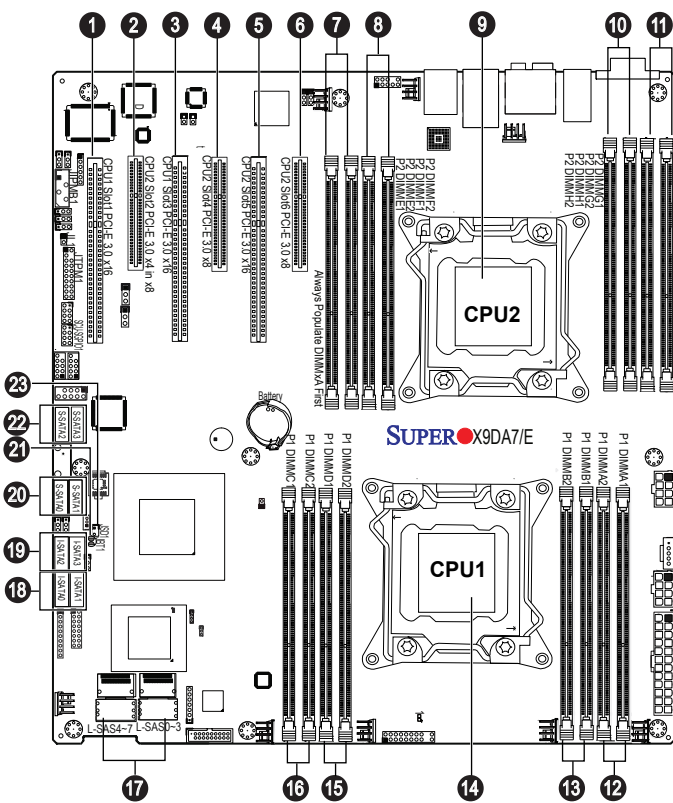


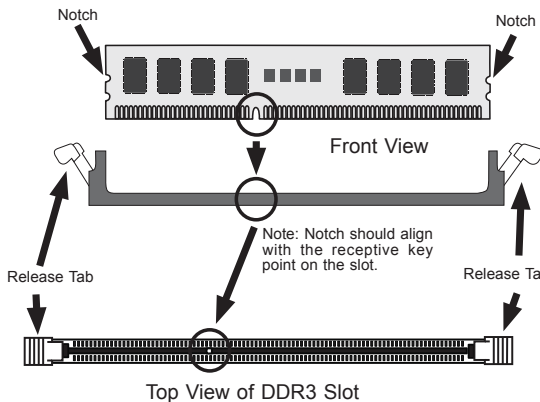
SUPERMICR[®] SuperWorkstation 7047A-73 Quick Reference Guide

Board Layout



No.	Description
1	CPU1 Slot1 PCI-E 3.0 x16
2	CPU1 Slot2 PCI-E 3.0 x4 in x8
3	CPU1 Slot3 PCI-E 3.0 x16
4	CPU2 Slot4 PCI-E 3.0 x8
5	CPU2 Slot5 PCI-E 3.0 x16
6	CPU2 Slot6 PCI-E 3.0 x8
7	P2 DIMME1/P2 DIMME2
8	P2 DIMMF1/P2 DIMMF2
9	CPU2
10	P2 DIMMH1/P2 DIMMH2
11	P2 DIMMG1/P2 DIMMG2
12	P1 DIMMA1/P1 DIMMA2
13	P1 DIMMB1/P1 DIMMB2
14	CPU1 (Install CPU1 first)
15	P1 DIMMD1/P1 DIMMD2
16	P1 DIMMC1/P1 DIMMC2
17	SAS 2.0 Connections 0~3 & 4~7 from the LSI SAS Controller
18	SATA 3.0 Ports (I-SATA0 ~ I-SATA1)
19	SATA 2.0 Ports (I-SATA2~I-SATA3)
20	JSD1 = SATA DOM Power Connector
21	SATA 2.0 Connectors 0~3 from Intel SCU (Storage control Unit)
22	JBT1 = CMOS Reset

MEMORY

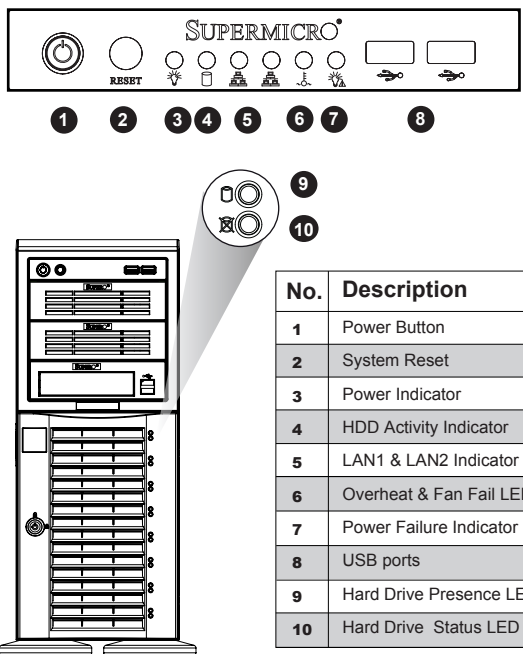


Processors and their Corresponding DIMM Slots								
CPU#	Corresponding DIMM Modules							
CPU 1	P1-A1	P1-B1	P1-C1	P1-D1	P1-A2	P1-B2	P1-C2	P1-D2
CPU 2	P2-E1	P2-F1	P2-G1	P4-H1	P2-E2	P2-F2	P2-G2	P2-H2

