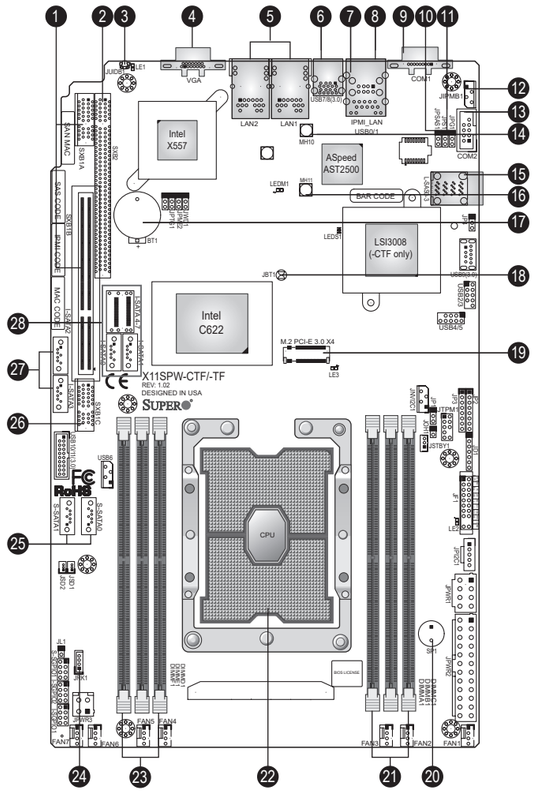
SUPERMICRO SuperServer 1019P-FHN2T Quick Reference Guide

Board Layout



No.	Description
1	SXB1A/1B: WIO Left Add-on Card Slots
2	WIO Right Add-on Card Slot
3	Unit Identifier (UID) Switch
4	VGA Port
5	10GbE LAN Ports
6	USB 3.0 Ports
7	Dedicated IPMI LAN Port
8	Universal Serial Bus (USB) 2.0 Ports
9	COM 1 Port
10	SAS HDD Enable/Disable
11	SAS 3.0 Enable/Disable
12	4-pin BMC External I2C Header (for an IPMI card)
13	COM 2 Port
14	M.2 Mounting Holes
15	SAS 3.0 Ports (with RAID 0, 1, 10) (X11SPW-CTF only)
16	M.2 Mounting Holes
17	Onboard Battery
18	CMOS Clear
19	M.2 PCI-E 3.0 x4 or SATA 3.0 Slot
20	Internal Speaker/Buzzer
21	DIMMA1~DIMMC1
22	CPU
23	DIMMD1~DIMMF1
24	RAID Key
25	SATA 3.0 Ports (with RAID 0, 1, 5, 10)
26	SXB1C: WIO Left Add-on Card Slots
27	SATA 3.0 Ports (with RAID 0, 1, 5, 10)
28	SATA 3.0 Ports (with RAID 0, 1, 5, 10)

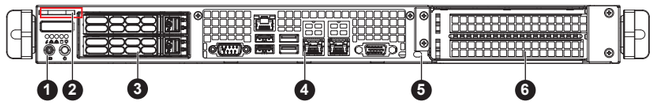
Memory Support

DDR4 Memory Support for 82xx/62xx/52xx/42xx/32xx Platform

DIMM Type	Ranks Per DIMM and Data Width	DIMM Capacity (GB)			Speed (MT/s); Voltage (V); Slots per Channel (SPC) and DIMMs per Channel (DPC)		
					1 Slots per Channel	2 Slots per Channel	
					1DPC	1DPC	2DPC
		4 Gb	8 Gb	16 Gb	1.2 V	1.2 V	1.2 V
RDIMM	SRx4	4 GB	8 GB	16GB	2933	2933	2933
RDIMM	SRx8	8 GB	16 GB	32GB			
RDIMM	DRx8	8 GB	16 GB	32GB			
RDIMM	DRx4	16 GB	32 GB	64GB			
RDIMM 3Ds	QRX4	N/A	2H-64GB	2H-128GB			
	8RX4	N/A	4H-128GB	4H-256GB			
LRDIMM	QRx4	32 GB	64 GB	128GB			
LRDIMM 3Ds	QRX4	N/A	2H-64GB	2H-128GB			
	8Rx4	N/A	4H-128 GB	4H-256GB			

Note 1: 2933MHz memory is supported only by the 82xx/62xx series processors.
Note 2: Refer to the Memory Configuration User Guide for the X11 UP/DP/MP Moth-erboards on the Supermicro website for detailed information on memory support for this motherboard.
*** 4Gb DRAM density is only supported on speeds up to 2666MT/s.**

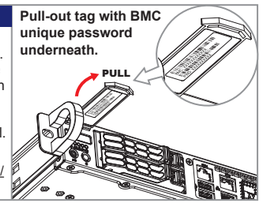
Front View and Features



BMC Password Label

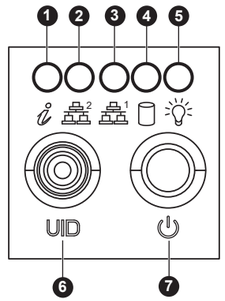
Each system comes with a unique default password for the ADMIN user. This can be found on a sticker on the motherboard and a sticker underneath the service tag on chassis.
If necessary, the password can be reset by the Supermicro IPMICFG tool.

