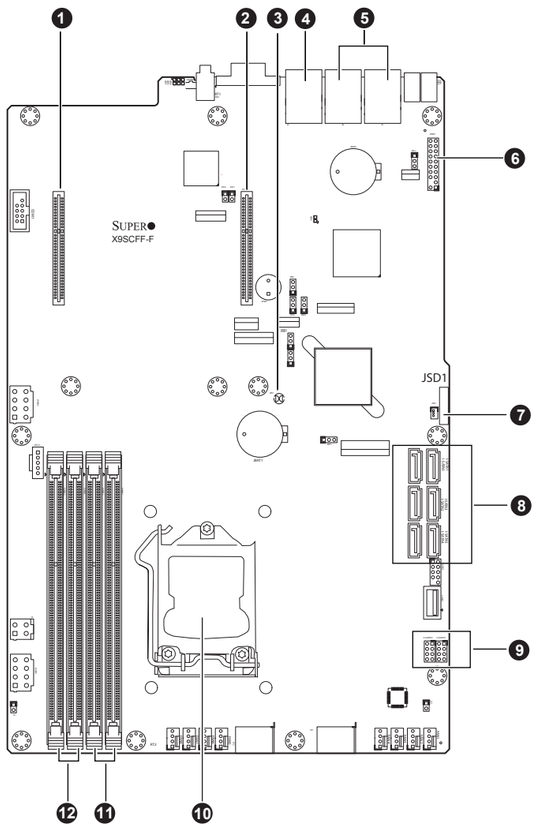
SUPERMICRO® SuperServer F517H6-FT Quick Reference Guide

Board Layout



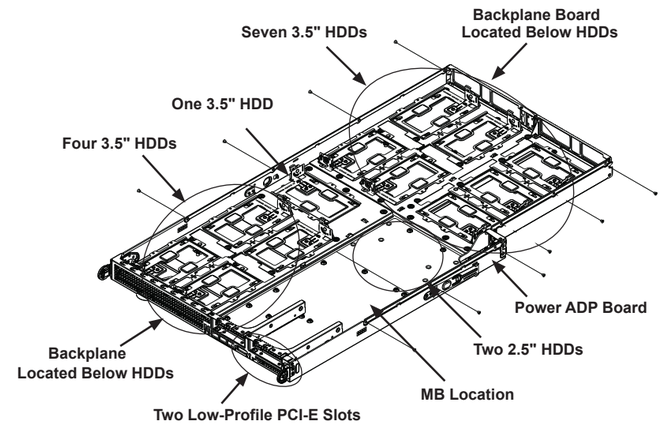
No.	Description
1	CPU1 Slot1 PCI-E 3.0 x8
2	CPU1 Slot2 PCI-E 3.0 x8
3	JBT1: CMOS Clear
4	IPMI dedicated LAN port
5	G-bit LAN ports 1/2
6	JTPM1: Trusted Platform Module Header
7	JSD1: SATA Device Power Connector
8	I-SATA 0~5: Internal SATA Ports
9	6-SGPIO 1/2: Serial Link Gen. Purpose I/O Headers
10	CPU Socket
11	DIMMA1 (Black) / DIMMA2 (Blue)
12	DIMMB1 (Black) / DIMMB2 (Blue)

MEMORY

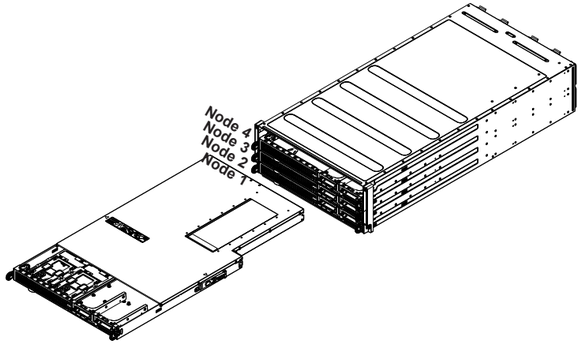
Recommended Population (Balanced)				
DIMMA2 Slot	DIMMB2 Slot	DIMMA1 Slot	DIMMB1 Slot	Total System Memory
2GB DIMM	2GB DIMM			4GB
2GB DIMM	2GB DIMM	2GB DIMM	2GB DIMM	8GB
4GB DIMM	4GB DIMM			8GB
4GB DIMM	4GB DIMM	4GB DIMM	4GB DIMM	16GB
8GB DIMM	8GB DIMM			16GB
8GB DIMM	8GB DIMM	8GB DIMM	8GB DIMM	32GB

Memory	Four (4) DIMM slots support up to 32 GB of DDR3, unbuffered, 1600/1333/1066 MHz, ECC memory	
	Supports dual-channel memory bus	
	DIMM sizes	
	DIMM	1GB, 2GB, 4GB and 8GB

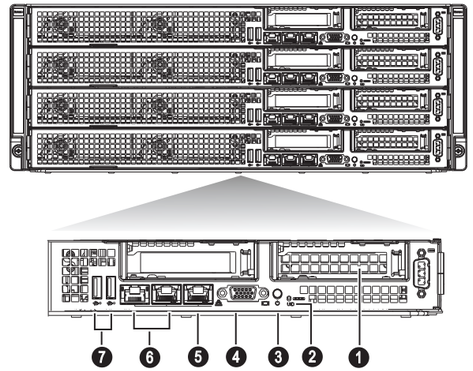
Node Configuration



Nodes and Corresponding Hard Drives

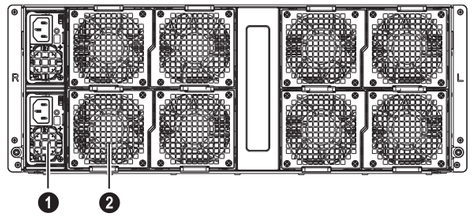


Front View & Interface



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

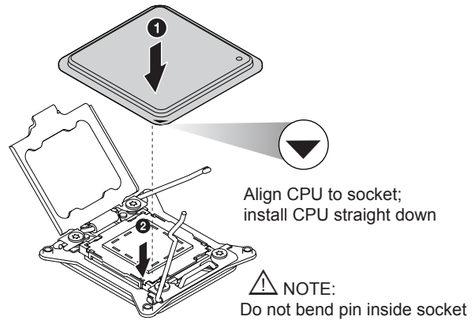
Rear View



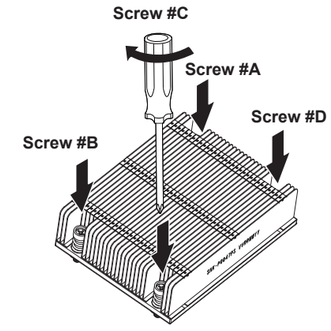
No.	Description
1	Power Supply Module
2	Rear Fan

F414IS-R1K62B Chassis Nodes and Their Hard Drives
Node 4 Controls twelve (12) 3.5" HDDs, optional two (2) 2.5" HDDs, D1-D15
Node 3 Controls twelve (12) 3.5" HDDs, optional two (2) 2.5" HDDs, C1-C15
Node 2 Controls twelve (12) 3.5" HDDs, optional two (2) 2.5" HDDs, B1-B15
Node 1 Controls twelve (12) 3.5" HDDs, optional two (2) 2.5" HDDs, A1-A15

CPU Installation



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, C, B, D)
4. 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