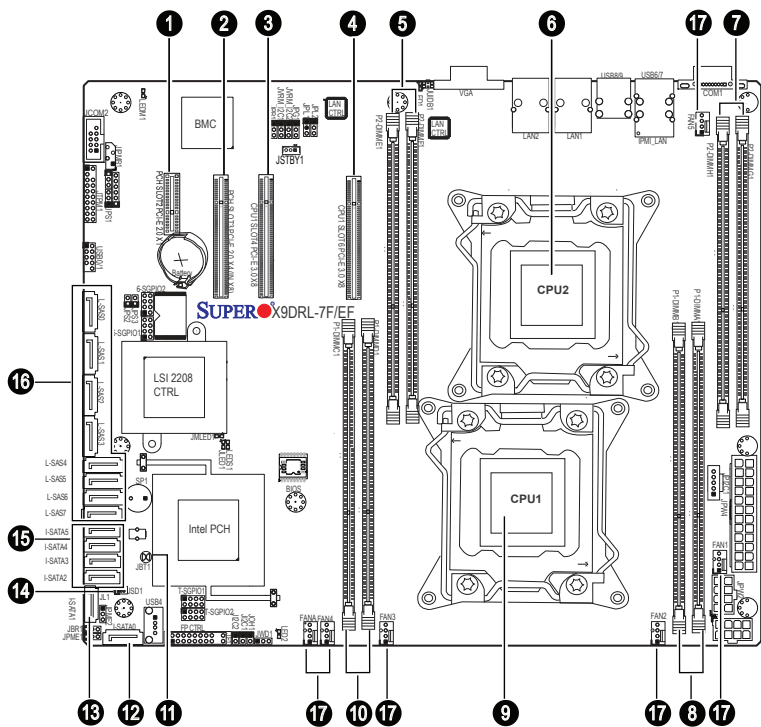


SUPERMICR[®] SuperServer 6017R-MTLF Quick Reference Guide

Board Layout



No.	Description
1	PCH Slot2 PCI-E 2.0 x1
2	PCH Slot3 PCI-E 2.0 x4 (in x8)
3	CPU1 Slot4 PCI-E 3.0 x8
4	CPU1 Slot6 PCI-E 3.0 x8
5	P2-DIMMF1/P2-DIMME1 slot
6	CPU2
7	P2-DIMMH1/P2-DIMMG1 slot
8	P1-DIMMA1/P1-DIMMB1 slot
9	CPU1 (it must be installed on it first)
10	P1-DIMMD1/P1-DIMMC1 slot
11	JBT1 = CMOS Reset
12	I-SATA 3 Port 0 (from Intel PCH)
13	I-SATA 3 Port 1 (from Intel PCH)
14	JSD1: SATA DOM Power Connector
15	I-SATA 2 Ports 2~5 (from Intel PCH)
16	L-SAS 0~7: SAS Ports 0~7(supported by LSI 2208 controller)
17	Fan 1-5, FanA: CPU/System Fan Header

Memory

Processors and their Corresponding Memory Modules				
CPU#	Corresponding DIMM Modules			
CPU1	P1-DIMMA1	P1-DIMMB1	P1-DIMMC1	P1-DIMMD1
CPU2	P2-DIMME1	P2-DIMMF1	P2-DIMMG1	P2-DIMMH1

Processor and Memory Module Population	
Number of CPUs+DIMMs	CPU and Memory Population Configuration Table (For memory to work properly, please install DIMMs in pairs)
1 CPU/2 DIMMs	CPU1: P1-DIMMA1/P1-DIMMB1
1 CPU/4 DIMMs	CPU1: P1-DIMMA1/P1-DIMMB1, P1-DIMMC1/P1-DIMMD1
2 CPUs/2 DIMMs	CPU1 + CPU2: P1-DIMMA1, P2-DIMME1
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, P2-DIMME1/P2-DIMMF1/P2-DIMMG1
2 CPUs/8 DIMMs	CPU1 + CPU2: P1-DIMMA1/P1-DIMMB1/P1-DIMMC1/P1-DIMMD1, P2-DIMME1/P2-DIMMF1/P2-DIMMG1/P2-DIMMH1

