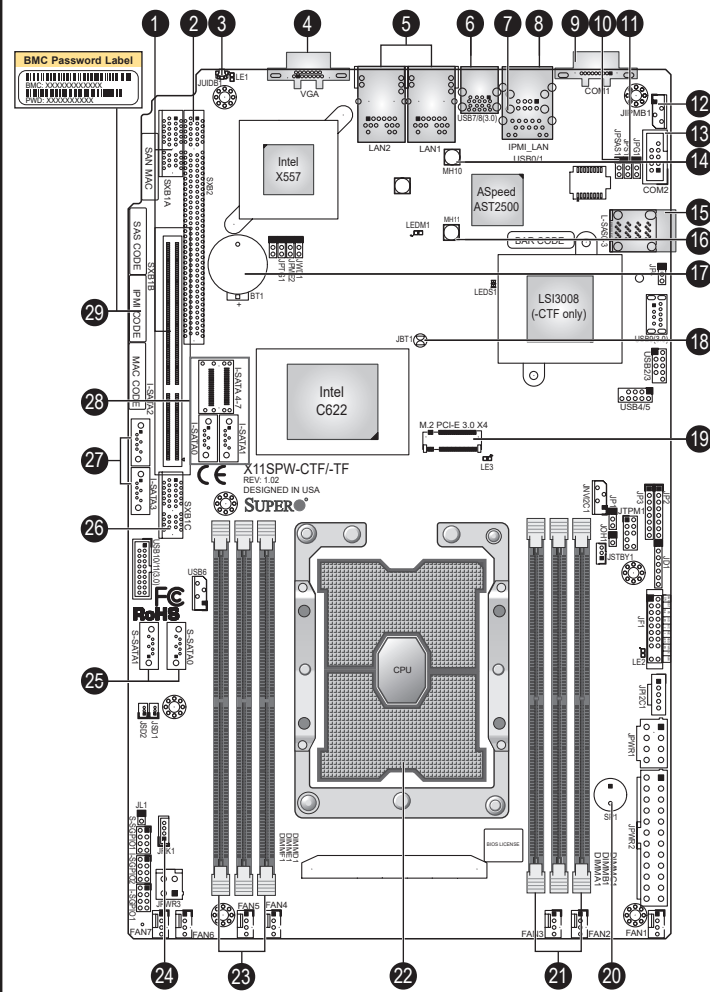


SUPERMICR SuperServer E403-9P-FN2T Quick Reference Guide

Board Layout



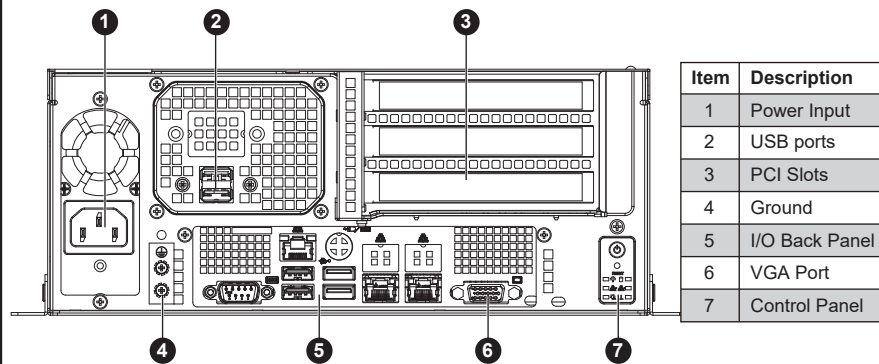
No.	Description
1	SXB1A/1B: WIO Left Add-on Card Slots
2	WIO Right Add-on Card Slot
3	Unit Identifier (UID) Switch
4	VGA Port
5	10GbE LAN Ports
6	USB 3.0 Ports
7	Dedicated IPMI LAN Port
8	Universal Serial Bus (USB) 2.0 Ports
9	COM 1 Port
10	SAS HDD Enable/Disable
11	SAS 3.0 Enable/Disable
12	4-pin BMC 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)
29	BMC Password Label