For more information, please visit https://www.supermicro.com/en/solutions/management-software/bmc-resources



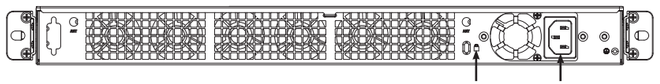
Item	Description
1	Control Panel
2	Service/Asset Tag (BMC label)
3	Drives
4	I/O Ports
5	UID LED
6	PCI-E

Control Panel



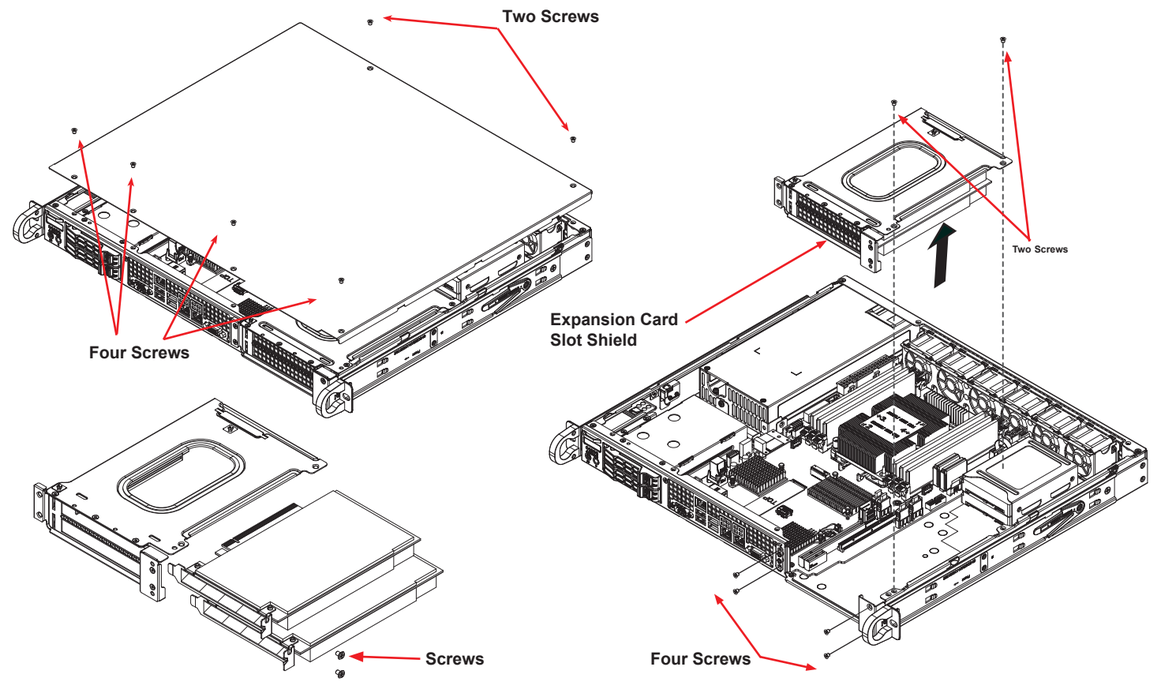
Control Panel Features		
Item	Features	Description
1	Informational LED	Solid red indicates an overheated condition. 1Hz blinking red indicates a fan failure.
2	NIC2 LED	Indicates network activity on LAN port 2 when flashing.
3	NIC1 LED	Indicates network activity on LAN port 1 when flashing.
4	HDD LED	Indicates hard drive activity when flashing.
5	Power LED	Indicates power is being supplied to the system power supply.
6	UID Button	The UID is used to switch/turn on/turn off UID LED next to the PCI-E slots.
7	Power	The main power button is used to apply or remove power from the power supply to the server.

Rear Features



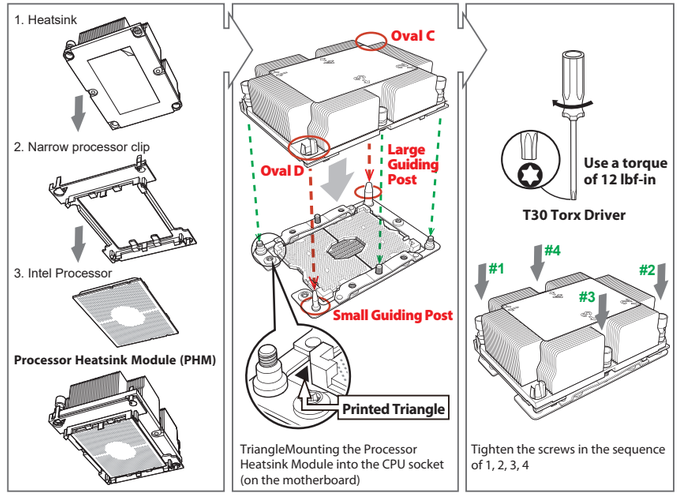
Accessing the System and Installing PCI Expansion Cards

Remove the six screws and rotate the rear portion of the cover up.
The system includes a pre-installed riser card that positions one or two full-height, PCI-E x16 cards at a 90 degree angle, allowing it to fit inside the chassis.



Note: If installing two NVIDIA T4 GPUs in the riser card bracket, the processor must consume less than 165W TDP.

Heatsink Installation



Beep (POST) Codes

BIOS Beep (POST) Codes	
Beep Code	**Description**
1 beep	Circuits have been reset (Ready to power up)
5 short, 1 long	No memory detected in system
5 long, 2 short	Video adapter missing or with faulty memory
1 long continuous	System overheat condition

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.

⚠ **WARNING:**
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