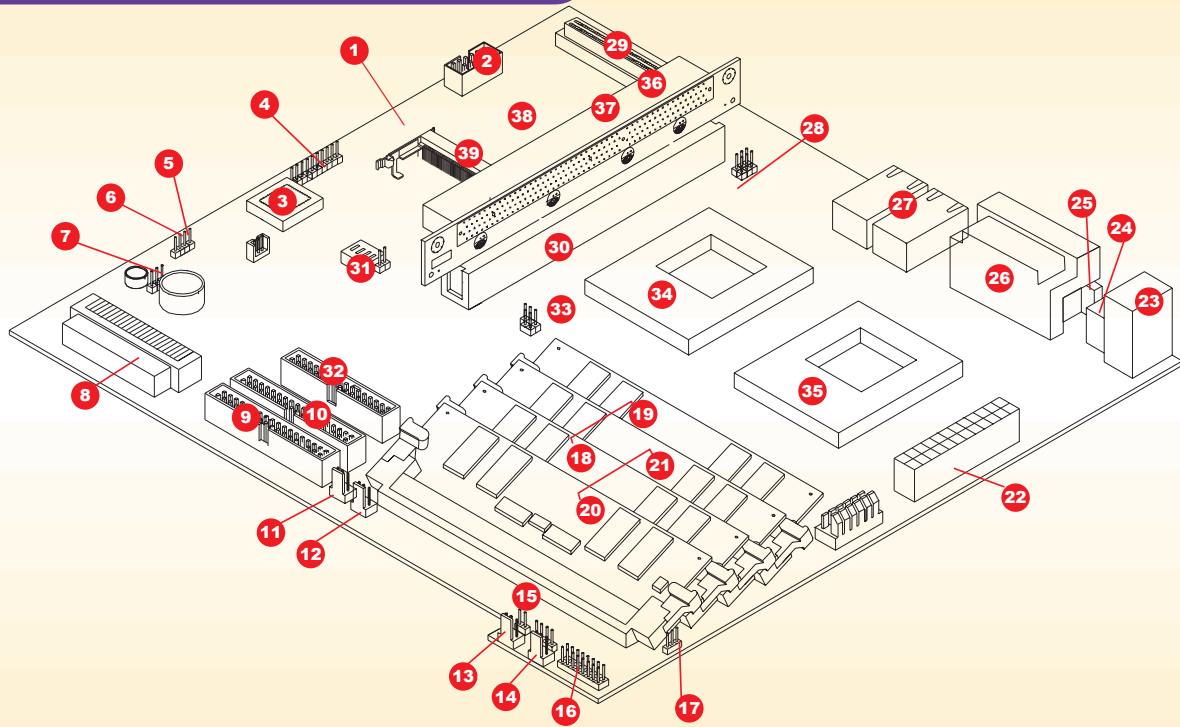


Motherboard Components



1	System board	14	Chassis fan	28	JP68
2	COM2 header	15	JP65 THRM fan	29	Ultra160 LVD SCSI Ch B
3	JA2, JA4 SCSI termination	16	JF1 control panel header	30	PCI riser card
4	BIOS chip	17	JP72	31	SW1
5	JP73	18,19	* Bank 0 memory modules	32	Floppy connector
6	JP56 onboard speaker disable/enable	20, 21	* Bank 1 memory modules	33	JP1, JP3 header
7	JBT1	22	Primary power connector	34	CPU#2 socket
8	Ultra160 LVD SCSI Ch A	23	Mouse and keyboard ports	35	CPU#1 socket
9, 10	IDE #1, IDE#2 connector	24	2 USB ports	36	JP58
11	Chassis fan	25	COM1, VGA ports	37	JP62
12	CPU2 chassis fan	26	Printer port	38	JP64
13	CPU1 chassis fan	27	LAN1, LAN2	39	RAID port

* Note: Interleaved ECC registered memory type must be installed in pairs: slots 18 + 19 and 20 + 21

