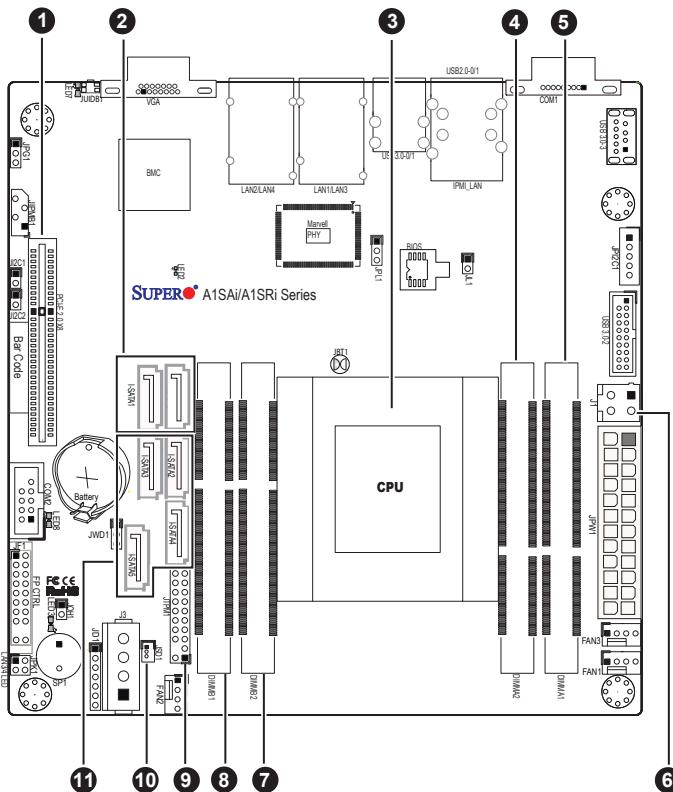


# SUPERMICRO® SuperServer 5018A-FTN4 Quick Reference Guide

## Board Layout



No.	Description
1	PCI-E 2.0 x8 Slot
2	I-SATA0 ~ I-SATA1: SATA 2.0 port
3	Embedded CPU
4	SO-DIMMA2 Memory Slot
5	SO-DIMMA1 Memory Slot
6	J1: 4-pin 12V DC power connector (Do NOT plug the power supply into this connector)
7	SO-DIMMB2 Memory Slot
8	SO-DIMMB1 Memory Slot
9	JTPM = TPM (Trusted Platform Management) Header
10	JSD1 = SATA Disk on Module (DOM) Power
11	I-SATA2 ~ I-SATA5: SATA 2.0 Ports

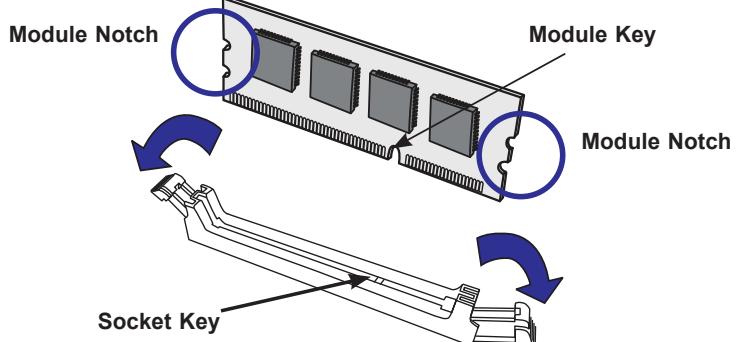
## Beep Codes

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

### How to Install SO DIMM

1. Install the desired number of DIMMs into the memory slots, starting with DIMMA1, then DIMMB1, then DIMMA2, then DIMMB2.
2. Position the SO-DIMM module's bottom key so that it aligns with the receptive point on the slot.
3. Insert the SO-DIMM module vertically at about a 45 degree angle.
4. Press down until the module locks into place. The side clips will automatically secure the SO DIMM module, locking it into place.
5. To remove: Use your thumbs to gently push the side clips near both ends away from the module. This should release it from the slot. Pull the SO DIMM module upwards.



