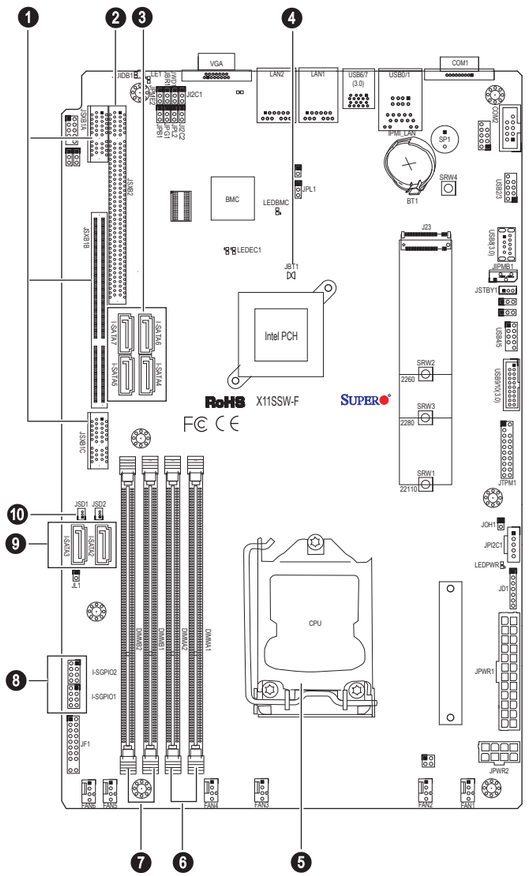
SUPERMICRO® SuperServer 5019S-WR Quick Reference Guide

Board Layout



No.	Description
1	JSXB1A/1B/1C: Supermicro Proprietary WIO_L(Left) Add-On Card slots
2	JSXB2: Supermicro Proprietary WIO_R (Right) Add_On card slot
3	I-SATA 4~7: SATA 3.0 connectors via Intel PCH (6Gb/s)
4	JBT1 = CMOS Reset
5	CPU1
6	DIMMA1 (Blue)/DIMMA2 slot
7	DIMMB1 (Blue)/DIMMB2 slo
8	I-SGPIO 1/2: Serial_Link General Purpose I/O Headers for I-SATA 3.0 Ports
9	I-SATA 2~3: SATA 3.0 connectors via Intel PCH (6Gb/s)
10	JSD1/JSD2: SATA DOM (Device_On_Module) Power Connectors

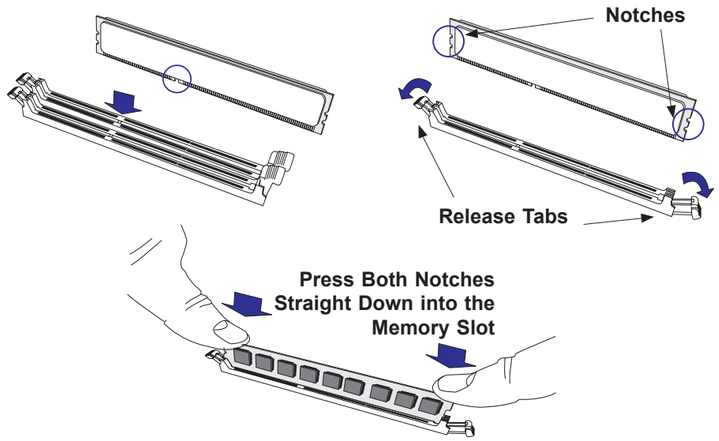
Memory

Memory Module Population						
DIMM Slots per Channel	DIMM Type	POR Speeds	Ranks per DIMM	Layer Count	FW Base	Supported Voltage
2	Unbuffered DDR4 ECC	2133,1866, 1600, 1333	SR, DR	6	SPS	1.2V1

Memory Module Population		
Max Memory Possible	4GB DRAM Technology	POR Speeds
Single Rank UDIMM	16GB (4x 4GB DIMMs)	32GB (4x 8GB DIMMs)
Dual Rank UDIMM	32GB (4x 8GB DIMMs)	64GB (4x 16GB DIMMs)

Polpulating these DIMM modules with a pair of memory modulesof the same type and same size wil result in interleaved memory, which will improve memory performance

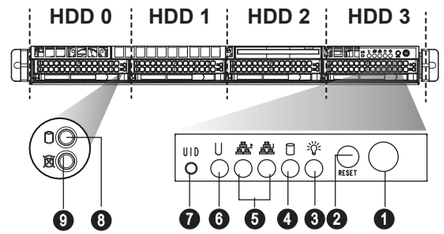
(Blue Slot) DIMMB2
DIMMB1
(Blue Slot) DIMMA2
DIMMA1



Beep Codes

Beep Code/LED	Error Message	Description
1 beep	Refresh	Circuits have been reset. (Ready to power up)
5 short beeps + 1 long beep	Memory error	No memory detected in the system
8 beeps	Display memory read/write error	Video adapter missing or with faulty memory
OH LED On	System OH	System Overheat

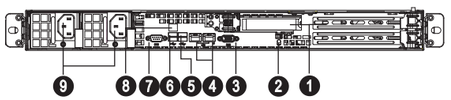
Front View & Interface



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

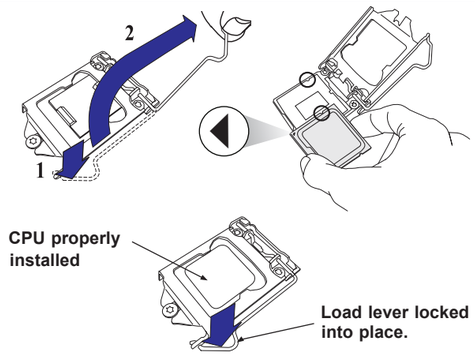
Universal Information LED States	
State	Indication
Fast Blinking Red (1x/sec)	Fan Fail
Solid Red	CPU Overheat
Slow Blinking Red (1x/4 sec)	Power Fail
Solid Blue	Local UID Button Depressed
Blinking Blue	IPMI-Activated UID

Rear View

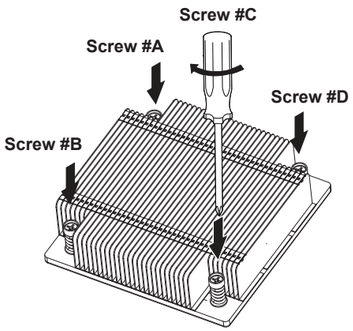


No.	Description
1	PCI-E Expansion Slots (w/riser cards)
2	UID Button
3	VGA Port
4	GbE LAN1 Port/GbE LAN2 Port
5	USB 3.0 port 3~4
6	USB 2.0 port 0~1
7	COM1 Port
8	Dedicated LAN for IPMI
9	Redundant Power Supply Modules

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