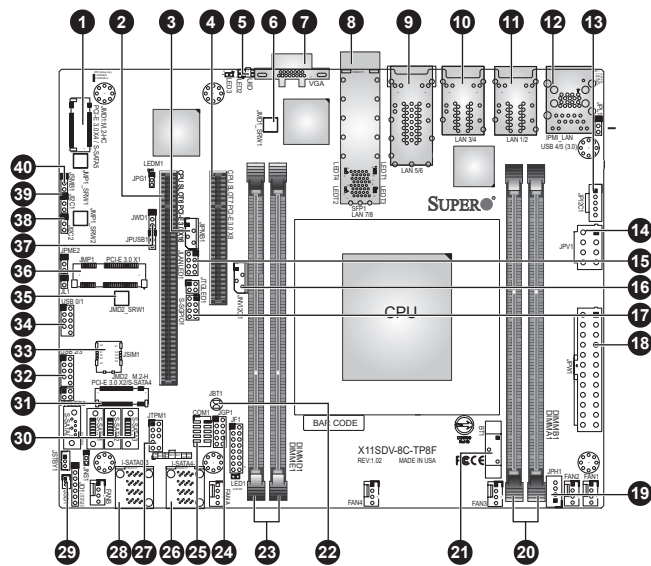


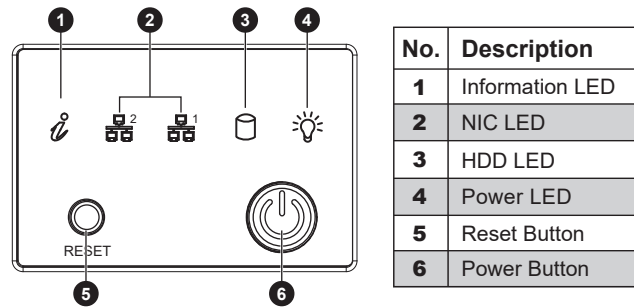
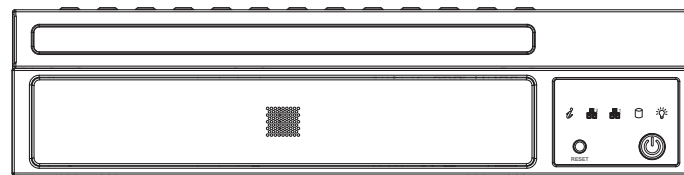
SUPERMICR® SuperServer E301-9D-8CN8TP Quick Reference Guide

Board Layout



No.	Jumper & Description
1	JMD1: M.2 PCI-E 3.0 x4, S-SATA5 Connector (M-Key 2280)
2	SLOT6: CPU PCI-E 3.0 x16 Slot
3	JIPMB1: System Management Bus Header (for IPMI only)
4	SLOT7: CPU PCI-E 3.0 x8 Slot
5	UID: Unit Identifier Button
6	JMD1_SRW1: M.2 Holding Screws
7	VGA: VGA Port
8	LAN7/8: 10G SFP+ LAN Ports
9	LAN5/6: 10GbE (RJ45) LAN Ports
10	LAN3/4: 1GbE (RJ45) LAN Ports
11	LAN1/2: 1GbE (RJ45) LAN Ports
12	IPMI/USB4/5 (3.0): 10Gigabit Ethernet (RJ45) Ports
13	J1°C2: Power I°C System Management Bus (Power SMB) Header
14	JPV1: 12V 8-pin DC Power Connector
15	JLANLED1: LAN1 - LAN4 Activity LED Header
16	JNV1°C1: NVMe I°C Header
17	S-SGPIO1: Serial General Purpose I/O Header for S-SATA0-3
18	JPW1: 24-pin ATX Main Power Connector
19	JPH1: 4-pin Power Connector for HDD use
20	DIMMB1~DIMMA1
21	BT1: Onboard Battery
22	JBT1: CMOS Clear
23	DIMMD1~DIMME1
24	JGP1: General Purpose I/O Header
25	COM1: COM Header
26	I-SATA4-7: Eight Intel® PCH SATA 3.0 Ports or Two NVMe U.2 Ports
27	JTPM1: Trusted Platform Module (TPM)/Port 80 Connector
28	I-SATA0-3: Eight Intel® PCH SATA 3.0 Ports or Two NVMe U.2 Ports
29	JSD1: SATA Disk On Module (DOM) Power Connector
30	S-SATA0 - S-SATA3: SATA 3.0 Ports
31	JMD2: PCI-E 3.0 x2/USB 3.0, S-SATA4 Connector (B-Key 3042)
32	USB2/3: Front Accessible USB 2.0 Headers
33	JSIM1: Nano SIM Slot for M.2 B-Key WAN card support
34	USB0/1: Front Accessible USB 2.0 Headers
35	JMD2_SRW1: M.2 Holding Screws
36	JMP1: Mini PCI-E x1 Connector
37	JWD1: Watch Dog
38	J1°C2: SMB to PCI-E Slots Enable/Disable
39	J1°C1: SMB to PCI-E Slots Enable/Disable
40	JSMB1: System Management Bus Header

