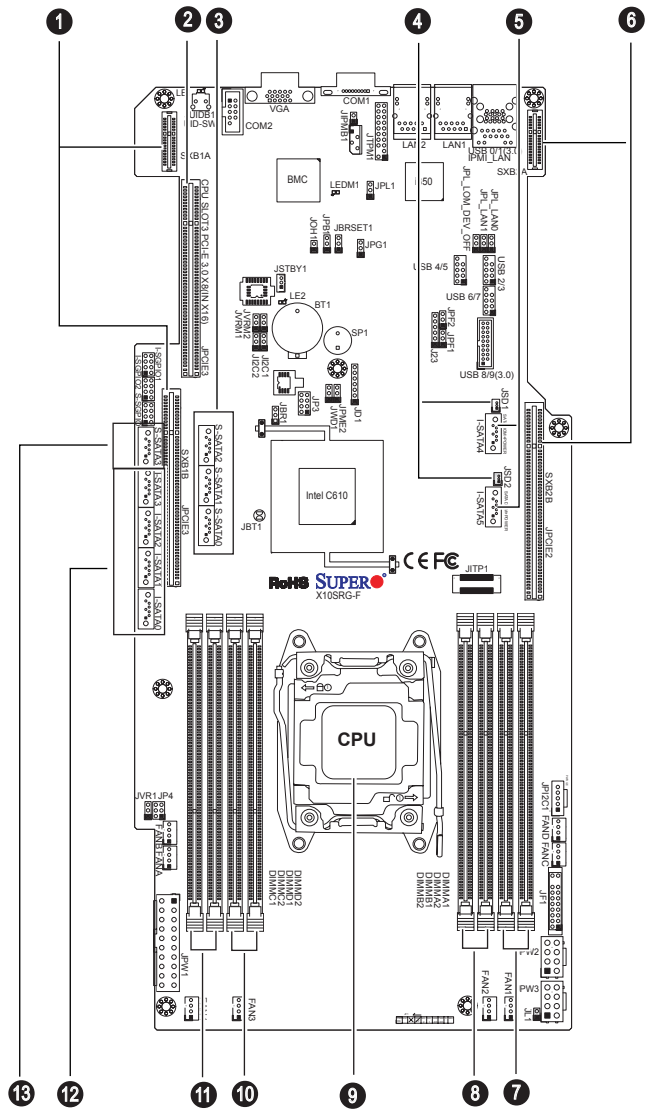


SUPERMICR® SuperServer 1018GR-T/5018GR-T Quick Reference Guide

Board Layout



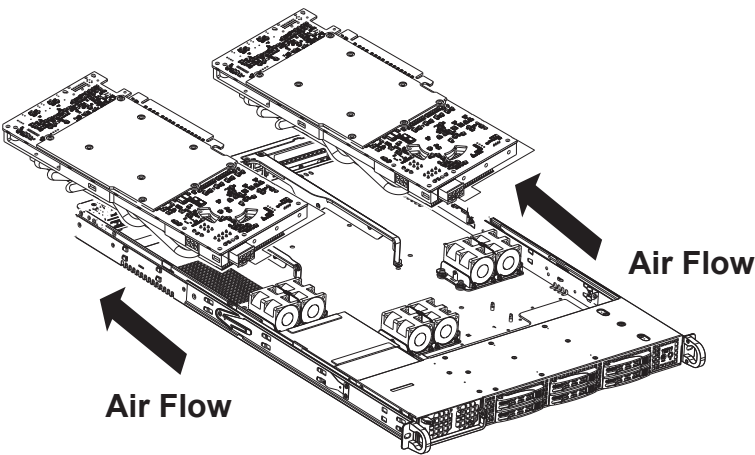
No.	Description
1	SXB1B, SXB2B: Slot for Supermicro riser card P/N RSC-R1UG-E16-UP, RSC-R1UG-2E8G-UP
2	CPU Slot3 PCI-E 3.0 x8 (in x16)
3	S-SATA0 ~ S-SATA2: SATA 3.0 Connectors via PCH (6Gb/s)
4	JSD1/JSD2: SATA Disk On Module (DOM) Power Connector
5	I-SATA4 ~ I-SATA5: SATA 3.0 Connectors via Intel (6Gb/s)
6	SXB2A, SXB2B: Slot for Supermicro riser card P/N RSC-R1UG-E16R-UP, RSC-R1UG-2E8GR-UP
7	DIMMA1/DIMMA2
8	DIMMB1/DIMMB2
9	CPU
10	DIMMD1/DIMMD2
11	DIMMC1/DIMMC2
12	I-SATA0 ~ I-SATA3: SATA 3.0 Ports via Intel (6Gb/s)
13	S-SATA3

