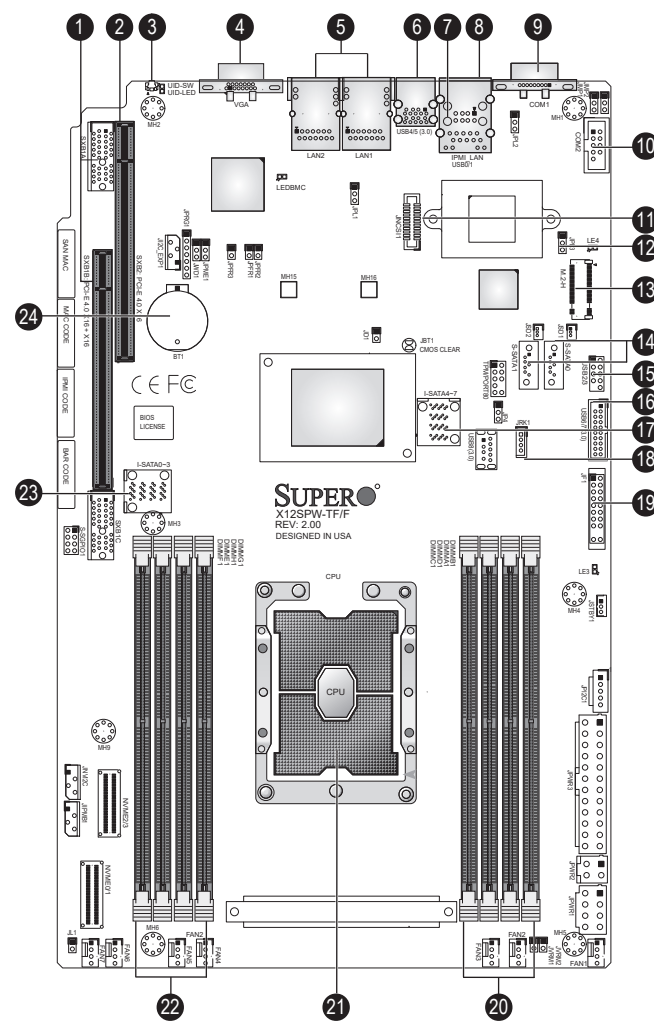


SUPERMICR SuperServer E403-12P-FN2T Quick Reference Guide

Board Layout



No.	Description
1	SXB1A, SXB1B, SXB1C , WIO Left Add-on Card Slots
2	SXB2 , WIO Right Add-on Card Slot
3	UID switch
4	VGA Port
5	10GbE LAN(RJ45) Ports
6	USB 3.2 Ports
7	Dedicated IPMI LAN Port
8	USB 2.0 Ports
9	COM Port
10	COM Header
11	NC-SI Header for IPMI Support
12	LAN1/2 Enable/Disable
13	M.2 PCIe 3.0 x4/SATA3 Slot (M-Key 2280 & 22110)
14	SATA 3.0 Ports(with SATA DOM Power)
15	Front Accessible USB 2.0 Headers
16	Front Accessible USB 3.2 Gen 1 Header
17	Intel® PCH SATA 3.0 Ports (with RAID 0, 1, 5, 10)
18	RAID Key
19	Front Control Panel Header
20	DIMMA1~DIMMD1
21	CPU Socket LGA-4189 (Socket P+)
22	DIMMF1~DIMMG1
23	Intel® PCH SATA 3.0 Ports (with RAID 0, 1, 5, 10)
24	Onboard Battery

