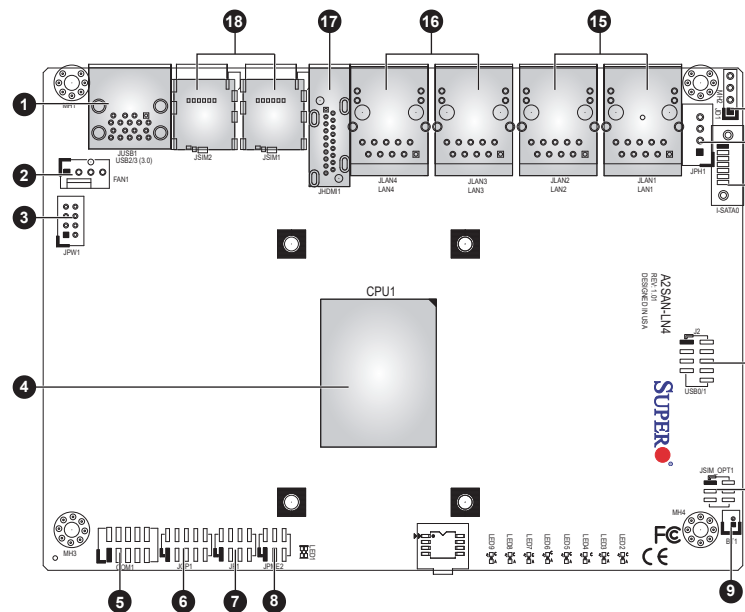


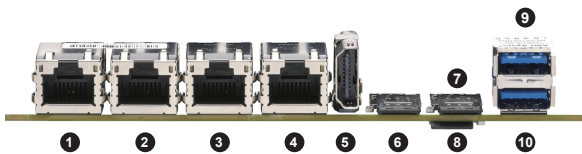
SUPERMICR[®] SuperServer E102-9AP-LN4-E/C Quick Reference Guide

Board Layout



No.	Jumper & Description
1	JUSB1: Back Panel Universal Serial Bus (USB) 3.0 Ports (USB 3.0 x 2)
2	FAN1: System Fan Header
3	JPW1: 8-pin 12V DC Power Connector
4	CPU
5	COM1: Serial COM Port (supports RS-232 x 1)
6	JGP1: 8-bit General Purpose I/O Header
7	JF1: Front Control Panel Header
8	JPME2: Power Force On
9	BT1: Onboard Battery
10	JSIM_OPT1: SIM Card Detection
11	USB0/1: Two USB 3.0 ports I/O back panel
12	I-SATA0: SATA 3.0 Port
13	JPH1: SATA Power Connector
14	JD1: Speaker Header (Pins 1-4)
15	LAN1~LAN2: LAN1 - LAN2 (RJ45) Ports
16	LAN3~LAN4: LAN3 - LAN4 (RJ45) Ports
17	JHDMI1: Panel HDMI Port
18	JSIM1~2: Nano SIM Card Slots

I/O Connectors



No.	Description	No.	Description
1	LAN1	6	SIM Slot 1 (JMD1)
2	LAN2	7	SIM Slot 2 (JMD2)
3	LAN3	8	SIM Slot 3 (JMD3)
4	LAN4	9	USB1
5	HDMI Port	10	USB0

System Features

Motherboards

A2SAN-LN4-E/-C

Chassis

CSE-E102TF

Processor Support

Intel® Atom™ x5-E3940 Processor
Intel® Celeron® J3455 Processor

Memory

Integrated memory controller supports up to 8GB DDR3L 1866MHz Non-ECC SO-DIMM

Storage

One SATA 3.0 for 2.5" 7mm SATA HDD/SSD

I/O Ports

LAN: Four Gigabit Ethernet ports
USB: Two USB3.0 ports (rear)
Display: One HDMI port
One COM port

Power

Model: MCP-250-10134-0N (60W)
AC Input
100-127 Vac, 50-60 Hz
200-240 Vac, 50-60 Hz
+12 V: 29 A
+12 V standby: Max: 3 A, Min: 0 A
+5 V: 15 A
+3.3 V: 12 A

System Cooling

One 4-cm PWM system fan (optional)

I/O Ports

Operating Temperature: 0° to 40° C (32° to 104° F)
Non-operating Temperature: -40° to 70° C (-40° to 158° F)
Operating Relative Humidity: 8% to 90% (non-condensing)
Non-operating Relative Humidity: 5% to 95% (non-condensing)

