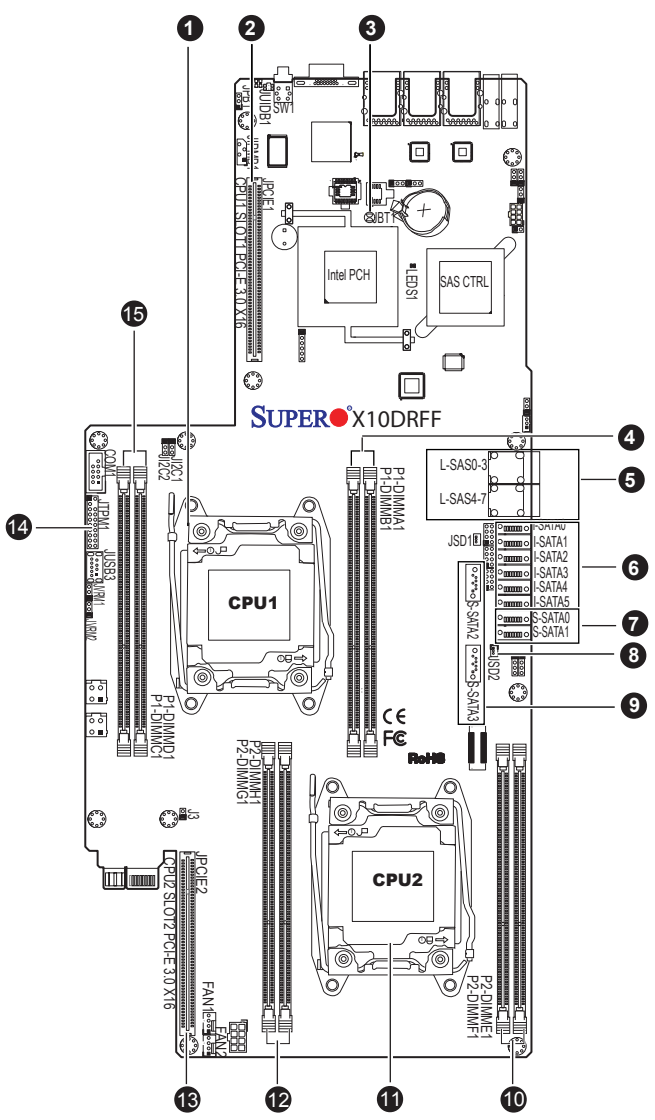


SUPERMICR[®] SuperServer F618R3-FTL Quick Reference Guide

Board Layout



No.	Description
1	CPU1 Socket
2	CPU1 Slot1 PCI-E 3.0 x16
3	JBT1: CMOS Clear
4	P1-DIMMA1 / P1-DIMMB1
5	L-SAS 0~3/4~7: SAS Connectors 0~3/4~7 supported by LSI SAS controller
6	I-SATA0~5: I-SATA 3.0 Ports (support by the Intel PCH)
7	S-SATA0/1: S-SATA 2.0 Ports (support by the Intel SCU)
8	JSD1/JSD2: Disk-On-Module (DOM)
9	S-SATA2/3: SATA DOM w/power pin built-in connectors 2/3
10	P1-DIMME1 / P1-DIMMF1
11	CPU2 Socket
12	P1-DIMMH1 / P1-DIMMG1
13	CPU2 Slot2 PCI-E 3.0 x16
14	JTPM1: Trusted Platform Module Header
15	P1-DIMMC1 / P1-DIMMD1

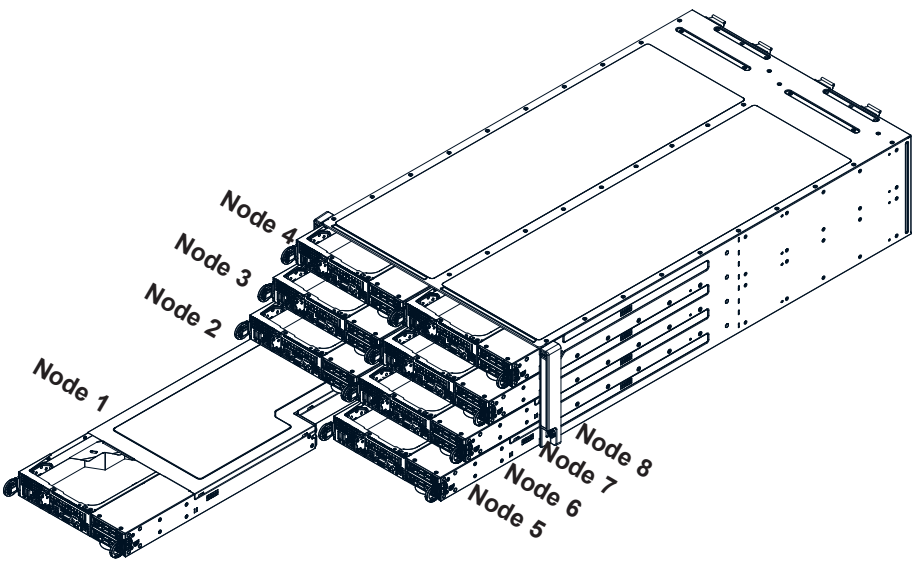
Memory

Processors and their Corresponding Memory Modules				
CPU#	Corresponding DIMM Modules			
CPU 1	P1-DIMMA1	P1-DIMMB1	P1-DIMMC1	P1-DIMMD1
CPU 2	P2-DIMME1	P2-DIMMF1	P2-DIMMG1	P2-DIMMH1

