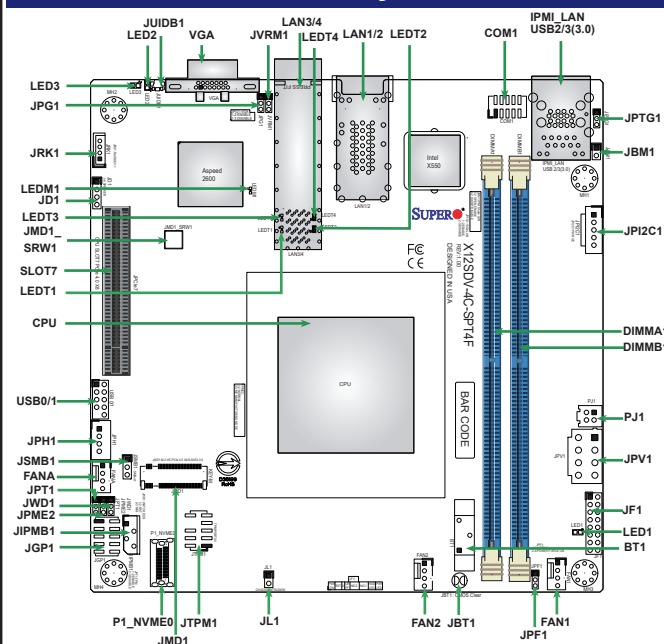


SUPERMICR SuperServer E200-12D-4C/8C/10C Series Quick Reference Guide

Board Layout



Quick Reference Table

Jumper	Description	Default Setting
JBM1	IPMI Shared LAN Enable/Disable	Open (Enabled)
JBT1	CMOS Clear	Open (Normal)
JPG1	VGA Enable/Disable	Pins 1-2 (Enabled)
JPME2	ME Manufacturing Mode	Pins 1-2 (Normal)
JPT1	Onboard TPM 2.0 Enable/Disable	Pins 1-2 (Enabled)
JPTG1	LAN1/2 Enable/Disable	Pins 1-2 (Enabled)
JWD1	Watchdog Timer	Pins 1-2 (Reset)

LED	Description	Status
LED1	Power LED	Solid Green: Power On
LED2	UID LED	Solid Blue: Unit Identified
LED3	Overheat/PWR Fail/Fan Fail LED	Solid Red: Overheat Blinking Red: PWR Fail or Fan Fail
LEDM1	BMC Heartbeat LED	Blinking Green: BMC Normal

Connector	Description
BT1	Onboard Battery
COM1	COM Header
FAN1-FAN2, FANA	CPU/System Fan Headers
IPMI LAN	Dedicated IPMI LAN Port
JD1	Internal Speaker Header (Pins 1-4: Speaker)
JF1	Front Control Panel Header
JGP1	General Purpose I/O Header
JIPMB1	4-pin BMC External I ² C Header
JL1	Chassis Intrusion Header
JMD1	M.2 M-Key 2280 (PCIe 4.0 x4/SATA 3.0) Slot
JMD1_SRW1	M.2 Mounting Hole
JPH1	4-pin HDD Power Connector
JPI2C1	Power System Management Bus I ² C Header
JPV1	8-pin 12 VDC Power Input (Required for 12 V only or 24-pin ATX power)
JRK1	Intel RAID Key Header
JSMB1	System Management Bus Header
JTPM1	Trusted Platform Module/Port 80 Connector
JUIDB1	Unit Identifier Switch
LAN1/2	10GbE Base-T RJ45 LAN Ports
LAN3/4	25GbE SFP28 LAN Ports
P1_NVME0	PCIe 3.0 x4 OCuLink Connectors (Supports PCIe x4 or 4x SATA)
PJ1	ATX Power Signal Header (Supermicro P/N for cable: CBL-PWEX-1063)
SLO7	PCIe 4.0 x8 Slot
USB0/1	USB 2.0 Header
USB2/3	Back Panel USB 3.0 Ports
VGA	VGA Port