Memory Support

Type	Ranks Per DIMM and Data Width	DIMM Capacity (GB)			Speed (MT/s)		
		DRAM Density			One Slot per Channel	Two Slots per Channel	
		4 Gb*	8 Gb	16 Gb	One DIMM per Channel	One DIMM per Channel	Two DIMMs per Channel
RDIMM	SRx4	4 GB	8 GB	16 GB	2933**	2933**	2933**
	SRx8	8 GB	16 GB	32 GB			
	DRx8	8 GB	16 GB	32 GB			
RDIMM 3Ds	QRx4	N/A	2H-64GB	2H-128GB	2933**	2933**	2933**
	8Rx4	N/A	4H-128GB	4H-256GB			
	QRx4	32 GB	64 GB	128 GB			
LRDIMM	QRx4	N/A	2H-64GB	2H-128GB	2933**	2933**	2933**
	8Rx4	N/A	4H-128 GB	4H-256 GB			
	QRx4	N/A	4H-128 GB	4H-256 GB			

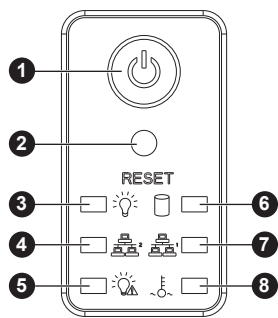
*4Gb DRAM density is only supported on speeds up to 2666 MT/s
 **Only the 82xx and 62xx series support 2933 MT/s; for other processors, memory speed as supported by the CPU.
 Check the Supermicro website for possible updates to memory support.

Front View and Features



Item	Description
1	Power Input
2	USB ports
3	PCI Slots
4	Ground
5	I/O Back Panel
6	VGA Port
7	Control Panel

Control Panel



Item	Features	Description
1	Power button	The main power switch applies or removes primary power from the power supply to the server but maintains standby power
2	Reset Button	System reset button
3	Power LED	Indicates power is being supplied to the system power supply units
4	NIC LED	Indicates network activity on LAN2 when flashing
5	Power Fail LED	Indicates a power supply module has failed
6	HDD LED	Indicates activity on the hard drive when flashing
7	NIC LED	Indicates network activity on LAN1 when flashing
8	Overheat LED	Indicates an 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.



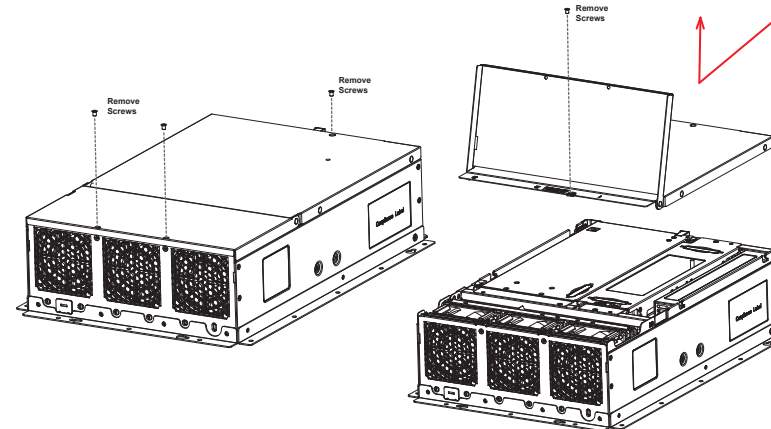
Please clean the dust filters regularly

For more information go to:

<http://www.supermicro.com/support>

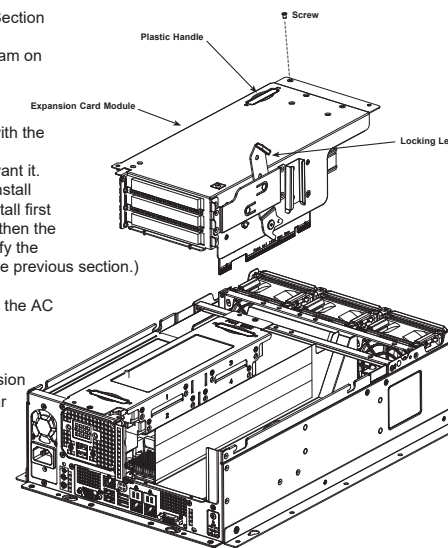
Accessing the System

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



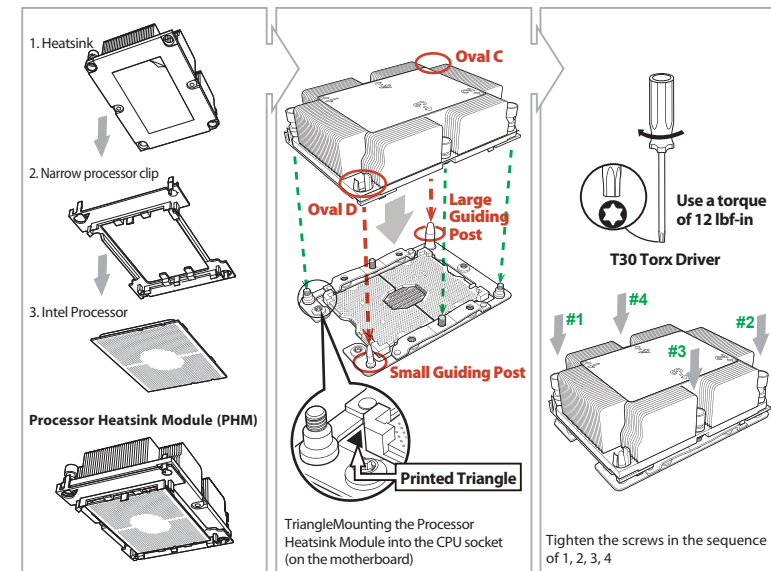
Installing or Replacing the Expansion Card Module

- Power down the system as described in Section 2.1 and remove the chassis cover.
- Remove the screw, as shown in the diagram on the following page.
- Pull the locking lever up to release the expansion card module.
- Pull the expansion card module upward with the aid of the plastic handle.
- Be sure the JSEL1 jumper is set as you want it.
- 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.)
- Replace the expansion card module.
- Reinstall the chassis top cover, reconnect the AC power cord and power up the system.



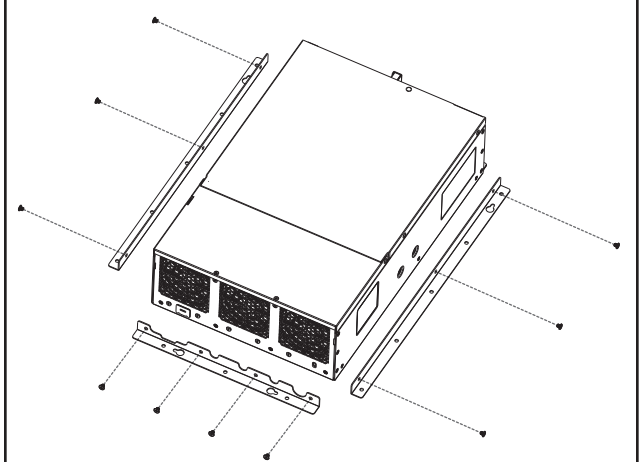
"Note: When you add or change an expansion card, and if you load the BIOS default, clear CMOS, or update your BIOS, you must configure: UEFI BIOS > Advanced tab > Chipset Configuration > North Bridge > IIO Configuration > CPU Configuration. The setting for IOU2 is x8x8 or x16. The setting for IOU1 is Auto."

Heatsink Installation



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.

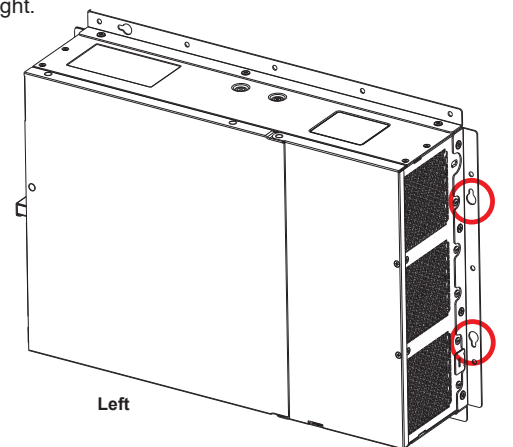


Please refer to user manual for more information.

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

