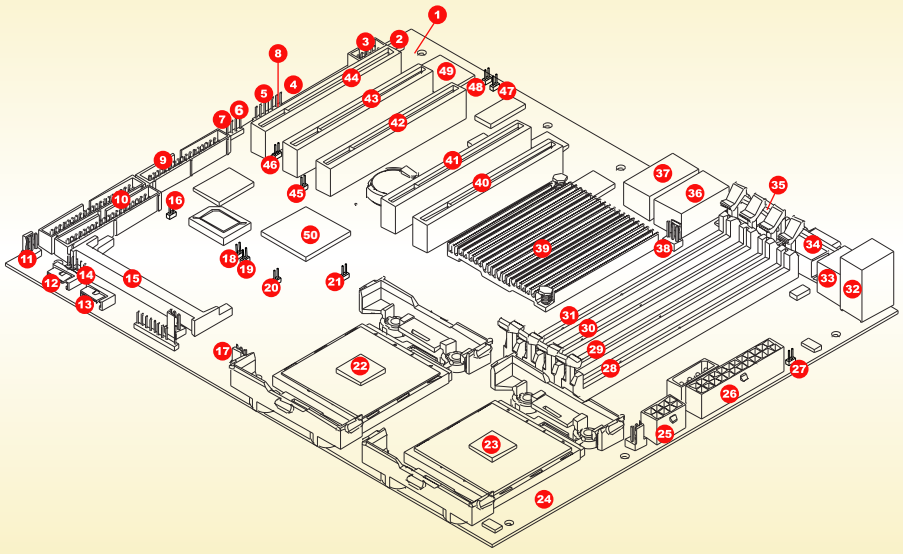
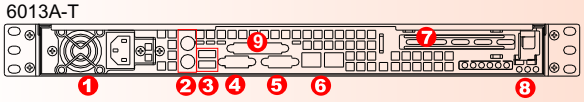
SuperServer 6013A-T Serverboard Components



1	Super X5DPA-TGM+ serverboard	18	J27: USB 4 port	35	VGA port
2	JP4: VGA Enable/Disable	19	JD2: USB 2/3 port	36	LAN port
3	J26: COM2 port	20	JP24: SMBUS	37	Gigabit LAN
4	JBT1: CMOS clear	21	JP39: CPU clock	38	Chassis Fan #5
5	JD1: PWR LED/Speaker header	22	CPU 2 socket	39	MCH: North bridge
6	WOR: Wake-on-Ring header	23	CPU 1 socket	40	PCI #1 slot
7	JL1: Chassis intrusion header	24	CPU fan #1	41	PCI #2 slot
8	Printer port	25	J15: 8-pin power connector	42	PCI #3 slot
9	Floppy port	26	ATX power connector	43	PCI #4 slot
10	IDE #1 & IDE#2 ports	27	JP40: Force power on	44	PCI #5 slot
11	Chassis fan #4	28	DIMM #1A socket	45	JP41: Watch dog
12	SATA #1 port	29	DIMM #1B socket	46	J12: SMBUS header
13	SATA #2 port	30	DIMM #2A socket	47	JP3: LAN Enable/Disable
14	J5: SATA LED header	31	DIMM #2B socket	48	JP6: Gigabit LAN Enable/Disable
15	IPMI port	32	Keyboard & mouse	49	VGA chip
16	JP35: Keylock switch connector	33	USB 0/1 port	50	ICH5R: South bridge
17	CPU fan #2	34	COM1 port		

Rear Panel Functions

6013A-T



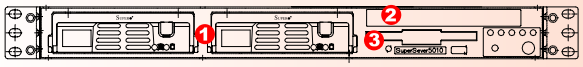
1. AC Power connector
2. PS/2 Mouse and Keyboard ports
3. 2 USB ports
4. 2 COM ports (1 internal)
5. 1 VGA port
6. 2 LAN ports
7. 32-bit Expansion slot
8. PCI Card Release Latch

X5DPA-TGM+ Quick Reference

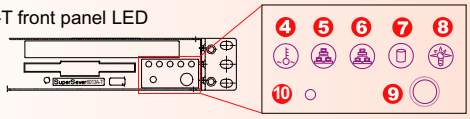
Jumpers	Description	Default Setting
J12	SMBus header	Pins 1-2, 3-4 (Enabled)
JBT1	CMOS clear	Pins 1-2 (Normal)
JD1	PWR LED/Speaker Header	Pins 6-7 (Enabled)
JP3	LAN Enable/Disable	Pins 1-2 (Enabled)
JP6	GLAN Enable/Disable	Pins 1-2 (Enabled)
JP4	VGA Enable/Disable	Pins 1-2 (Enabled)
JP39	CPU Clock	Pins 1-2 (Auto)
JP40	Force Power On	Open (Disabled)
JP41	Watch Dog	Pins 1-2 (Reset)

Front Panel Functions

6013A-T



6013A-T front panel LED



1. Hot-swap Serial ATA drive bays
2. CD-ROM/diskette drive assembly
3. 1 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 HD drive activity.
8. Power: Indicates power is being supplied to the system's power supply units
9. Power button
10. Reset button

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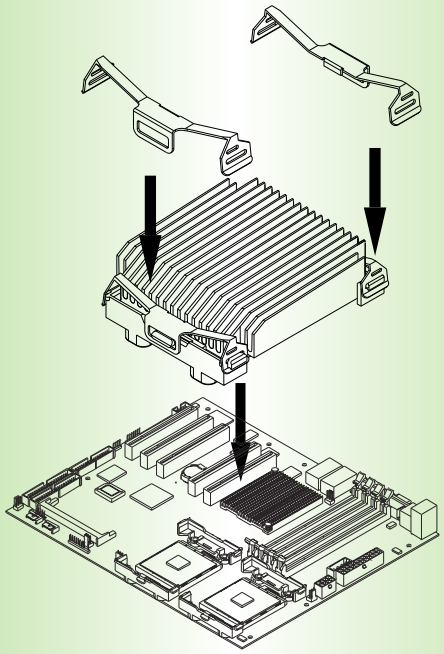
Cooling Fan Installation



Warning !

CPU Heatsnk Installation Procedures
(for Supermicro SuperServer 1U systems)

Since adequate air flow and proper thermal control are very critical in maintaining a 1U system's stability and performance, it is imperative that the proper installation procedures listed below be followed in order to maximize system performance.

1) Only CPU heatsinks that are provided by Supermicro should used.
2) Apply a small amount of silicon compound on the CPU's die, if needed
3) Place the CPU heatsink spring on the top of the CPU heatsink and secure the clip of the spring into its notch. (Make sure that the clip position is the same as in the picture shown above.)

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