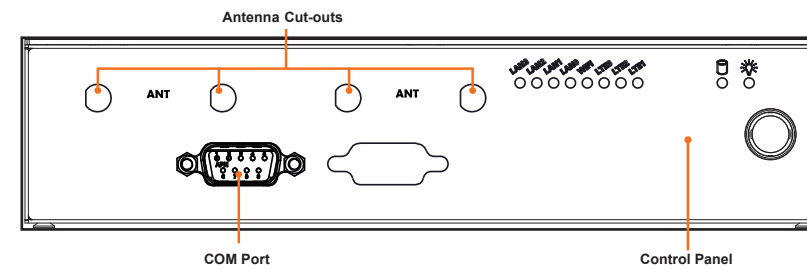
Caution

SAFETY INFORMATION
IMPORTANT: See installation instructions and safety warning before connecting system to power supply.
http://www.supermicro.com/about/policies/safety_information.cfm

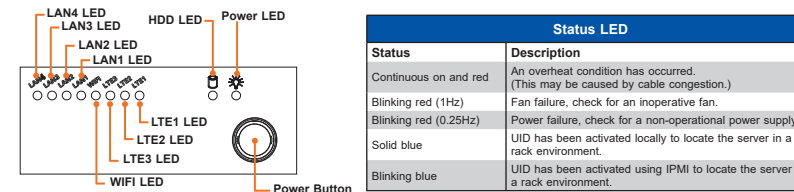
WARNING:
To reduce risk of electric shock/damage to equipment, disconnect power from server by disconnecting all power cords from electrical outlets. If any CPU socket empty, install protective plastic CPU cap.

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>

Front View & Interface

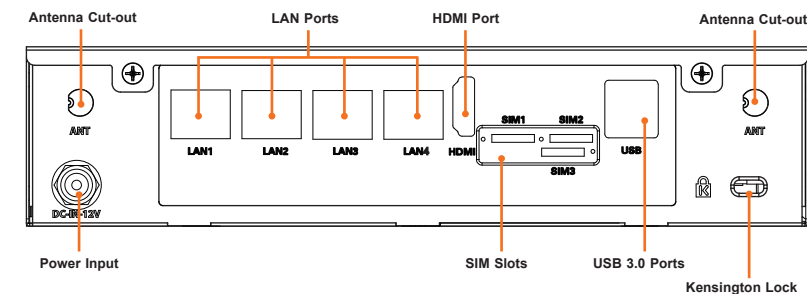


Front View Features	
Feature	Description
COM Port	One serial port
Antenna Cut-outs	Four cut-outs for mounting antennas
Control Panel	Power button and status indicators; see the next page.



Status LED	
Status	Description
Continuous 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	UID has been activated locally to locate the server in a rack environment.
Blinking blue	UID has been activated using IPMI to locate the server in a rack environment.

Rear Features



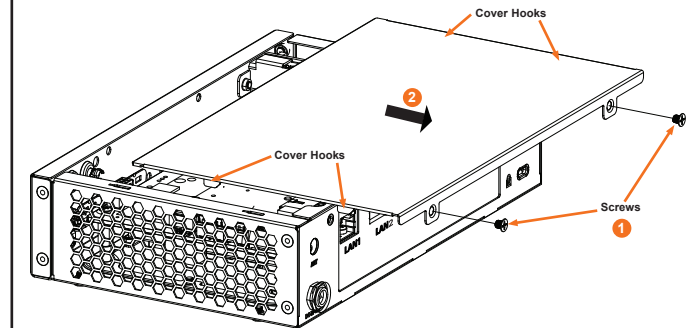
Feature	Description
Power Input	Use this port for the 60W DC power input.
Antenna Cut-outs	Two cut-outs for mounting antennas.
LAN Ports	Four 1GbE network ports.
HDMI	One HDMI port.
SIM Slots	Three SIM slots.
USB	Two USB 3.0 ports.
Kensington® Lock	One slot for Kensington security cable/lock.

Beep (POST) Codes

BIOS Beep (POST) Codes	
Beep Code	Description
1 short	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

Accessing the System

Removing the Chassis Cover Removing the Bottom Cover
1. On the chassis rear, remove the two screws.
2. Slide the cover to the rear as illustrated above to release the cover hooks from the chassis, and lift the cover off.



Caution: Except for short periods of time, do not operate the server without the cover in place. The chassis cover must be in place to allow for proper airflow and to prevent overheating.

Mounting the Chassis

Installing the Mounting Brackets

1. Make sure there is no power to the system as described in Section 3.1.
2. Remove the four screws securing the bottom cover tray to the chassis and set them aside for later use. Lift the cover out. On the inside of this bottom cover is where the hard drive is mounted.
3. Place the hard drive on to the inside of the bottom cover and secure it to the tray with the four screws provided with the hard drive, as shown.
4. Attach the cable SATA connector and to the motherboard connector. This cable carries both the SATA signal and the SATA power.
5. Return the hard drive bottom cover assembly into the chassis, aligning the screw holes of the bottom tray with the holes in the chassis. Secure the tray to the chassis support bracket with the screws previously set aside.
6. Power up the system.