P3TDER+ Quick Reference

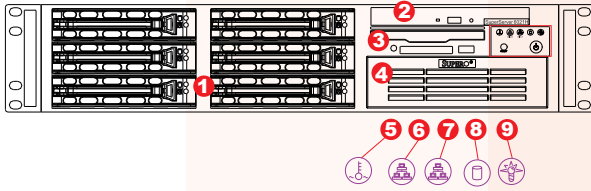
Jumpers	Description	Default Setting
JA2	LVD SCSI Ch A term.	Open (Enabled)
JA4	LVD SCSI Ch B term.	Open (Enabled)
JBT1	CMOS clear	Pins 1-2 (Normal)
JP1	FSB speed setting	Pins 1-2 (Auto)
JP3	Spread spectrum	Open (Disabled)
JP56	Speaker enable/disable	Closed (Enabled)
JP58	LAN1 enable/disable	Pins 1-2 (Enabled)
JP62	LAN2 enable/disable	Pins 1-2 (Enabled)
JP64	SCSI enable/disable	Pins 1-2 (Enabled)
JP65	Thermal fan enable/disable	Closed (Enabled)
JP68	VGA enable/disable	Pins 1-2 (Enabled)
JP72	CPU/CPU chassis fan select	Open (Chassis Fan)
JP73	Watchdog enable/disable	Open (Disabled)

CPU Core/Bus Ratio Selection (DIP Switch 1)

CPU Core/ Bus Ratio**	SW1 #4	SW1 #3	SW1 #2	SW1 #1
500-666	ON	OFF	OFF	ON
555-733	ON	OFF	OFF	OFF
600-800	OFF	ON	ON	ON
650-866	OFF	ON	ON	OFF
700-933	OFF	ON	OFF	ON
750-1000	OFF	ON	OFF	OFF
800-1064	OFF	OFF	ON	ON
850-1130	ON	ON	OFF	ON
900-1200	ON	ON	OFF	OFF
950-1260	ON	ON	ON	OFF
1000-1330	OFF	OFF	ON	OFF
1050-1400	ON	OFF	ON	ON

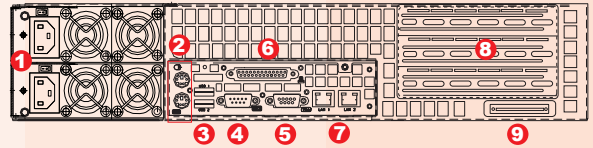
** Number on left is for 100 MHz FSB speed and number on right is for 133 MHz FSB speed

Front Panel Functions



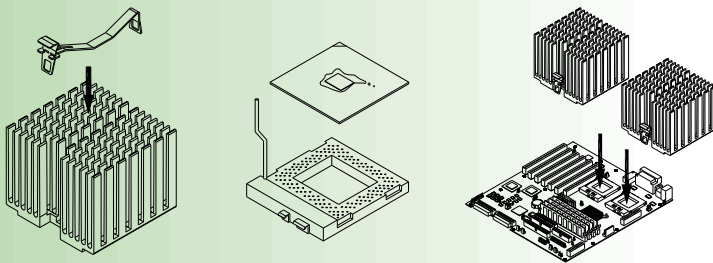
1. 6 SCA Ultra160 hot-swap drive bays
2. 1 Slim CD-ROM drive
3. Floppy Drive
4. 1 x 5.25" drive bay
5. Overheat: Indicates an overheat condition in the system
6. NIC2: Indicates network activity on LAN2 when flashing
7. NIC1: Indicates network activity on LAN1 when flashing
8. HDD: Indicates IDE channel activity
9. Power: Indicates power is being supplied to the system's power supply units

Rear Panel Functions



1. AC power connector
2. PS/2 mouse and keyboard ports
3. 2 USB ports
4. COM 1 port
5. VGA port
6. Parallel port
7. 2 x Intel 82550 LAN ports
8. 3 full-length PCI slots
9. External high density SCSI port

Cooling Fan Installation



Warning !

CPU Heatsink Installation Procedures
(For Supermicro SuperServer 2U Systems)

Due to the fact that adequate air flow and proper thermal control are very critical in maintaining 2U system stability and performance, it is imperative that the proper installation procedures listed on the left be followed in order to maximize system performance. This is especially critical for 2U Dual Processor Servers with CPU speeds of 1 GHz and above.

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