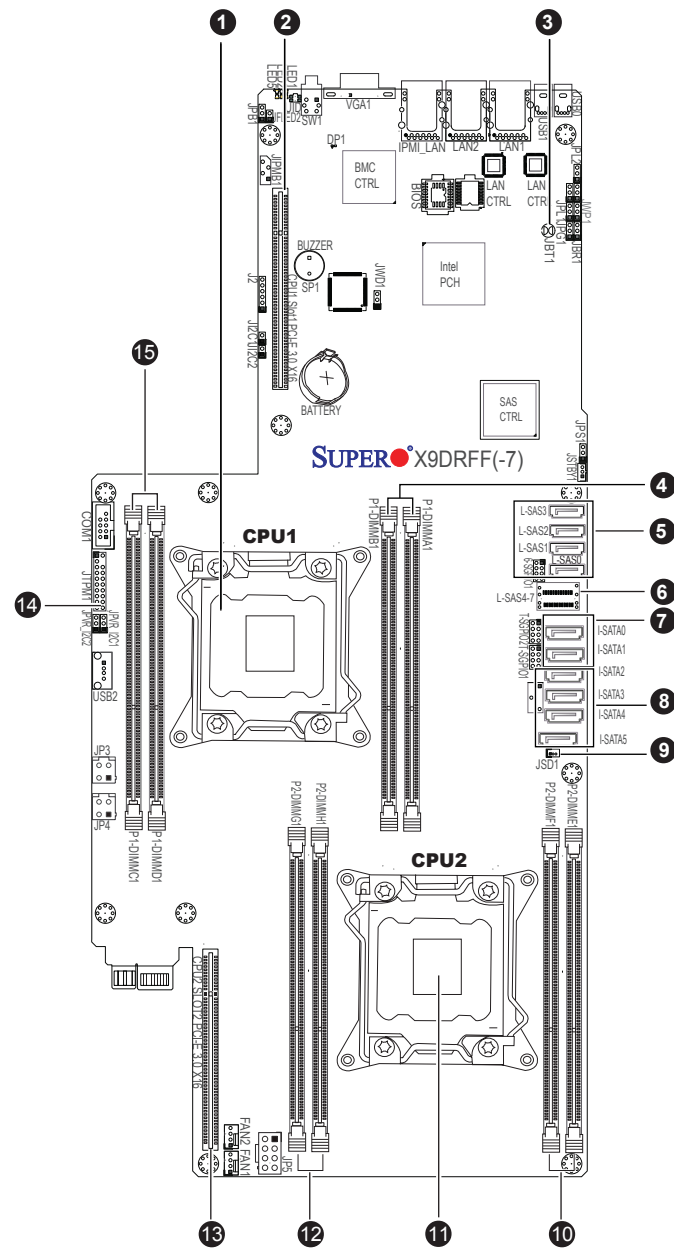


# SUPERMICR® SuperServer F627R3-FT/F73 Quick Reference Guide

## 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

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

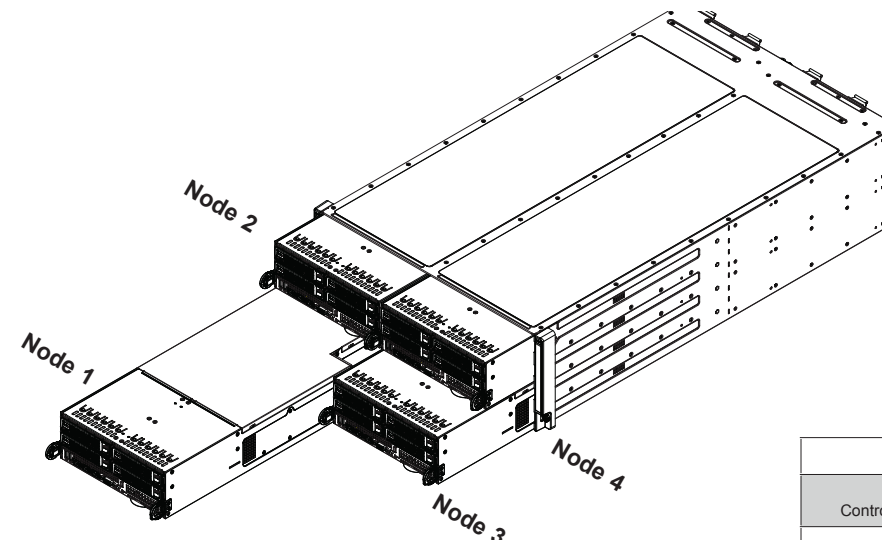
### Installing RDIMM Memory

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		
		1.35V	1.5V	
SRx8	1GB, 2GB, 4GB	1066, 1333	1066, 1333, 1600	
DRx8	2GB, 4GB, 8GB	1066, 1333	1066, 1333, 1600	
SRx4	2GB, 4GB, 8GB	1066, 1333	1066, 1333, 1600	
DRx4	4GB, 8GB, 16GB	1066, 1333	1066, 1333, 1600	
QRx4	8GB, 16GB, 32GB	800	1066	
QRx8	4GB, 8GB, 16GB	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	

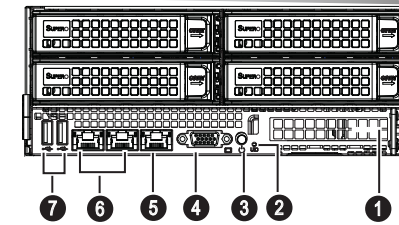
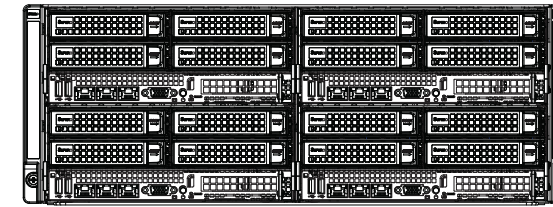