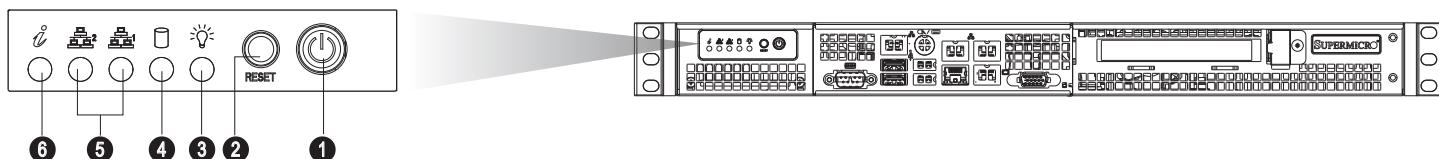
### Memory Population Guidelines

Please follow the table below when populating memory slots.

Unbuffered DDR3 ECC SODIMM Memory				
DIMM Slots per Channel	DIMMs Populated per Channel	DIMM Type	POR Speeds	Memory Population Sequence
2	1	Unbuffered DDR3 SODIMM	1600,1333	A1, B1 (2 DIMMs)
2	2	Unbuffered DDR3 SODIMM	1600,1333	A1, B1, A2, B2 (4 DIMMs)

**Note:** Use memory modules of the same type, speed, frequency and size.

## Front View & Interface



No.	Description
1	Power Button
2	Reset Button
3	Power LED
4	Device Activity LED
5	LAN1 LED & LAN2 LED
6	Information LED

Informational LED	
Status	Description
Continuously on and red	An overheat condition has occurred. (This may be caused by cable congestion.)
Blinking red (1Hz)	Fan failure, check for an inoperative fan.
Blinking red (0.25Hz)	Power failure, check for a non-operational power supply.
Solid blue	Local UID has been activated. Use this function to locate the server in a rack mount environment.
Blinking blue (300 mSEC)	Remote UID is on. Use this function to identify the server from a remote location.

## Drive bay Installation/Removal

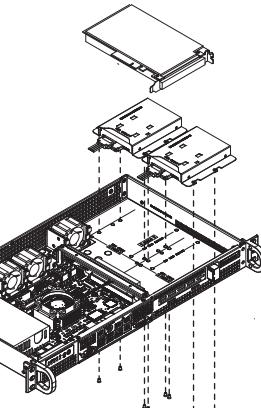
### Installing 2.5" SATA Drives

1. Power down the server, disconnect the power cord from the power supply and remove the cover.
2. Install the hard drives into the hard drive brackets and secure them to the bracket with the screws provided.
3. Place the hard drives and brackets into the chassis. Orient two or more drives with the cable connections facing the left of the chassis.
4. Secure the hard drive brackets to the chassis floor by inserting the screws up through the underside of the chassis.
5. Connect the hard drive wiring.
6. Reinstall the chassis cover and power cord, then power up the server.

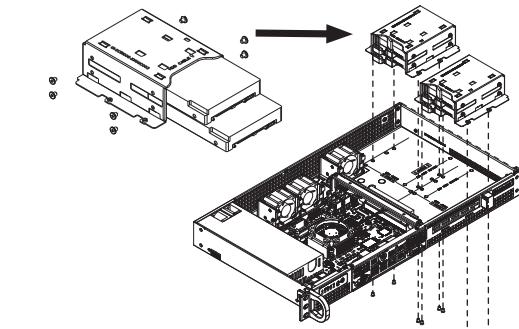
Bracket ordering information:

- For single drive height, part # MCP-220-00051-0N
- For double drive height, part # MCP-220-00044-0N

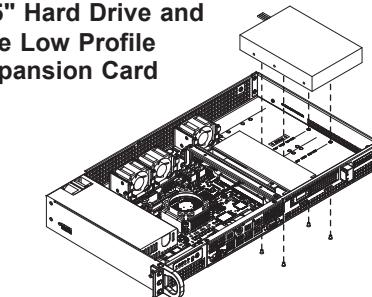
### Two 2.5" Hard Drives and One Full-Height, Half-Length Expansion Card



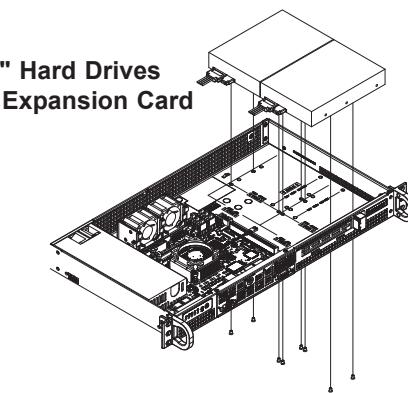
### Two 2.5" HDDs in Double Bracket (Four HDDs Total, No Expansion Card)



### One 3.5" Hard Drive and one Low Profile Expansion Card



### Two 3.5" Hard Drives and No Expansion Card



## 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

### 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>