Populating with UDIMM ECC/Non-ECC DIMMs

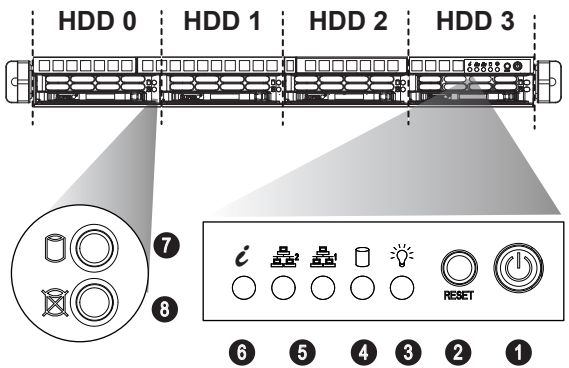
Intel E5-2600 Series Processor UDIMM Memory Support					
Ranks Per DIMM & Data Width	Memory Capacity Per DIMM (see note below)			1 Slot per Channel	
				1DPC	
				1.35V	1.5V
SRx8 Non-ECC	1GB	2GB	4GB	NA	1066, 1333, 1600
DRx8 Non-ECC	2GB	4GB	8GB	NA	1066, 1333, 1600
SRx16 Non-ECC	512MB	1GB	2GB	NA	1066, 1333, 1600
SRx8 ECC	1GB	2GB	4GB	1066, 1333	1066, 1333, 1600
DRx8 ECC	2GB	4GB	8GB	1066, 1333	1066, 1333, 1600

Populating with RDIMM ECC DIMMs

Intel E5-2600 Series Processor RDIMM Memory Support					
Ranks Per DIMM & Data Width	Memory Capacity Per DIMM (See the Note Below)			1 Slot Per Channel	
				1DPC	
				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

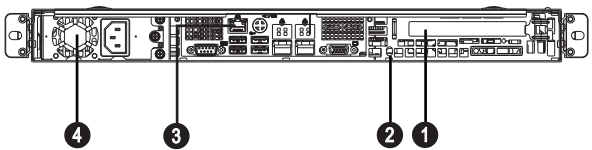
Note: For detailed information on memory support and updates, please refer to the SMC Recommended Memory List at <http://www.supermicro.com/support/resources/mem.cfm>.

Front View & Interface



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

Rear View

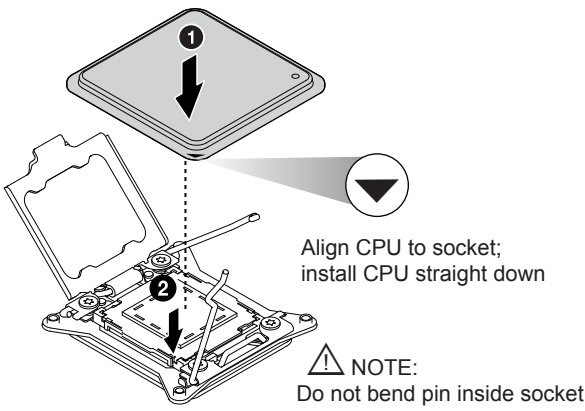


No.	Description
1	PCI Expansion Slot (w/riser card) (FHHL)
2	UID Button
3	Dedicated LAN for IPMI
4	Power Supply Module

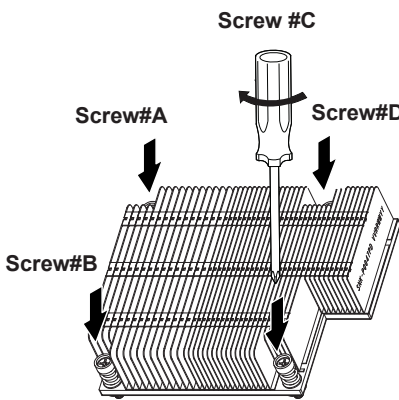
Beep Codes

X9 Motherboard 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 includes USB or PS/2 keyboard, PCI or Serial Console Redirection, IPMI KVM or SOL. Con-Out includes Video Controller, PCI or Serial Console Redirection, IPMI SOL.
1 beep per device	Refresh	1 beep or each USB device detected

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>

