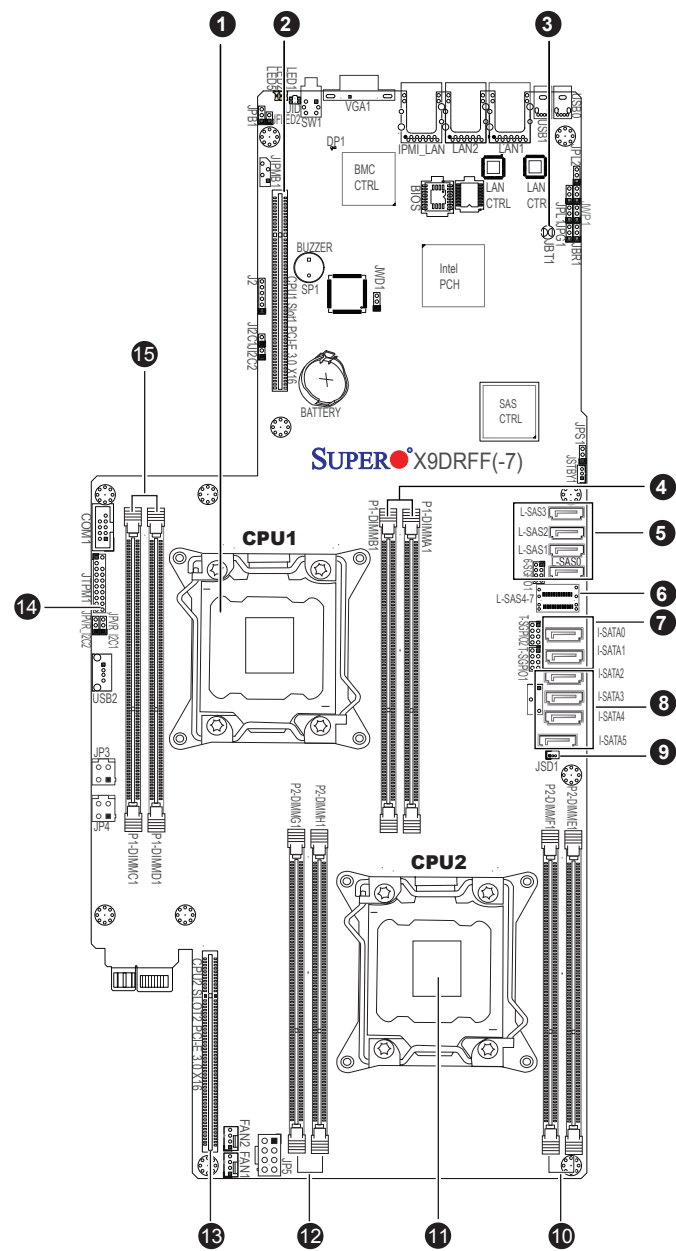


SUPERMICR[®] SuperServer F617R2-FT/F73 Quick Reference Guide

Board Layout



No.	Description	No.	Description
1	CPU1 Socket	9	JSD1: Disk-On-Module (DOM)
2	CPU1 Slot1 PCI-E 3.0 x16	10	P1-DIMME1 / P1-DIMMF1
3	JBT1: CMOS Clear	11	CPU2 Socket
4	P1-DIMMA1 / P1-DIMMB1	12	P1-DIMMH1 / P1-DIMMG1
5	L-SAS 0~3: SAS Connectors 0/1/2/3	13	CPU2 Slot2 PCI-E 3.0 x16
6	L-SAS 4~7: SAS Connectors 4-7	14	JTPM1: Trusted Platform Module Header
7	SATA0~1: Internal SATA 3.0 Ports	15	DIMMC1 / DIMMD1
8	SATA2~5: Internal SATA 2.0 Ports		

MEMORY

Processors and their Corresponding Memory Modules				
CPU#	Corresponding DIMM Modules			
CPU 1	P1-A1	P1-B1	P1-C1	P1-D1
CPU 2	P2-E1	P2-F1	P2-G1	P2-H1

Processor and Memory Module Population	
CPU and Memory Population Configuration Table (For memory to work properly, please install DIMMs in the sequence as specified)	
1 CPU & 2 DIMMs	CPU1 & P1-A1/P1-B1
1 CPU & 4 DIMMs	CPU1 & P1-A1/P1-B1, P1-C1/P1-D1
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

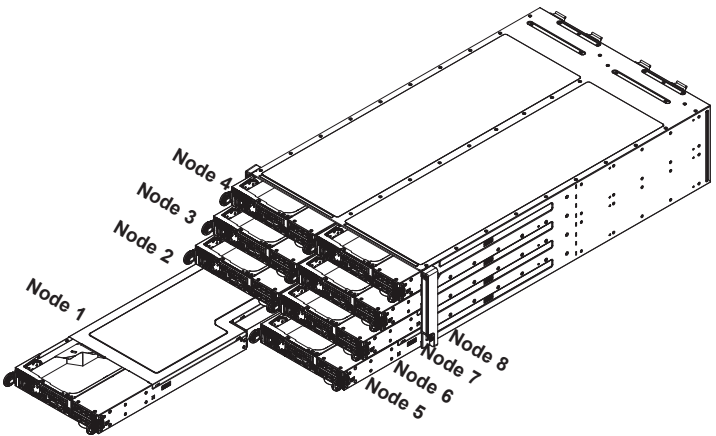
Installing RDIMM Memory

Intel E5-2600 v2 Series Processor RDIMM Memory Support					
Ranks per DIMM & Data Width	Memory Capacity Per DIMM (See the Note below)		Speed (MT/s) and Voltage Validated by Slot per Channel (SPC) and DIMM Per Channel (DPC)		
			1 Slot Per Channel		
			1DPC		
SRx8	1GB	2GB	4GB	1066, 1333, 1600	1066, 1333, 1600, 1866
				1066, 1333, 1600	1066, 1333, 1600, 1866
DRx8	2GB	4GB	8GB	1066, 1333, 1600	1066, 1333, 1600, 1866
SRx4	2GB	4GB	8GB	1066, 1333, 1600	1066, 1333, 1600, 1866
DRx4	4GB	8GB	16GB	1066, 1333, 1600	1066, 1333, 1600, 1866
QRx4	8GB	16GB	32GB	800	800, 1066
QRx8	4GB	8GB	16GB	800	800, 1066