System Features

Processors	
10C: Single Intel Xeon® Processor D-1749NT/8C: Single Intel Xeon® Processor D-1736NT/4C: Single Intel Xeon® Processor D-1718T	
Memory	
Up to 128 GB ECC RDIMM, DDR4 2666 MHz or 128 GB ECC/non-ECC DDR4 2666 MHz memory	
Drive Support	
One M.2 (PCIe 4.0 x4/SATA 3.0, M-Key 2280)	
Network	
Two RJ45 GbE LAN ports, nine RJ45 10GbE LAN ports, two 10G SFP+ LAN ports, and one RJ45 dedicated IPMI LAN port	
Storage Drives	Input/Output
Four internal SATA3 2.5" drive bays	Two RJ45 10GbE LAN ports One dedicated RJ45 IPMI LAN port Two SPF28 25GbE LAN ports Two USB 3.0 Type A ports One VGA port
Chassis	
CSE-101F	
USB	
2 USB 3.0 port(s) (2 Type A)	
Chipset	
Intel® SoC	
Power	
One external 180 watt DC power adapter	
Cooling	
Three 4-cm chassis fans	
Dimensions	
Mini-1U, (WxHxD) 7.7 x 1.7 x 8.9 in. (195 x 43 x 226 mm)	

Front View and Control Panel



Item	Description
1	Power Button
2	Reset Button
3	HDD LED
4	NIC LEDs
5	Power Fail LED
6	Information LED

Rear View

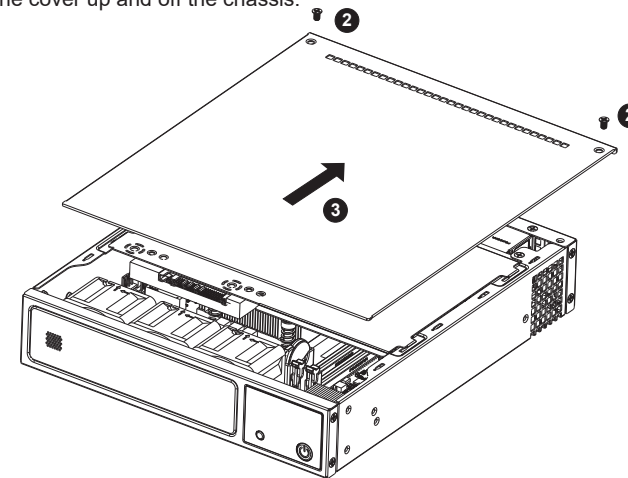


Item	Description	Item	Description
1	Power input jack for lockable power adapter cord	6	RJ45 10GbE LAN port
2	K-slot for a standard Kensington cable locking device (not included)	7	RJ45 10GbE LAN port
3	Dedicated IPMI LAN port	8	SFP28 25GbE LAN port
4	USB 3.0 port	9	SFP28 25GbE LAN port
5	USB 3.0 port	10	VGA port

Accessing the System

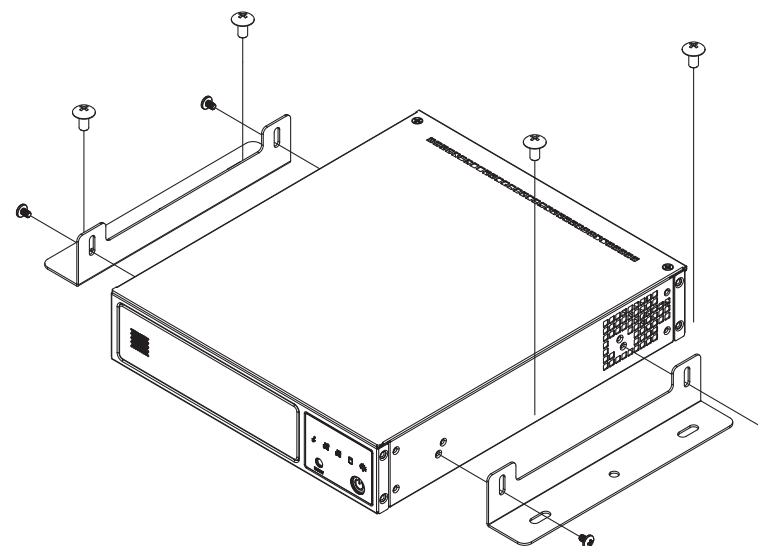
Removing the Chassis Cover Removing the Bottom Cover

1. Power down the system.
2. Remove the two screws that hold the cover in place.
3. Lift the cover up and off the chassis.