## Installing and Removing Hard Drives



### F424AF Node Locations in the Chassis

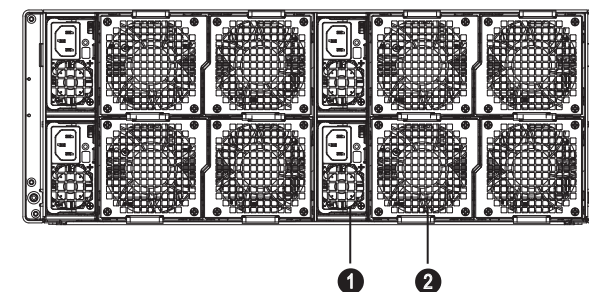
Node 2 Controls four 3.5" HDDs, B1-B4	Node 4 Controls four 3.5" HDDs, D1-D4
Node 1 Controls four 3.5" HDDs, A1-A4	Node 3 Controls four 3.5" HDDs, C1-C4

## Front View & Interface



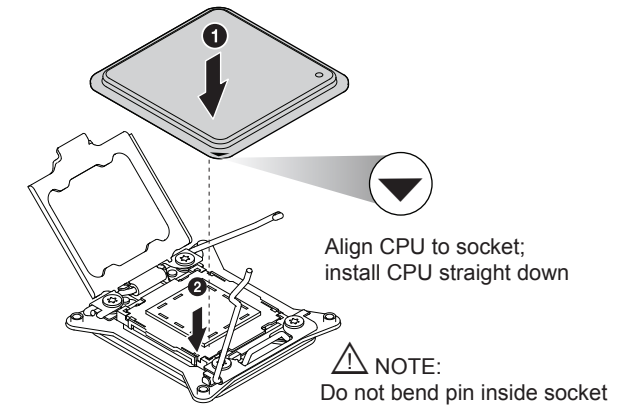
No.	Description
1	Low-Profile PCI-E Expansion Slot
2	UID Button
3	Power Button
4	VGA Port
5	Dedicated LAN for IPMI
6	GbE LAN1/LAN2 Ports
7	USB 0/1 Ports

## Rear View

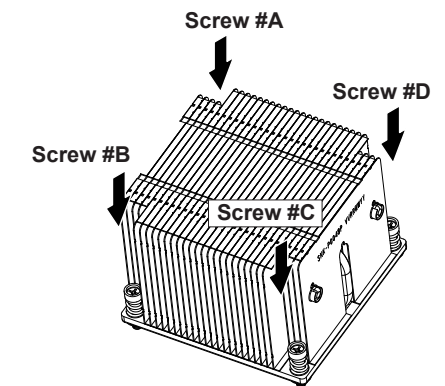


No.	Description
1	Power Supply Module
2	Rear Fan

## 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/ft 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](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>