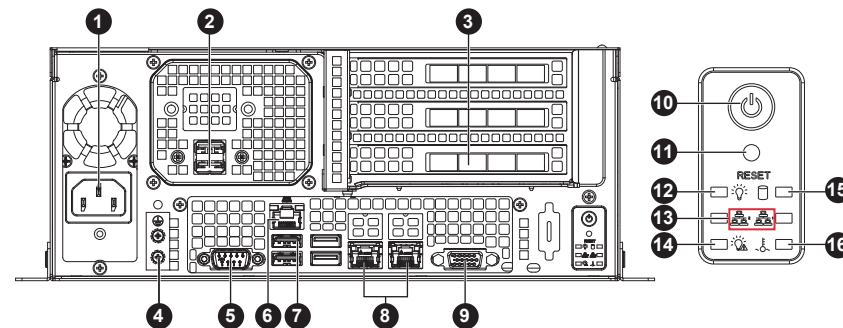
Memory Support

Type	Ranks Per DIMM and Data Width	DIMM Capacity (GB)		Speed (MT/s); Voltage (V); Slot Per Channel (SPC) and DIMM Per Channel (DPC) *Data below assumes 2 SPC unless otherwise noted.
		8 Gb	16 Gb	
RDIMM	SRx8	8 GB	16 GB	1DPC 1.2V
	SRx4	16 GB	32 GB	
	DRx8	16 GB	32 GB	
	DRx4	32GB	64 GB	
RDIMM-3DS	(4R/8R) x4	2H-64F GB 4H-128 GB	2H-128 GB 4H-256 GB	3200
LRDIMM	QRx4	64 GB	128 GB	3200
LRDIMM-3DS	(4R/8R) X4	4H-128 GB	2H-128 GB 4H-256 GB	3200

1 CPU, 8-DIMM Slots	
Number of DIMMs	Memory Population Sequence
1	DIMMA1
2	DIMMA1 / DIMME1
4	DIMMA1 / DIMME1 / DIMMC1 / DIMMG1
6	DIMMA1 / DIMME1 / DIMMC1 / DIMMG1 / DIMMB1 / DIMMF1
8	DIMMA1 / DIMME1 / DIMMC1 / DIMMG1 / DIMMB1 / DIMMF1 / DIMMD1 / DIMMH1

Check the Supermicro website for possible updates to memory support.

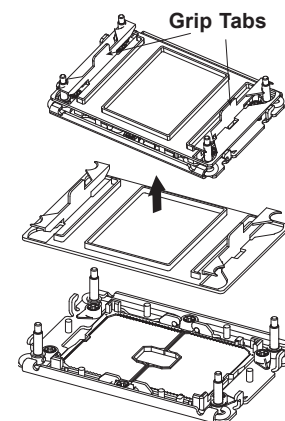
Front View and Control Panel



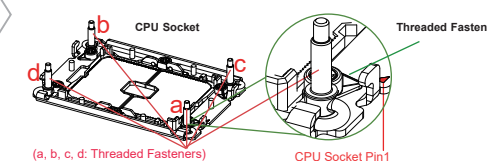
Item	Description
1	Power Supply
2	USB 3.2 Ports
3	PCI-E X16 slots
4	Ground
5	COM Port
6	Dedicated IPMI
7	USB 2.0 & 3.2 Ports
8	10GbE LAN
9	VGA
10	Power Button
11	Reset Button
12	Power LED
13	NIC LED
14	Power Fail LED
15	HDD LED
16	Overheat LED

Heatsink Installation

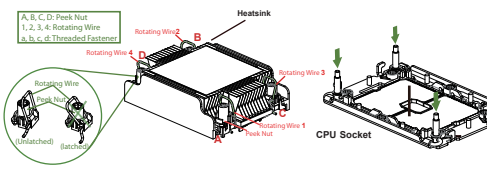
Remove the plastic protective cover from the CPU socket. Gently squeeze the grip tabs then pull the cover off.



Locate four threaded fasteners (a, b, c, d) on the CPU socket.

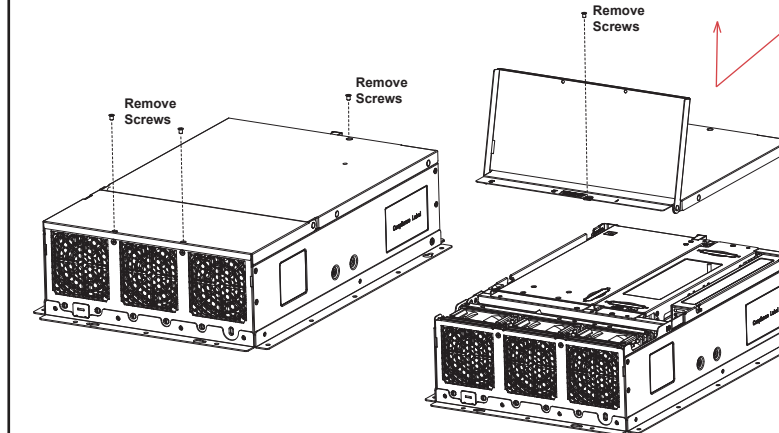


Locate four PEEK nuts (A, B, C, D) and four rotating wires (1, 2, 3, 4) on the heatsink as shown below.



