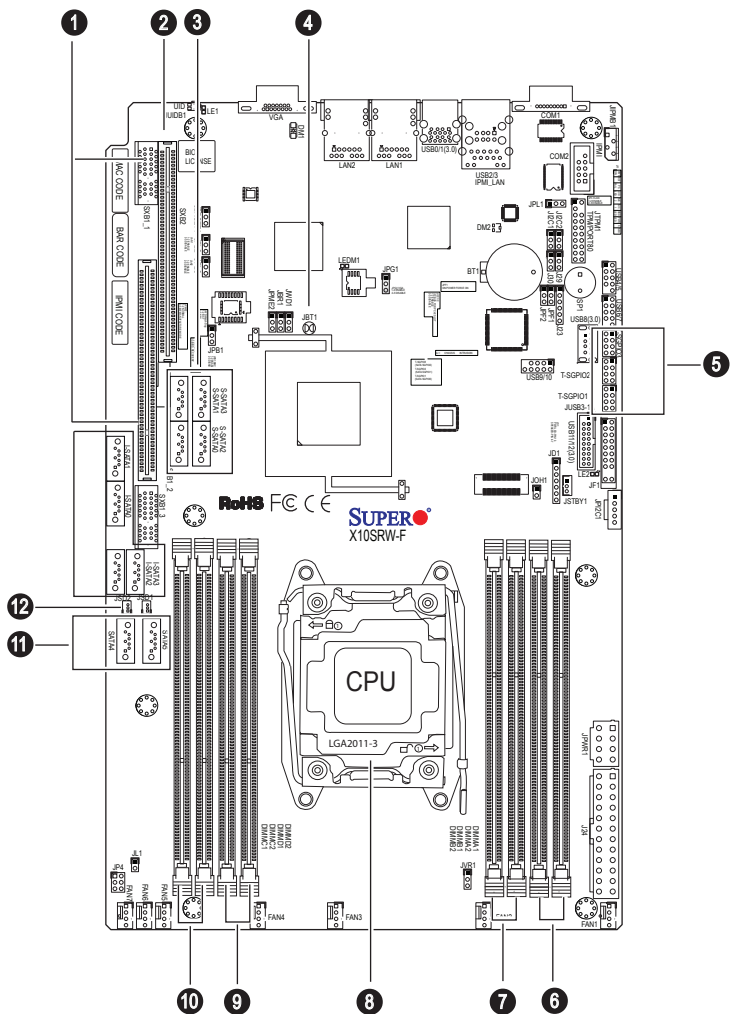


SUPERMICR SuperServer 1018R-WR Quick Reference Guide

Board Layout



No.	Description
1	SXB1A/SXB1B/SXB1C: SMC-Proprietary WIO_L(Left) Add-On Card slots
2	SXB2: SMC-Proprietary WIO_R (Right) Add_On card slot
3	S-SATA 0~ 3: S-SATA Ports 0~3 (6Gb/sec)
4	JBT1 = CMOS Reset
5	T-SGPIO 1/2/3: Serial_Link General Purpose I/O Headers 1/2/3 for SATA Connection
6	DIMMA1 (Blue)/DIMMA2 slot
7	DIMMB1 (Blue)/DIMMB2 slot
8	CPU1
9	DIMMD1(Blue)/DIMMD2 slot
10	DIMMC1(Blue)/DIMMC2 slot
11	SATA 4/5: SATA DOM (Disk_On_Module) Ports 4/5
12	JSD1/JSD2: SATA DOM (Device_On_Module) Power Connectors

