-plug SCSI hard drive, SCSI ID 1
3. CD-ROM/diskette drive assembly
4. Floppy Drive
5. Overheat: Indicates an overheat condition in the system
6. NIC2: Indicates network activity on LAN2 when flashing
7. NIC1: Indicates network activity on LAN1 when flashing
8. HDD: Indicates IDE channel activity.
9. Power: Indicates power is being supplied to the system's power supply units

P3TDLR+ Quick Reference

Jumpers	Description	Default Setting
JBT1 <input type="checkbox"/>	CMOS Clear	Pin 1-2 (Normal)
JP1	SCSI	Pin 1-2 (Enabled)
JP2 <input type="checkbox"/>	Front Side Bus Speed	Pin 1-2 (CPU Select)
JP7 <input type="checkbox"/>	Overheat Alarm	Closed (Enabled)
JP8 <input type="checkbox"/>	NIC1 Enable/Disable	Open (Enabled)
JP11	Power Supply Fail	Pin 4 (Reset)
JP12	Power Supply Fail	Closed (Enabled)
JP13 <input type="checkbox"/>	Speed for 64-bit PCI	Closed (33 MHz)
JP24 <input type="checkbox"/>	NIC2 Enable/Disable	Open (Enabled)
JP62	Onboard VGA	Pin 1-2 (Enabled)
J210	Watchdog Reset	Open (Enabled)

Rear Panel Functions

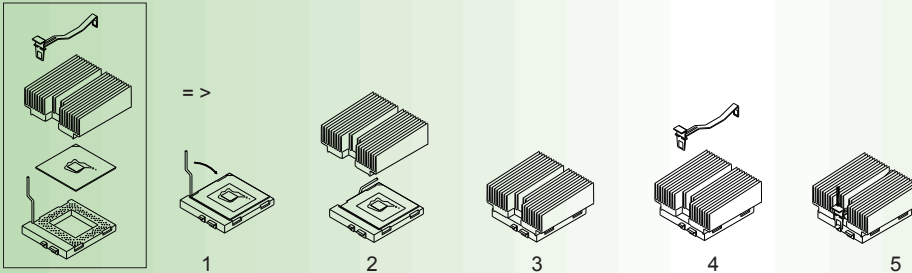


1. AC Power connector
2. PS/2 Mouse and Keyboard port
3. 2 USB ports
4. 2 COM ports (1 internal)
5. 1 VGA port
6. 1 Parallel port
7. 2 x Intel 82559 LAN port
8. 64/32-bit Expansion slot
9. External SCSI port
10. PCI Card Release Latch

CPU Core/Bus Ratio Selection (DIP Switch 1)

CPU	SW1 #1	SW1 #2	SW1 #3	SW1 #4
600/450	OFF	ON	OFF	ON
667/500	ON	OFF	OFF	ON
733/550	OFF	OFF	OFF	ON
800/600	ON	ON	ON	OFF
866/650	OFF	ON	ON	OFF
933/700	ON	OFF	ON	OFF
1G/750	OFF	OFF	ON	OFF
1.06G/800	ON	ON	OFF	OFF
1.13G/850	ON	OFF	ON	ON
1.20G/900	OFF	OFF	ON	ON
1.26G/950	OFF	ON	ON	ON
1.4G/1G	ON	ON	OFF	ON

Cooling Fan Installation



- 1) Only those CPU heat sinks that are provided by Supermicro should be used.
- 2) Apply proper 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 lock the backside of the spring into its notch.
- 5) Lock the front side of the heat sink spring into its notch.

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.

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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.