Memory

Populating RDIMM/LRDIMM DDR4 Memory Modules							
Type	Ranks Per DIMM and Data Width	DIMM Capacity (GB)		Speed (MT/s); Voltage (V); Slots per Channel (SPC) and DIMMs per Channel (DPC)			
				2 Slots per Channel			
				1 DPC		2 DPC	
		E5-2600 V3	E5-2600 V4	E5-2600 V3	E5-2600 V4		
		4 Gb	8 Gb	1.2 V	1.2 V	1.2 V	1.2 V
RDIMM	SRx4	8 GB	16 GB	2133	2400	1866	2133
RDIMM	SRx8	4 GB	8 GB	2133	2400	1866	2133
RDIMM	DRx8	8 GB	16 GB	2133	2400	1866	2133
RDIMM	DRx4	16 GB	32 GB	2133	2400	1866	2133
LRDIMM	QRx4	32 GB	64 GB	2133	2400	2133	2400
LRDIMM 3DS	8Rx4	64 GB	128 GB	2133	2400	2133	2400

Note: Up to 1 TB ECC 3DS LRDIMM
Up to 512 GB ECC LRDIMM
Up to 256 GB ECC RDIMM

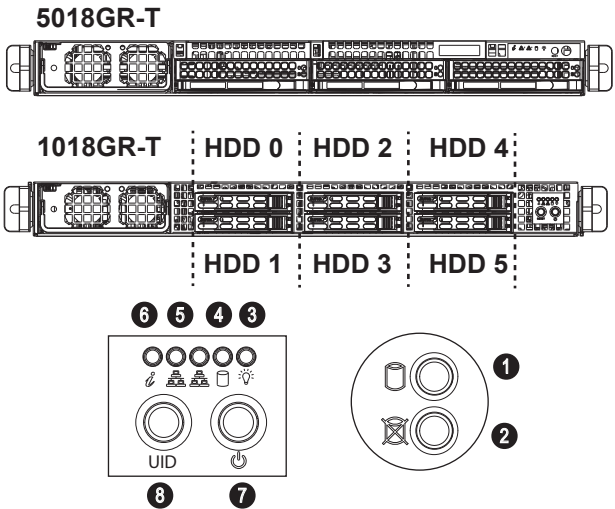
Installing Graphics (GPU) Cards



In order to install NVIDIA GPU in the system.
1. Remove the riser card with bracket.
2. Install the GPU onto the riser card.
3. Install the NVIDIA bracket(MCP-240-00132-0N) included in the accessory box.
4. Install the riser card with GPU back onto chassis.
5. Secure the GPU with the bracket.

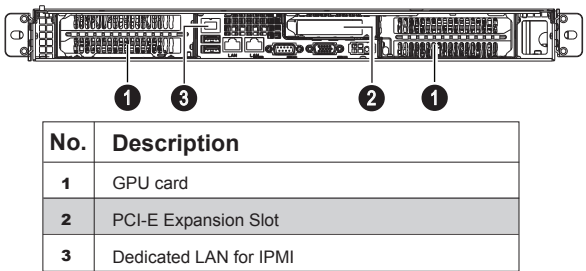
Note: The air flow for GPU on this system is always from right to left (Arrow pointing toward Tesla Logo).

Front View & Interface



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

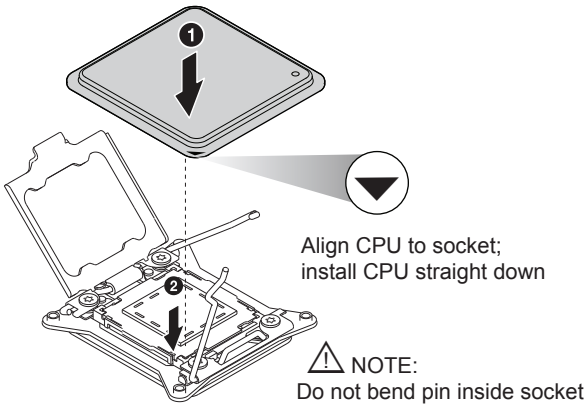
Rear View



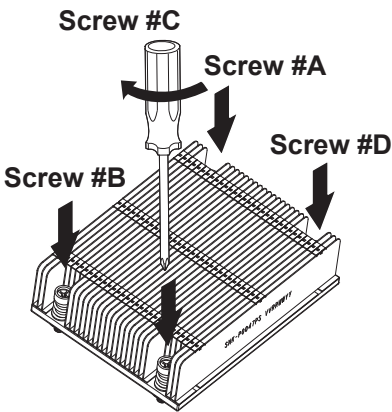
Beep Codes

Beep Code	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
1 long beep + 8 short beeps	Display memory read/write error or no video	No video display, video adapter missing or with faulty memory
Continuous high (pitch) + low (pitch)	System Overheat	System overheat

CPU Installation



Heatsink Installation



- 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/f 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>

