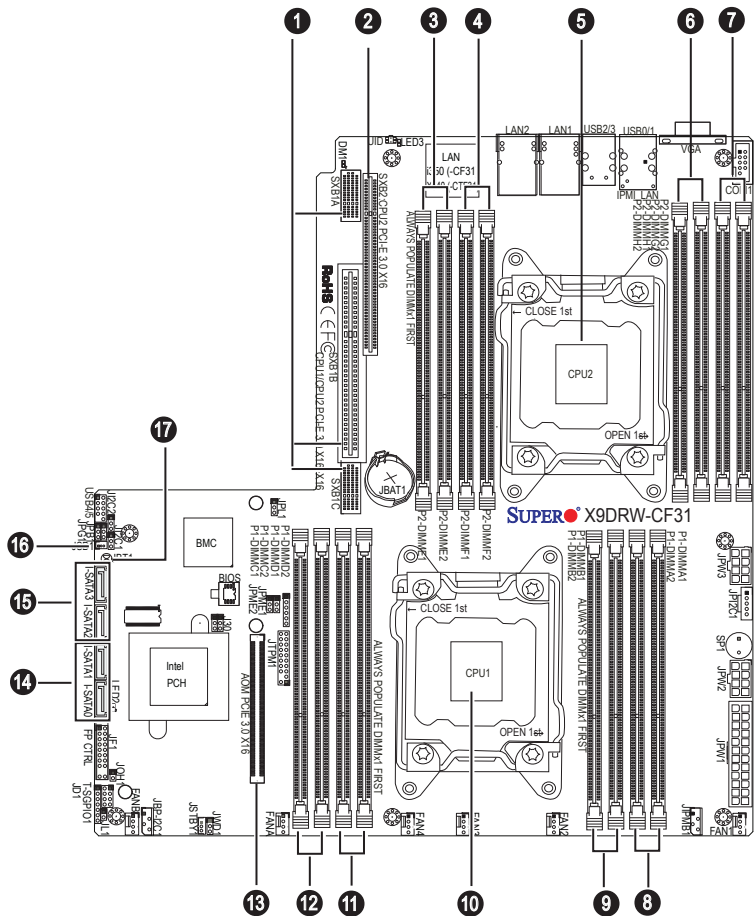


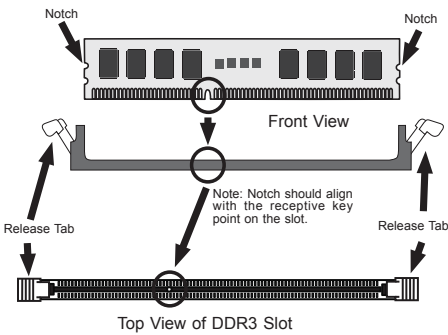
SUPERMICR[®] SuperServer 1027R-WC1NR/WC1NRT Quick Reference Guide

Board Layout



No.	Description
1	SXBA1/SXB1B/SXB1C: CPU1/CPU2 PCI-E 3.0 x16 + x16
2	SXB2: CPU2 PCI-E 3.0 x16
3	P2-DIMME1 (Blue)/P2-DIMME2 slot
4	P2-DIMMF1 (Blue)/P2-DIMMF2 slot
5	CPU2
6	P2-DIMMH1(Blue)/P2-DIMMH2 slot
7	P2-DIMMG1 (Blue)/P2-DIMMG2 slot
8	P1-DIMMA1 (Blue)/P1-DIMMA2 slot
9	P1-DIMMB1 (Blue)/P1-DIMMB2 slot
10	CPU1 (it must be installed on it first)
11	P1-DIMMD1 (Blue)/P1-DIMMD2 slot
12	P1-DIMMC1 (Blue)/P1-DIMMC2 slot
13	AOM PCI-E 3.0 x16
14	I-SATA 3 Ports 0~1 (from Intel PCH)
15	I-SATA 2 Ports 2~3 (from Intel PCH)
16	JSD1: SATA DOM Power
17	JBT1 = CMOS Reset

MEMORY



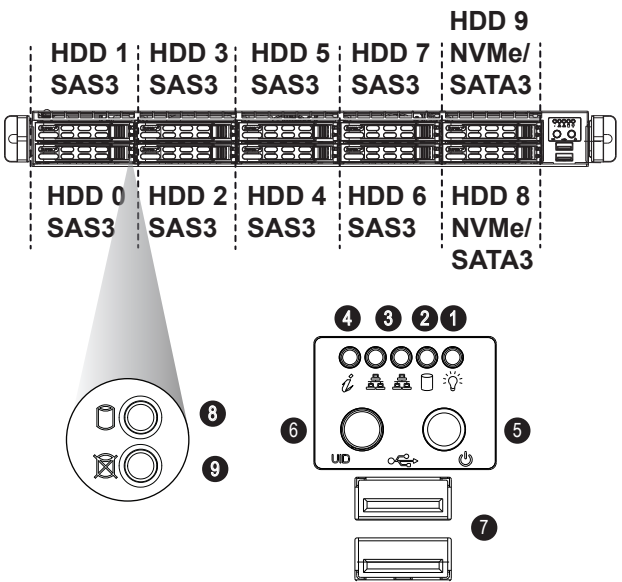
Processors and their Corresponding Memory Modules								
CPU#	Corresponding DIMM Modules							
CPU 1	P1-DIMMA1	P1-DIMMA2	P1-DIMMB1	P1-DIMMB2	P1-DIMMC1	P1-DIMMC2	P1-DIMMD1	P1-DIMMD2
CPU 2	P2-DIMME1	P2-DIMME2	P2-DIMMF1	P2-DIMMF2	P2-DIMMG1	P2-DIMMG2	P2-DIMMH1	P2-DIMMH2