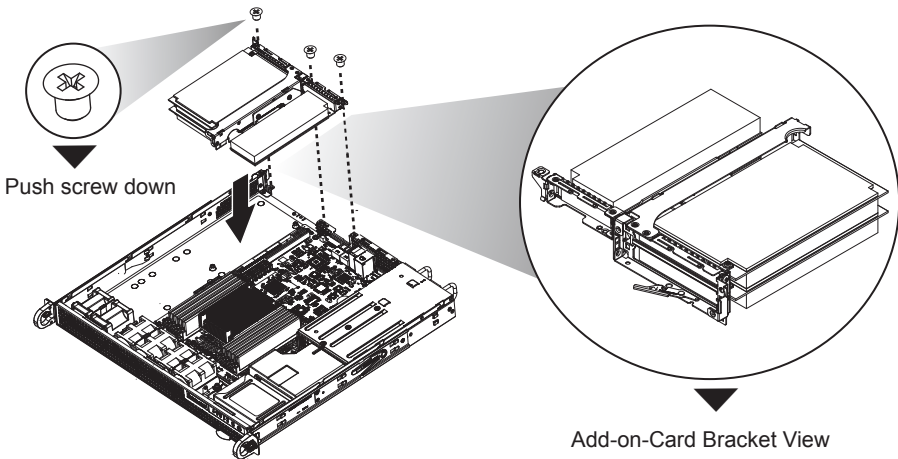
Memory

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)			
				2 Slots per Channel			
				1 DPC		2 DPC	
		E5-2600 V3	E5-2600 V4	E5-2600 V3	E5-2600 V4		
		4 Gb	8 Gb	1.2 V	1.2 V	1.2 V	1.2 V
RDIMM	SRx4	8 GB	16 GB	2133	2400	1866	2133
RDIMM	SRx8	4 GB	8 GB	2133	2400	1866	2133
RDIMM	DRx8	8 GB	16 GB	2133	2400	1866	2133
RDIMM	DRx4	16 GB	32 GB	2133	2400	1866	2133
LRDIMM	QRx4	32 GB	64 GB	2133	2400	2133	2400
LRDIMM 3DS	8Rx4	64 GB	128 GB	2133	2400	2133	2400

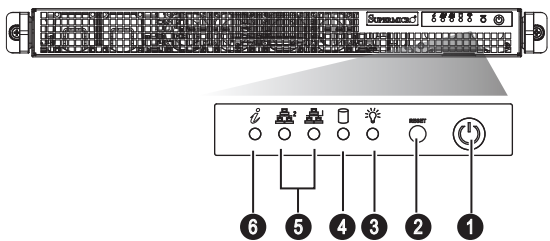
Beep Codes

BIOS Beep Codes		
Beep Code/LED	Message	Description
1 beep	Refresh	Circuits have been reset. (Ready to power up)
5 short beeps + 1 long beep	Memory	No memory detected
5 long beeps	Display memory read/write status	Video adapter missing or with faulty memory
1 beep per device	Refresh	1 beep for each USB device
OH LED On	System	System overheat

Add-on-Card Bracket Installation



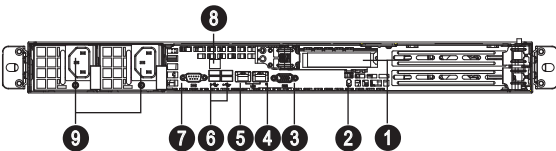
Front View & Interface



No.	Description
1	Power Button
2	Reset Button
3	Power LED
4	Device Activity LED
5	LAN1 LED & LAN2 LED
6	Information LED

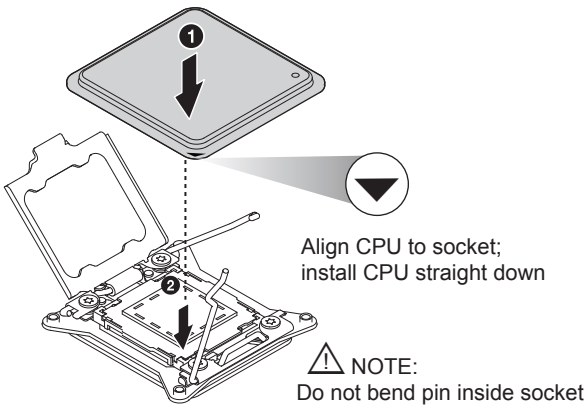
Universal Information LED States	
State	Indication
Fast Blinking	Red (1x/sec)Fan Fail
Solid Red	CPU Overheat
Slow Blinking	Red (1x/4 sec)Power Fail
Solid Blue	Local UID Button Depressed
Blinking	BlueIPMI-Activated UID

Rear View

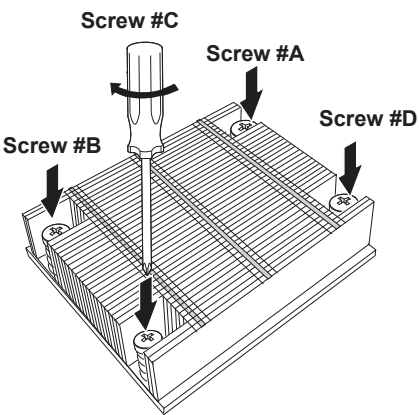


No.	Description
1	PCI-E Expansion Slots (w/riser cards)
2	UID Button
3	VGA Port
4	GbE LAN2 Port
5	GbE LAN1 Port
6	USB 2.0 (Port 0~ 3 Ports)
7	COM1 Port
8	Dedicated LAN for IPMI
9	Redundant Power Supply Modules

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>