Accessing the System

Remove the three screws and rotate the rear portion of the cover up

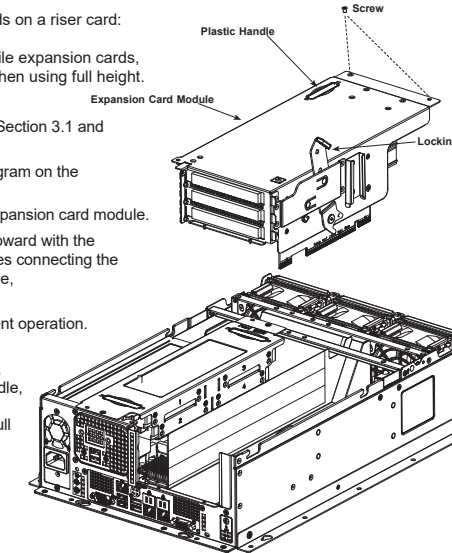


Installing or Replacing the Expansion Card Module

The system supports up to three PCIe cards on a riser card: three PCIe 4.0 x16 slots.
The system supports full height or low profile expansion cards, although you must modify the air shroud when using full height.

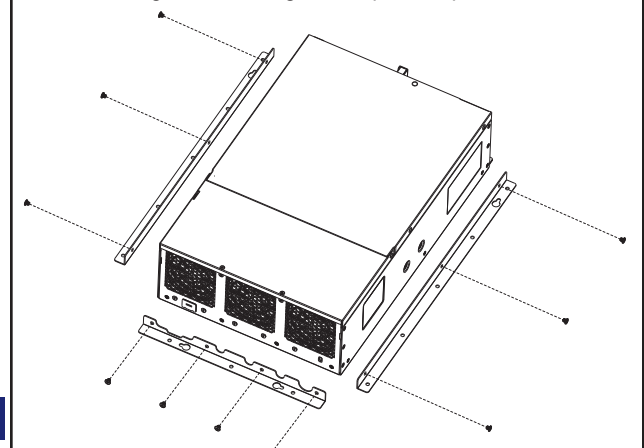
- Power down the system as described in Section 3.1 and remove the chassis cover.
- Remove the screws, as shown in the diagram on the following page.
- Pull the locking lever up to release the expansion card module.
- Gently pull the expansion card module upward with the aid of the plastic handle. There are two cables connecting the motherboard and the expansion card module, so take care not to jerk the cables.
- If needed, detach the cables for convenient operation.
- In the removed expansion card module, install expansion cards. For full height cards, install first in the top-most slot, then the middle, and then the bottom slot. Note that you must also modify the main air shroud to fit full height cards. (See previous section.)
- If the cables have been detached, reconnect the cables.
- Replace the expansion card module and secure it with two screws.
- Reinstall the chassis top cover, reconnect the AC power cord, and power up the system.

Caution: If installing three NVIDIA T4 GPUs in the expansion cards module, the processor must consume less than or equal to 165W TDP.



Mounting the Chassis on the Wall

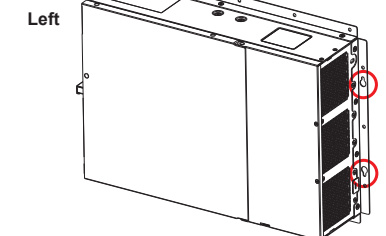
Attach the three wall mount brackets to the chassis using the ten M4xL4 screws.
The mounting bracket along the I/O panel is pre-attached.



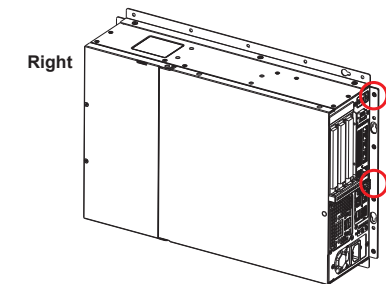
Please refer to user manual for more information.

Four Key Holes

Decide on an orientation to mount the server.
The server can only be mounted with the I/O panel facing left or right.



Possible mounting orientations



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.
- Please clean the dust filters regularly**
For more information go to:
<http://www.supermicro.com/support>