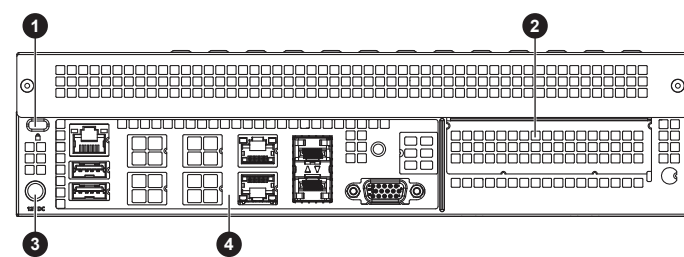
Front View and Control Panel



No.	Description
1	Information LED
2	NIC LED
3	HDD LED
4	Power LED
5	Reset Button
6	Power Button

Information LED	
Status	Description
Continuously on and red	An overheat condition has occurred. (This may be caused by cable congestion.)
Blinking red (1Hz)	Fan failure, check for an inoperative fan.
Blinking red (0.25Hz)	Power failure, check for a non-operational power supply.
Solid blue	Local UID has been activated. Use this function to locate the server in a rack mount environment.
Blinking blue	Remote UID is on. Use this function to identify the server from a remote location.

Rear View

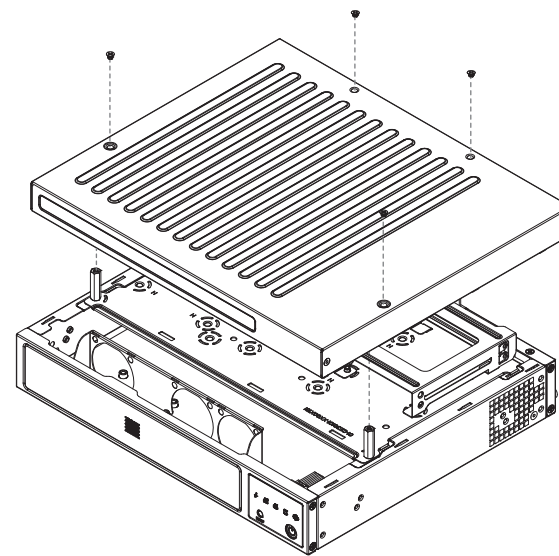


Information LED		
Item	Features	Description
1	K-slot for lock	Local UID has been activated. Use this function to locate the server in a rack mount environment.
2	PCI window	Power failure, check for a non-operational power supply.
3	Power Input	The main power switch applies or removes primary power from the power supply to the server but maintains standby power. To perform most maintenance tasks, unplug the system to remove all power.
4	I/O ports	Fan failure, check for an inoperative fan.

Remove Chassis Top Cover

The SCE301 features a removable top cover to access the inside of the drive(s).

