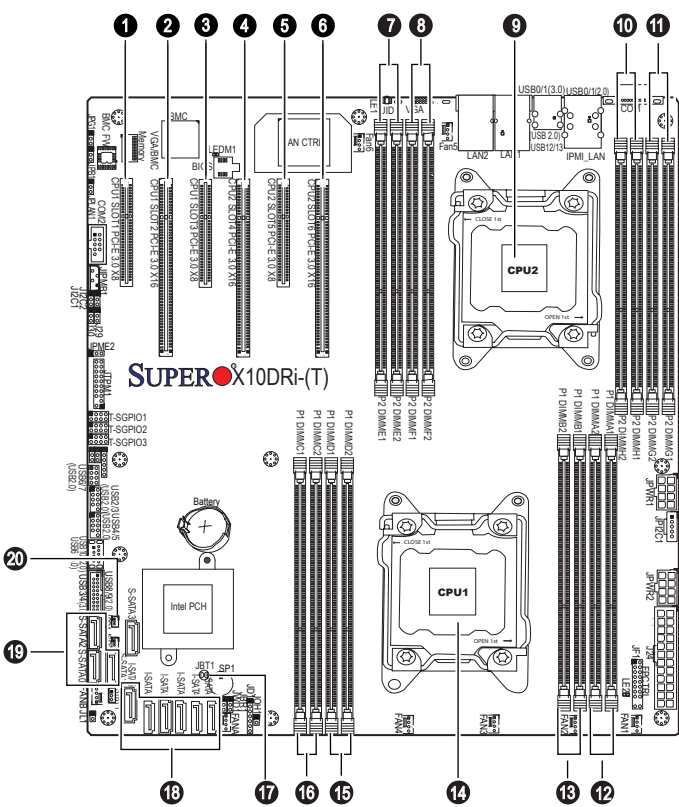


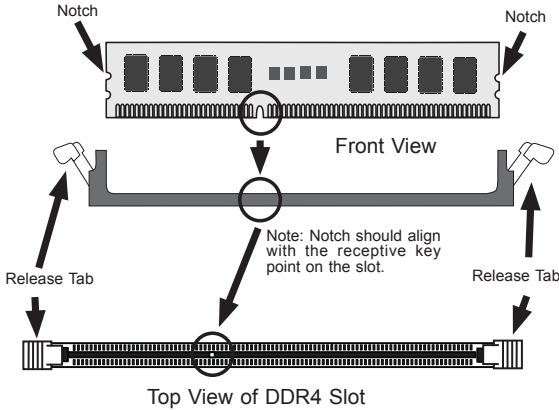
SUPERMICR SuperServer 7048R-TRT/TR Quick Reference Guide

Board Layout



No.	Description
1	CPU1 Slot1 PCI-E 3.0 x8
2	CPU1 Slot2 PCI-E 3.0 x16
3	CPU1 Slot3 PCI-E 3.0 x8
4	CPU2 Slot4 PCI-E 3.0 x16
5	CPU2 Slot5 PCI-E 3.0 x8
6	CPU2 Slot6 PCI-E 3.0 x16
7	P2-DIMME1/P2-DIMME2 slot
8	P2-DIMMF1/P2-DIMMF2 slot
9	CPU2
10	P2-DIMMH1/P2-DIMMH2 slot
11	P2-DIMMG1/P2-DIMMG2 slot
12	P1-DIMMA1/P1-DIMMA2 slot
13	P1-DIMMB1/P1-DIMMB2 slot
14	CPU1 (Install CP1 first)
15	P1-DIMMD1/P1-DIMMD2 slot
16	P1-DIMMC1/P1-DIMMC2 slot
17	JBT1 = Clear CMOS
18	(I-)SATA 0~5 = SATA 3.0 Connectors supported by Intel PCH SATA DOM Ports 4 & 5 (Yellow)
19	(S-)SATA 0~3 = SATA 3.0 Connectors supported by Intel SCU
20	JSD1 & JSD2 = SATA Device Power Connector

MEMORY



Processors and their Corresponding Memory Modules								
CPU#	Corresponding DIMM Modules							
CPU1	P1-A1	P1-B1	P1-C1	P1-D1	P1-A2	P1-B2	P1-C2	P1-D2
CPU2	P2-E1	P2-F1	P2-G1	P2-H1	P2-E2	P2-F2	P2-G2	P2-H2

Processor and Memory Module Population	
Number of CPUs+DIMMs	CPU and Memory Population Configuration Table (*For memory to work proper, please install DIMMs in pairs)
1 CPU & 2 DIMMs	CPU1 P1-A1/P1-B1
1 CPU & 4 DIMMs	CPU1 P1-A1/P1-B1, P1-C1/P1-D1
1 CPU & 5~8 DIMMs	CPU1 P1-A1/P1-B1, P1-C1/P1-D1 + Any memory pairs in P1-A2/-B2/-C2/-D2 DIMM slots
2 CPUs & 4 DIMMs	CPU1 + CPU2 P1-A1/P1-B1, P2-E1/P2-F1
2 CPUs & 6 DIMMs	CPU1 + CPU2 P1-A1/P1-B1/P1-C1/P1-D1, P2-E1/P2-F1
2 CPUs & 8 DIMMs	CPU1 + CPU2 P1-A1/P1-B1/P1-C1/P1-D1, P2-E1/P2-F1/P2-G1/P2-H1
2 CPUs & 10~16 DIMMs	CPU1/CPU2 P1-A1/P1-B1/P1-C1/P1-D1, P2-E1/P2-F1/P2-G1/P2-H1 + Any memory pairs in P1, P2 DIMM slots
2 CPUs & 16 DIMMs	CPU1/CPU2 P1-A1/P1-B1/P1-C1/P1-D1, P2-E1/P2-F1/P2-G1/P2-H1, P1-A2/P1-B2/P1-C2/P1-D2, P2-E2/P2-F2/P2-G2/P2-H2

