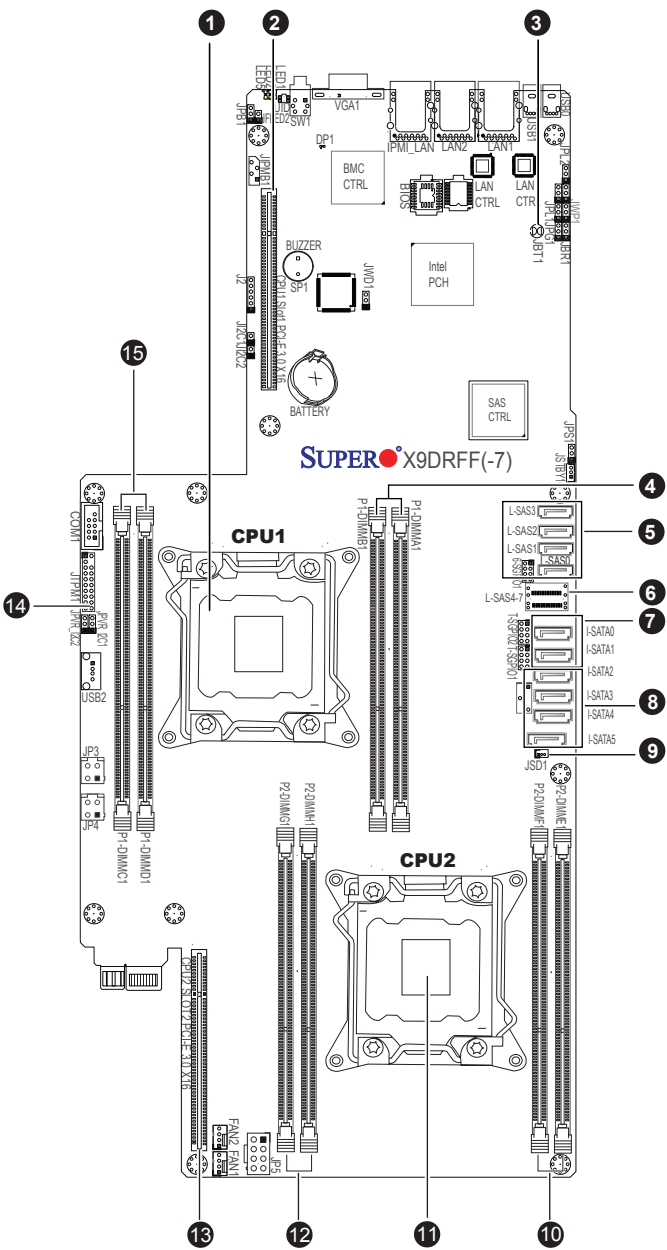


SUPERMICR[®] SuperServer F627R2-F73 Quick Reference Guide

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

Processors and Memory Module Population for Optimal Performance	
Number of CPUs + DIMMs	CPU and Memory Population Configuration Table (For memory to work properly, follow the instructions below)
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