Processor and Memory Module Population	
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, P2-E1/P2-F1/P2-G1
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/P1-A2, P2-E1/P2-F1/P2-G1/P2-H1+/P2-E2, Any memory pairs in P1, P2 DIMM slots

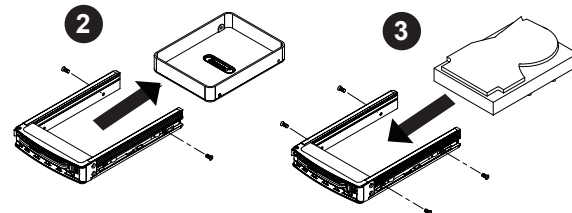
UDIMM Memory Support							
Ranks Per DIMM & Data Width	Memory Capacity Per DIMM (Note 1)			Speed (MT/s) and Voltage Validated by Slot Per Channel (SPC) and DIMM Per Channel (DPC) (Notes 2, 3, 4)			
				2 Slots Per Channel			
				1DPC		2DPC	
				1.35V	1.5V	1.35V	1.5V
SRx8 Non-ECC	1GB	2GB	4GB	n/a	1066, 1333	n/a	1066, 1333
DRx8 Non-ECC	2GB	4GB	8GB	n/a	1066, 1333	n/a	1066, 1333
SRx16 Non-ECC	512MB	1GB	2GB	n/a	1066, 1333	n/a	1066, 1333
SRx8 ECC	1GB	2GB	4GB	1066, 1333	1066, 1333	n/a	1066, 1333
DRx8 ECC	2GB	4GB	8GB	1066, 1333	1066, 1333	n/a	1066, 1333

Front view & Interface



No.	Description
1	Power Button
2	System Reset
3	Power Indicator
4	HDD Activity Indicator
5	LAN1 & LAN2 Indicator
6	Overheat & Fan Fail LED
7	Power Failure Indicator
8	USB ports
9	Hard Drive Presence LED
10	Hard Drive Status LED

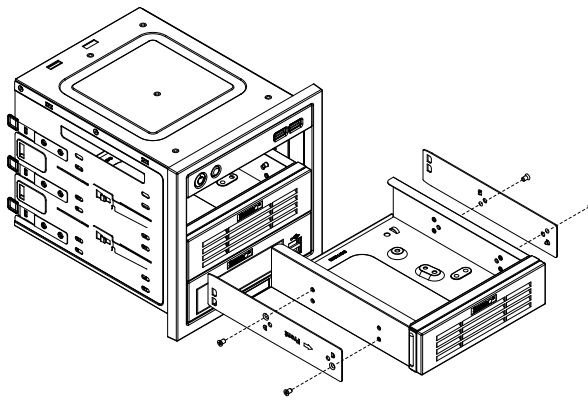
Hard Drives Installation



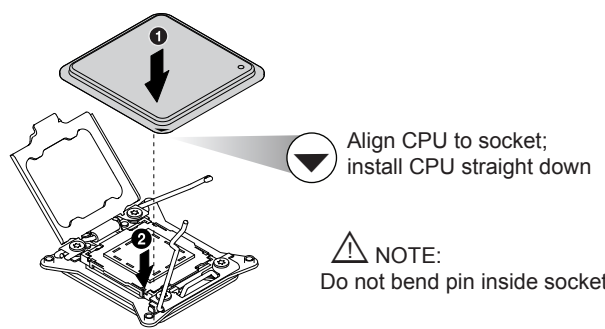
- Installing Hard Drives**
1. Remove the screws from the hard drive tray and set them aside for later use.
 2. Remove the dummy drive from the hard drive tray.
 3. Mount a hard drive into the hard drive tray
 4. Replace the screws which were set aside earlier.
 5. Install the hard drive into the chassis.
 6. Push down the release tab over the newly installed hard drive.
 7. Close the hard drive tray door.

Storage Module

- Configuring the Storage Module for 5.25" Devices**
1. Remove the 5.25" drive trays from the storage module.
 2. Remove the screws and drive tray brackets from the drive trays.
 3. Install the 5.25" devices into storage module.
 4. Replace the module back into the chassis.
 5. Ensure that the storage module is securely locked into position.



CPU Installation



Caution

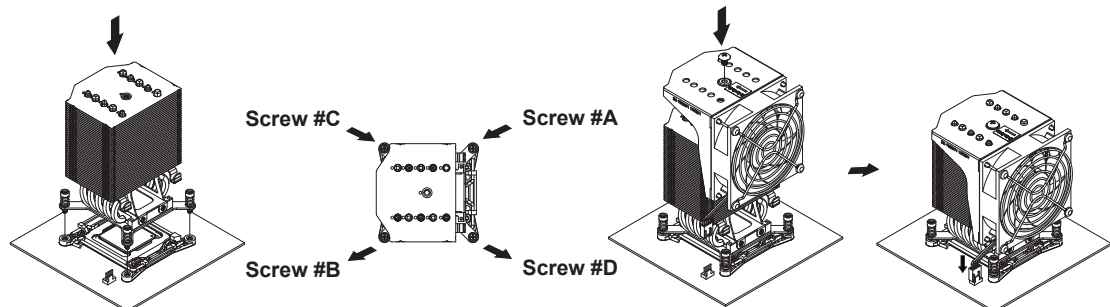
SAFETY INFORMATION
IMPORTANT: See installation instructions and safety warning before connecting system to power supply.
http://www.supermicro.com/about/policies/safety_information.cfm

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>

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, B, C, D)
4. NOTE: Only use 6-8 lb/f of torque; otherwise, hand-tighten each screw, to avoid damaging the system