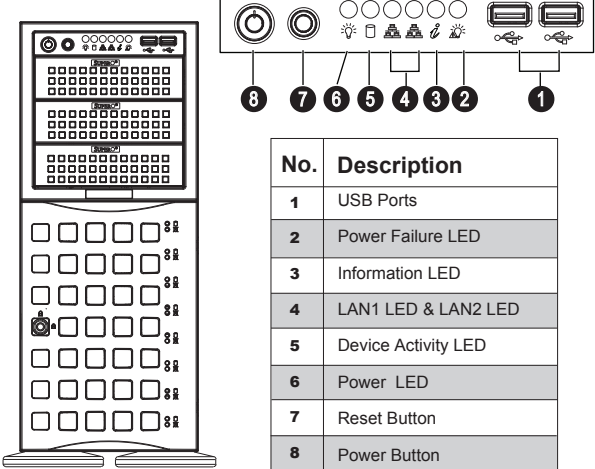
Populating RDIMM/LRDIMM DDR4 Memory Modules

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
RDIMM	SRx4	8 GB	1.2 V	1.2 V	1.2 V	1.2 V
RDIMM	SRx8	4 GB	2133	2400	1866	2133
RDIMM	DRx8	8 GB	2133	2400	1866	2133
RDIMM	DRx4	16 GB	2133	2400	1866	2133
LRDIMM	QRx4	32 GB	2133	2400	2133	2400
LRDIMM 3DS	8Rx4	64 GB	2133	2400	2133	2400

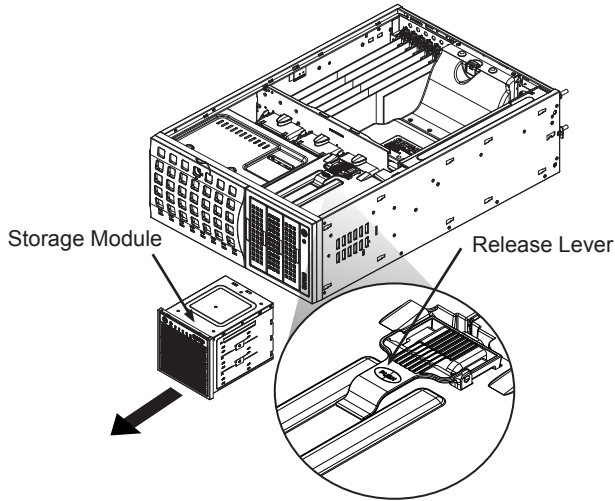
Note: For the memory modules to work properly, please install DIMM modules in pairs (with an even number of DIMMs installed).

Note: For detailed information on memory support and updates, please refer to the SMC Recommended Memory List posted on our website at <http://www.supermicro.com/support/resources/mem.cfm>.

Front View & Interface



Rotating the Storage Module



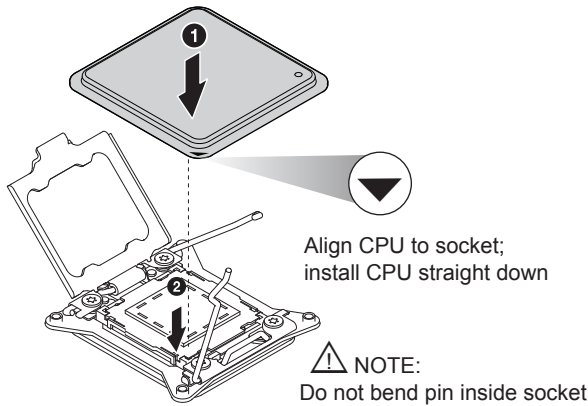
Rotating the Storage Module for Rack Mounting

1. Open the chassis cover.
2. Locate the storage module and disconnect any cables from the storage module to any component in the chassis.
3. Push the storage module release lever. This lever unlocks the storage module
4. Grasp the external edges of the storage module and pull the unite from the chassis
5. Turn the storage module 90 degrees
6. Reinsert the module into the chassis and reconnect the cords

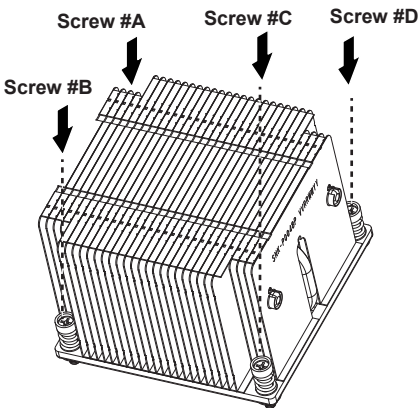
Beep Codes

BIOS Beep Codes		
Beep Code/LED	Message	Description
1 beep	Refresh	Circuits have been reset. (Ready to power up)
5 short beeps + 1 long beep	Memory	No memory detected
5 long beeps + 2 short beeps	Display memory read/write status	Video adapter missing or with faulty memory
1 continuous beep	System	System overheat

CPU Installation



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/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>