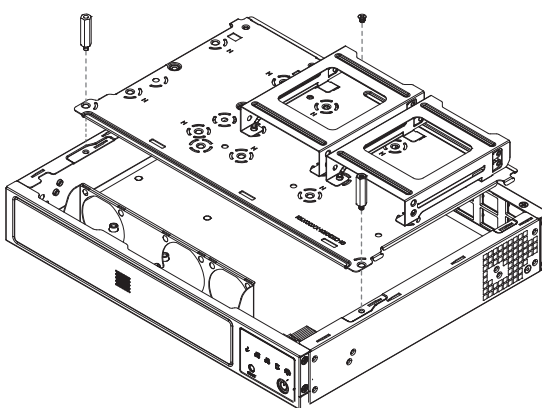
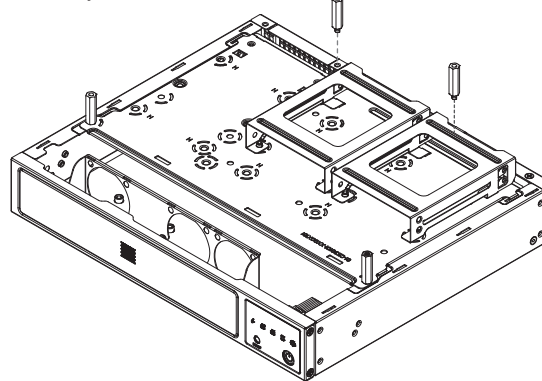
1. Power down the system.
2. Remove the four screws that hold the cover in place.
3. Lift the cover up and off the chassis.



Installing the Storage Drives

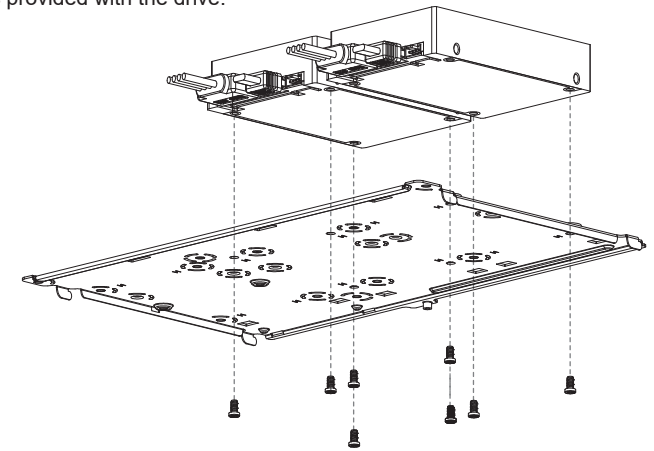
The motherboard should be installed before installing the drive(s).

1. Remove the four standoffs and one screw that are securing the hard drive tray

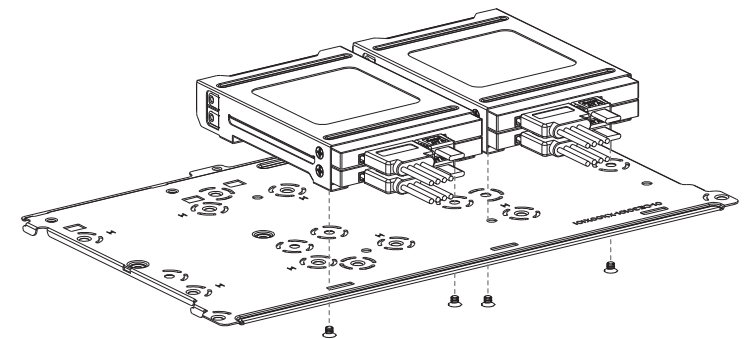


Installing the Storage Drives

2. Place up to two 15 mm 2.5" drives directly into the tray and secure it to the tray with the screws provided with the drive.



3. Optionally, for 9.5 mm 2.5" drives, place them inside the provided drive holders first, then secure them on to the drive tray with the included screws as shown above.
4. Connect the drive data and power cables.
5. Secure the tray to the chassis with the standoffs and screw previously set aside.
6. Attach the cables to the appropriate motherboard connector(s).
7. Reinstall the chassis cover and power up the system.



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

* Sound of Beep code would be available from connecting JD1/Speaker PIN Header 4-7

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>
<https://www.supermicro.com/manuals/superserver/mini-itx/MNL-2214.pdf>

