

# SUPERMICRO® SuperServer 5019C-MHN2 Quick Reference Guide

### Board Layout

### Rear I/O Ports

No.	Description	No.	Description
1	IPMI LAN	6	DVI-I
2	USB Ports (3.1 Type A)	7	DisplayPort 1 and 2
3	USB Ports (3.1 Type C)	8	Line Out
4	LAN Ports	9	Mic In
5	VGA	10	UID Switch

### Front View & Interface

No.	Feature	Description
1	SATA HDD	Hot-swap 3.5" SATA hard disk drive
2	DVD Drive	Front access DVD drive bay (optional)
3	Two USB 3.0 and COM Port	A front control panel (optional)
4	Control Panel	Front control panel with LEDs and buttons
5	Rack Ear Brackets	Attaches server chassis to the rack

### Rear View

No.	Feature	Description
1	Power Supply	Single 350W Platinum Level power supply
2	I/O Backpanel	Rear I/O ports
3	Expansion Card Slot	Slot for one expansion card (requires pre-installed riser card)
4	Rack Ear Brackets	Attaches server chassis to the rack

## Serial ATA Drive Installation

### Mounting a Drive in a Drive Carrier

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

1. Install a new drive into the carrier with the printed circuit board side facing down so that the mounting holes align with those in the carrier.
2. Secure the drive to the carrier with six screws, as shown.

### Installing/Removing SATA Drives

1. To remove a carrier, push the release button located beside the drive LEDs.
2. Swing the colored handle fully and use it to pull the unit straight out.

## Beep Code

BIOS Beep (POST) Codes	
Beep Code	Description
1 beep	Circuits have been reset (Ready to power up)
5 short, 1 long	No memory detected in system
5 long, 2 short	Video adapter missing or with faulty memory
1 long continuous	System overheat condition

### CPU Installation

CPU properly installed

Load lever locked into place.

### Heatsink Installation

1. Place heatsink on top of installed CPU.

2. Line up the four screws to socket.

3. Push down heatsink and screw down as shown (cross pattern, in order: A, C, B, D)

4. 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](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.

### WARNING:

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>

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