Installing UDIMM (ECC/non-ECC) Memory

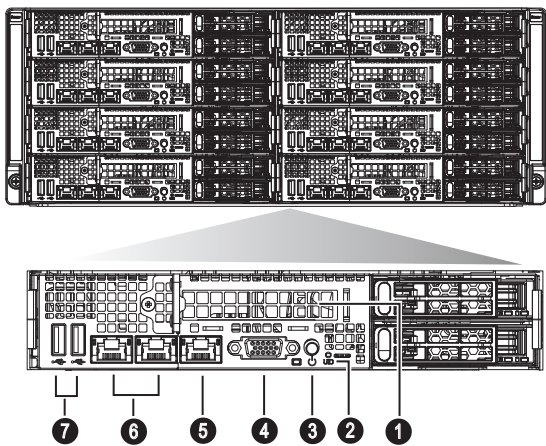
Intel E5-2600 v2 Series Processor UDIMM Memory Support					
Ranks per DIMM & Data Width	Memory Capacity Per DIMM (See the Note below)			Speed (MT/s) and Voltage Validated by Slot per Channel (SPC) and DIMM Per Channel (DPC)	
				1DPC	
				1.35V	1.5V
SRx8 Non-ECC	1GB	2GB	4GB	NA	1066, 1333, 1600
DRx8 Non-ECC	2GB	4GB	8GB	NA	1066, 1333, 1600
SRx16 Non-ECC	512MB	1GB	2GB	NA	1066, 1333, 1600
SRx8 ECC	1GB	2GB	4GB	1066, 1333, 1600	1066, 1333, 1600, 1866
DRx8 ECC	2GB	4GB	8GB	1066, 1333, 1600	1066, 1333, 1600, 1866

Nodes and Corresponding Hard Drives



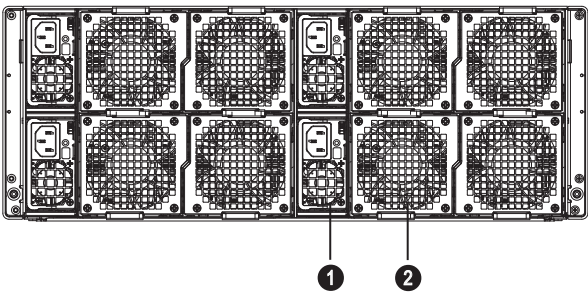
SCF418IL-R1K62BP			
Node 4 Controls two HDDs D1-D2		Node 8 Controls two HDDs H1-H2	
Node 3 Controls two HDDs C1-C2		Node 7 Controls two HDDs G1-G2	
Node 2 Controls two HDDs B1-B2		Node 6 Controls two HDDs, F1-F2	
Node 1 Controls two HDDs A1-A2		Node 5 Controls two HDDs E1-E2	

Front View & Interface



No.	Description
1	Low-Profile PCIe Expansion Slot
2	UID Button
3	Power Button
4	VGA Port
5	Dedicated LAN for IPMI
6	GbE LAN1/LAN2 Ports
7	USB 0/1 Ports

Rear View

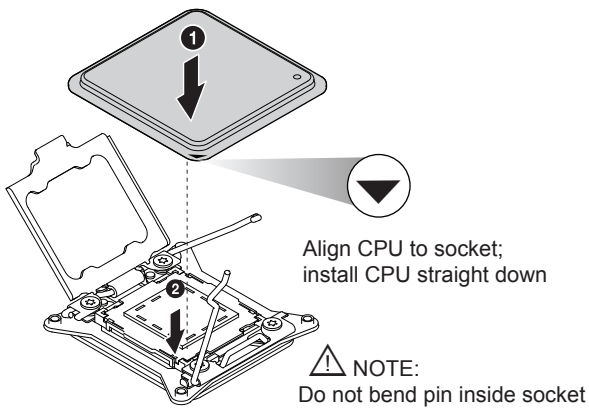


No.	Description
1	Power Supply Module
2	Rear Fan

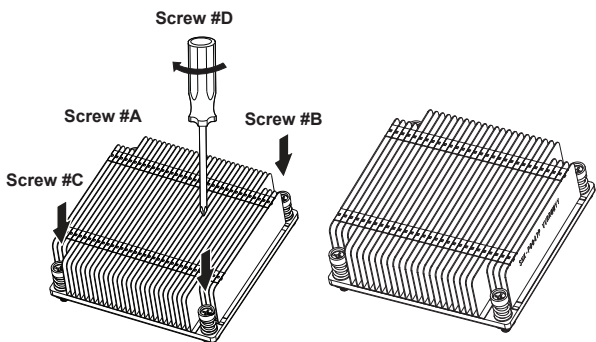
Beep Codes

Beep Code	Error Message	Description
1 beep	Refresh	Circuits have been reset (Ready to power up)
5 short beeps and 1 long beep	Memory error	No memory detected in the system
5 long and 2 short beeps	Display memory read/write error	Video adapter missing or with faulty memory
1 continuous beep	System overheat	System overheat

CPU Installation



Heatsink Installation



SNK-P0047PF for CPU1

SNK-P0047P for CPU2

- 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>