Processor and Memory Module Population for Optimal Performance	
Number of CPUs+DIMMs	CPU and Memory Population Configuration Table
1 CPU & 2 DIMMs	CPU1 P1-DIMMA1/P1-DIMMB1
1 CPU & 4 DIMMs	CPU1 P1-DIMMA1/P1-DIMMB1, P1-DIMMC1/P1-DIMMD1
1 CPU & 5~8 DIMMs	CPU1 P1-DIMMA1/P1-DIMMB1, P1-DIMMC1/P1-DIMMD1 + Any memory pairs in P1-DIMMA2/P1-DIMMB2/P1-DIMMC2/P1-DIMMD2 slots
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
2 CPUs & 10~16 DIMMs	CPU1/CPU2 P1-DIMMA1/P1-DIMMB1/P1-DIMMC1/P1-DIMMD1, P2-DIMME1/P2-DIMMF1/P2-DIMMG1/P2-DIMMH1 + Any memory pairs in P1, P2 DIMM slots
2 CPUs & 16 DIMMs	CPU1/CPU2 P1-DIMMA1/P1-DIMMB1/P1-DIMMC1/P1-DIMMD1, P2-DIMME1/P2-DIMMF1/P2-DIMMG1/P2-DIMMH1, P1-DIMMA2/P1-DIMMB2/P1-DIMMC2/P1-DIMMD2, P2-DIMME2/P2-DIMMF2/P2-DIMMG2/P2-DIMMH2

Beep Codes

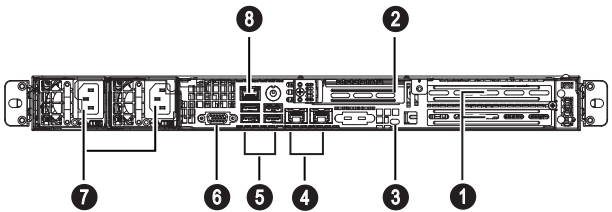
BIOS Error Beep Codes		
Beep Code/LED	Error Message	Description
1 beep	Refresh	Ready to boot
5 short beeps + 1 long beep	Memory Error	No memory detected in the system
5 beeps	No Con-In or No Con-Out devices	Con-In: USB or PS/2 keyboard, PCI or Serial Console Redirection, IPMI KVM or SOL Con-Out: Video Controller, PCI or Serial Console Redirection, IPMI SOL

Front View & Interface



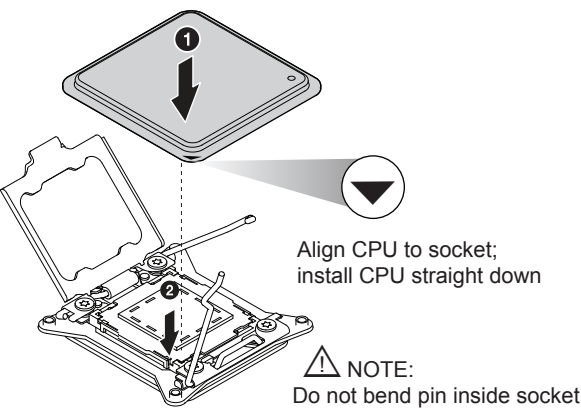
No.	Description
1	Power LED
2	Device Activity LED
3	LAN1 LED & LAN2 LED
4	Information LED
5	Power Button
6	UID Button
7	USB 2.0 Ports
8	Hard Drive Signal
9	Hard Drive Fail

Rear View

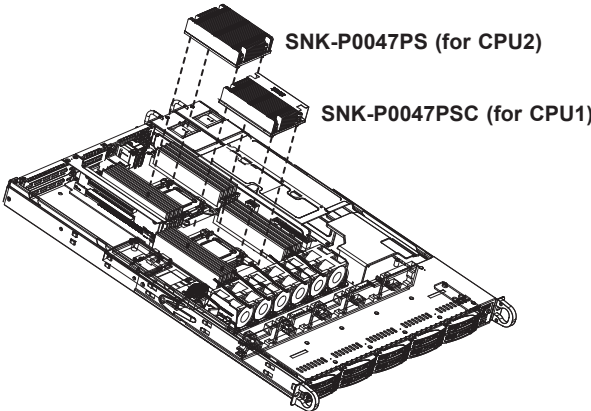


No.	Description
1	PCI-E 3.0 x16 (CPU2) Expansion Slot (FH, 6.6"L)
2	N/A
3	UID Button (Unit Identifier Button)
4	LAN1 & LAN2 (1GbE for WC1R. 10GbE for WC1RT)
5	USB 2.0 Ports
6	VGA Port
7	Redundant Power Supply Module
8	Dedicated LAN for IPMI

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)
- 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>