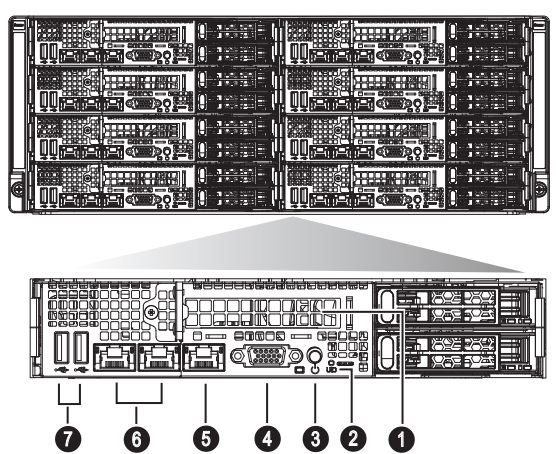
Processor and Memory Module Population for Optimal Performance	
Number of CPUs+DIMMs	CPU and Memory Population Configuration Table (For memory to work properly, please follow the instructions below.)
1 CPU & 2 DIMMs	CPU1 P1-DIMMA1/P1-DIMMB1
1 CPU & 4 DIMMs	CPU1 P1-DIMMA1/P1-DIMMB1, P1-DIMMC1/P1-DIMMD1
2 CPUs & 4 DIMMs	CPU1 + CPU2 P1-DIMMA1/P1-DIMMB1, P2-DIMME1/P2-DIMMF1
2 CPUs & 6 DIMMs	CPU1 + CPU2 P1-DIMMA1/P1-DIMMB1/P1-DIMMC1/P1-DIMMD1, P2-DIMME1/P2-DIMMF1
2 CPUs & 8 DIMMs	CPU1 + CPU2 P1-DIMMA1/P1-DIMMB1/P1-DIMMC1/P1-DIMMD1, P2-DIMME1/P2-DIMMF1/P2-DIMMG1/P2-DIMMH1

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)	
				1 Slot per Channel	
				1 DPC	
		E5-2600 V3		E5-2600 V4	
		4 GB	8 GB	1.2 V	1.2 V
RDIMM	SRx4	8 GB	16 GB	2133	2400
RDIMM	SRx8	4 GB	8 GB	2133	2400
RDIMM	DRx8	8 GB	16 GB	2133	2400
RDIMM	DRx4	16 GB	32 GB	2133	2400
LRDIMM	QRx4	32 GB	64 GB	2133	2400
LRDIMM 3DS	8Rx4	64 GB	128 GB	2133	2400

Nodes and Corresponding Hard Drives

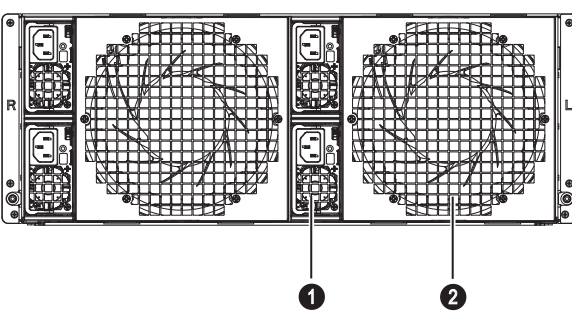


Front View & Interface



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

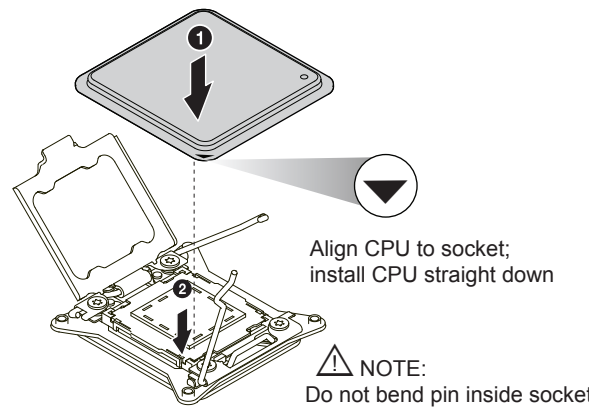
Rear View



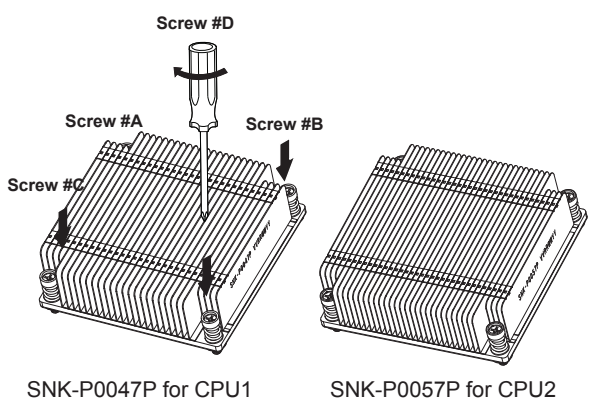
No.	Description
1	Power Supply Module
2	Rear Fan

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

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>