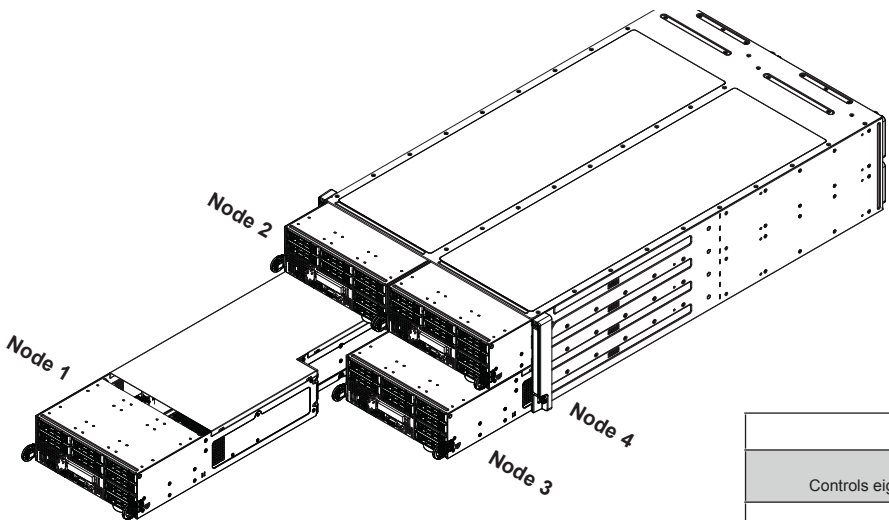
Installing RDIMM Memory

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	1.35V	1.5V
				1066, 1333	1066, 1333, 1600
DRx8	2GB	4GB	8GB	1066, 1333	1066, 1333, 1600
				1066, 1333	1066, 1333, 1600
SRx4	2GB	4GB	8GB	1066, 1333	1066, 1333, 1600
				1066, 1333	1066, 1333, 1600
DRx4	4GB	8GB	16GB	1066, 1333	1066, 1333, 1600
				1066, 1333	1066, 1333, 1600
QRx4	8GB	16GB	32GB	800	1066
				800	1066
QRx8	4GB	8GB	16GB	800	1066
				800	1066

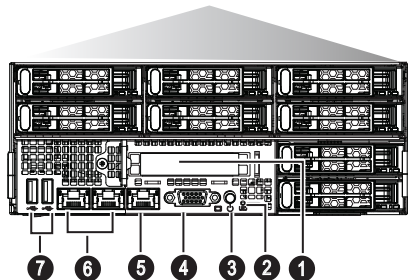
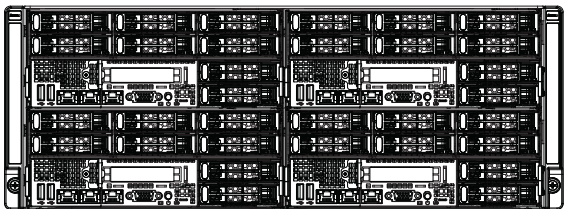
Installing UDIMM (ECC/non-ECC) Memory

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	1066, 1333, 1600
DRx8 ECC	2GB	4GB	8GB	1066, 1333	1066, 1333, 1600

Nodes and Corresponding Hard Drives

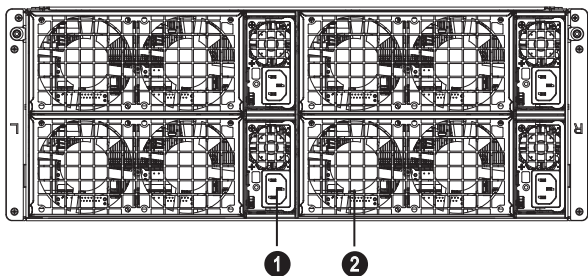


Front View & Interface



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

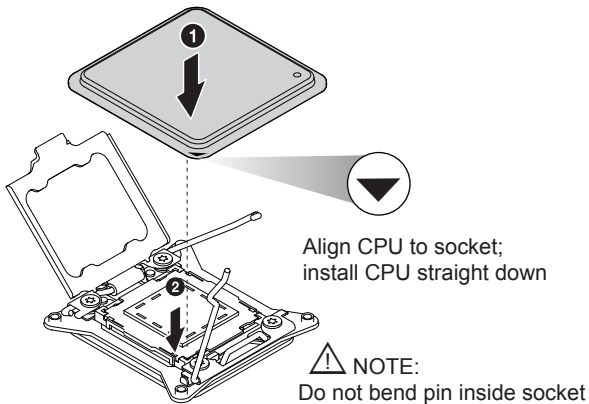


No.	Description
1	Power Supply Module
2	Rear Fan

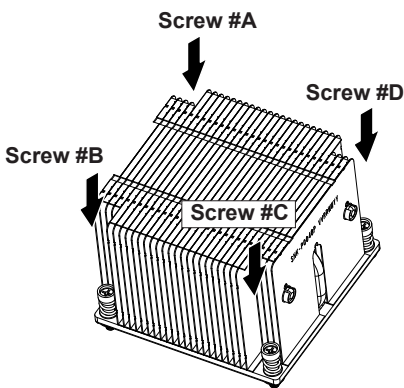
F424BD Node Locations in the Chassis

Node 2	Node 4
Controls eight 2.5" HDDs, B1-B8	Controls eight 2.5" HDDs, D1-D8
Node 1	Node 3
Controls eight 2.5" HDDs, A1-A8	Controls eight 2.5" HDDs, C1-C8

CPU Installation



Heatsink Installation



- Place the heatsink on top of the installed CPU.
- Align the four screws to the socket.
- Holding the heatsink in place, 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 CPU.

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>

