

SUPERMICRO® SuperServer 5017C-TF Quick Reference Guide

Board Layout

No.	Description
1	Slot4 PCI-E 2.0 x4 on x8 slot
2	Slot5 PCI-E 2.0 x4 on x8 slot
3	Slot6 PCI-E 2.0 x8
4	Slot7 PCI-E 2.0 x8
5	CPU1
6	DIMM1A / DIMM2A (Blue Slot)
7	DIMM1B / DIMM2B (Blue Slot)
8	SATA 3.0 (0/1 Ports)
9	JWF1 = SATA DOM Power Connector
10	SATA 2.0 (2/3/4/5 Ports)
11	JBT1 = CMOS Clear

Beep Codes

BIOS Error Beep Codes		
Beep Code/LED	Error Message	Description
1 beep	Refresh	Circuits have been reset. (Ready to power up)
5 short beeps + 1 long beep	Memory error	No memory detected in the system
8 beeps	Display memory read/write error	Video adapter missing or with faulty memory
OH LED On	System OH	System Overheat

MEMORY

DIMM2B (Blue Slot)

DIMM1B

DIMM2A (Blue Slot)

DIMM1A

Recommended Population (Balanced)

DIMM2A Slot	DIMM2B Slot	DIMM1A Slot	DIMM1B Slot	Total System Memory
2GB DIMM	2GB DIMM			4GB
2GB DIMM	2GB DIMM	2GB DIMM	2GB DIMM	8GB
4GB DIMM	4GB DIMM			8GB
4GB DIMM	4GB DIMM	4GB DIMM	4GB DIMM	16GB
8GB DIMM	8GB DIMM			16GB
8GB DIMM	8GB DIMM	8GB DIMM	8GB DIMM	32GB

Drive Installation

SATA Drive Installation

The Serial ATA drives are mounted in drive carriers to simplify their installation and removal from the chassis. These carriers also help promote proper air Serial ATA drive bays. For this reason, even empty carriers without Serial ATA drives installed must remain in the chassis.

Installing a SATA Drive

- To remove a drive carrier, first push the release button located beside the drive LEDs, then swing the colored handle fully out and use it to pull the unit straight out
- Install a drive into the carrier with the printed circuit board side toward the carrier so that the mounting holes align with those in the carrier.
- Secure the drive to the carrier with four screws, as shown.

Enterprise Hard Disk Drives

Enterprise level hard disk drives are recommended for use in Supermicro chassis and servers. For information on recommended HDDs, visit the Supermicro Web site at <http://www.supermicro.com/products/nfo/storage.cfm>

Important: Regardless of how many SATA drives are installed, both drive carriers must remain in the drive bays to maintain proper airflow.

Caution: Use caution when working around the SATA backplane. Do not touch the backplane with any metal objects and make sure no ribbon cables touch the backplane or obstruct the holes, which aid in proper airflow.

Front View & Interface

No.	Description
1	Power Button
2	Reset Button
3	Power LED
4	Device Activity LED
5	LAN1 LED & LAN2 LED
6	Overheat & Fan Fail LED
7	Hard Drive Signal
8	Hard Drive Fail

Rear View

No.	Description
1	PCI-E Expansion Slot
2	GbE LAN2 Port
3	GbE LAN1 Port
4	VGA Port
5	COM1 Port
6	USB 0/1 Ports
7	PS2 keyboard (purple) & Mouse (green) Ports
8	Dedicated LAN for IPMI
9	Single Power Supply Module

CPU Installation

NOTE: Do not bend pin inside socket

Heatsink Installation

Screw #C
Screw #A
Screw #B
Screw #D

- Place heatsink on top of installed CPU
- Line up the four screws to socket
- Push down heatsink and screw down as shown (cross pattern, in order: A, C, B, D)
- NOTE: Only use 6-8 lb/in of torque; otherwise, hand-tighten each screw, to avoid damaging the system

Caution

SAFETY INFORMATION
IMPORTANT: See installation instructions and safety warning before connecting system to power supply.
http://www.supermicro.com/about/policies/safety_information.cfm

WARNING:
To reduce risk of electric shock/damage to equipment, disconnect power from server by disconnecting all power cords from electrical outlets.
If any CPU socket empty, install protective plastic CPU cap

CAUTION:
Always be sure all power supplies for this system have the same power output. If mixed power supplies are installed, the system will not operate.

For more information go to :
<http://www.supermicro.com/support>

<http://www.supermicro.com>

MNL-1291-QRG