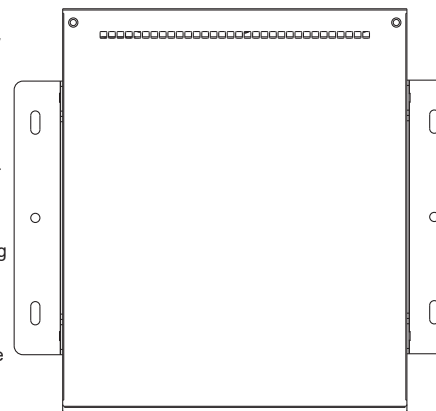
Installing Mounting Brackets

STEP 1: Installing the Mounting Brackets



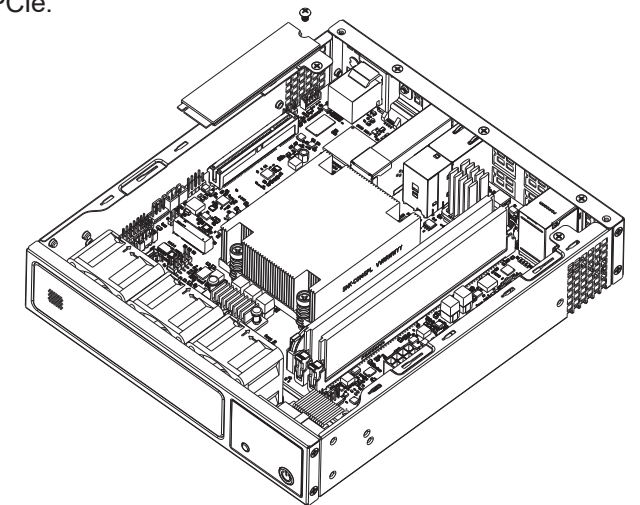
STEP 2: Power Adapter Bracket

1. Install the mounting bracket to the wall by using four screws.
2. Unlock the latch on the top of chassis bracket and slide the latch upward.
3. Hang the server system on the mounting bracket hooking the four keyholes on four knobs of the bracket.
4. Secure the server system to the bracket by sliding the latch back down and flipping tab to lock.
5. Additional power adapter bracket on the bottom of the chassis bracket.
6. Secure the power adapter by lowering the latch and tightening the screw.

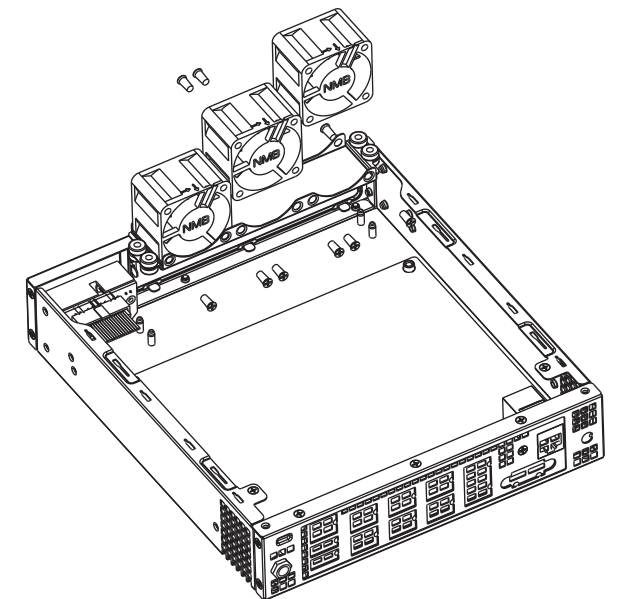


Installing or Replacing the M.2 Storage drive

This motherboard supports an internally mounted solid state storage card by means of an M.2 slot supporting PCIe.



Installing or Replacing the Fans



Mounting the chassis on the Rack

