

SUPERMICRO® SuperServer 5019C-M4L Quick Reference Guide

Board Layout

| No. | Description |
|-----|--------------------------------------|
| 1 | PCI-E 3.0 x16 |
| 2 | DIMMA1/DIMMA2 (Blue Slot) |
| 3 | DIMMB1/DIMMB2 (Blue Slot) |
| 4 | LAN 1-4 |
| 5 | CPU |
| 6 | M.2 Slot for PCI-E 3.0 x4 |
| 7 | I-SATA 45SATA 3.0 Connector |
| 8 | JSD1 & JSD2 SATA DOM Power connector |
| 9 | I-SATA 0-3 SATA 3.0 Connector |

Memory

| Memory Module Population | | | | | | |
|--------------------------|---------------------|------------|----------------|-------------|---------|-------------------|
| DIMM Slots per Channel | DIMM Type | POR Speeds | Ranks per DIMM | Layer Count | FW Base | Supported Voltage |
| 2 | Unbuffered DDR4 ECC | 2666 | SR, DR | 6 | SPS | 1.2V1 |

| Memory Module Population | | |
|--------------------------|---------------------|----------------------|
| Max Memory Possible | 4GB DRAM Technology | POR Speeds |
| Single Rank UDIMM | 16GB (4x 4GB DIMMs) | 32GB (4x 8GB DIMMs) |
| Dual Rank UDIMM | 32GB (4x 8GB DIMMs) | 64GB (4x 16GB DIMMs) |

Populating these DIMM modules with a pair of memory modules of the same type and same size will result in interleaved memory, which will improve memory performance

(Blue Slot) DIMMB2
 DIMMB1
 (Blue Slot) DIMMA2
 DIMMA1

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 |

Rear View

| No. | Description |
|-----|-------------------------------------|
| 1 | PCI-E Expansion Slot (w/Riser card) |
| 2 | UID Button |
| 3 | GbE LAN4 port |
| 4 | GbE LAN3 port |
| 5 | GbE LAN2 port |
| 6 | GbE LAN1 port |
| 7 | USB 3/4/5/6 Ports |
| 8 | VGA port |
| 9 | Dedicated LAN for IPMI |
| 10 | Single Power Supply Module |

CPU Installation

CPU properly installed
 Load lever locked into place.

Heatsink Installation

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

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

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.

Serial ATA Drive Installation

1. First power down the system and then remove the top cover of the chassis.
 2. Secure the drive to the tray with the four screws.
 3. Replace the top cover when finished.

Note: the 5019C-M4L can accommodate two internal SATA hard drives, one on each side of the fans.

! 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>

Beep Code

| 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 |

<http://www.supermicro.com> MNL-2153-QRG  Rev 1.0