

CONTACT INFORMATION

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FOR YOUR SYSTEM TO WORK PROPERLY, PLEASE DOWNLOAD APPROPRIATE

- DRIVERS/IMAGES/USER'S MANUAL FROM THE LINKS BELOW:**
- Manuals: <http://www.supermicro.com/support/manuals>
 - Drivers & Utilities: <https://www.supermicro.com/wftp/driver>
 - Safety: http://www.supermicro.com/about/policies/safety_information.cfm

PACKAGE CONTENTS

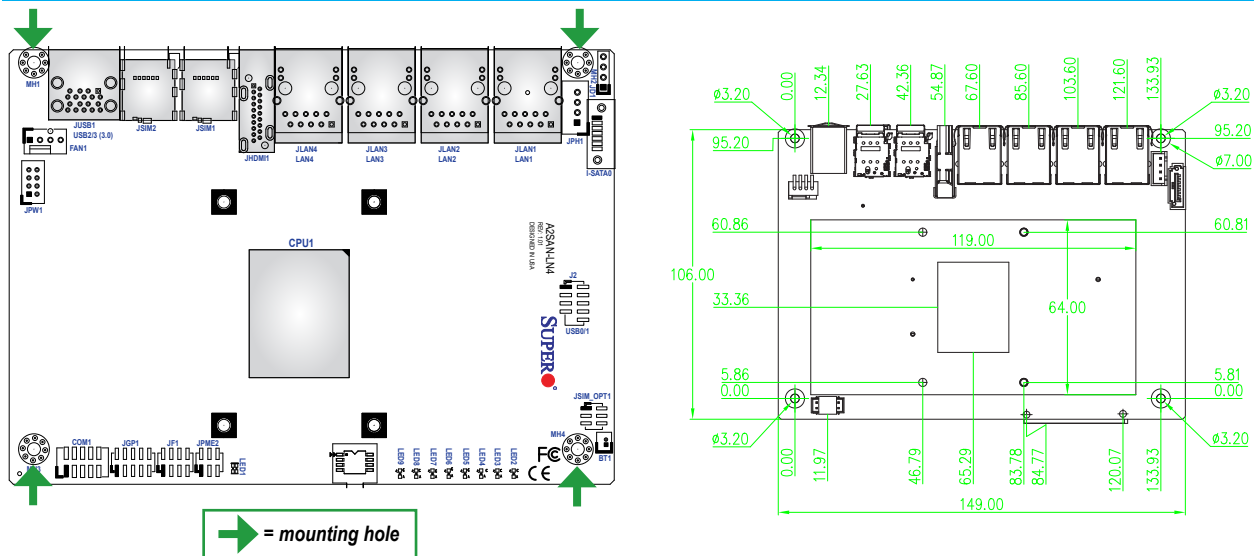
- One each of the following:
- Supermicro Motherboard
 - Quick Reference Guide
 - SATA Data Cable

- SATA Power Cable
- Power Input Cable
- USB 2.0 Cable
- COM Port Cable

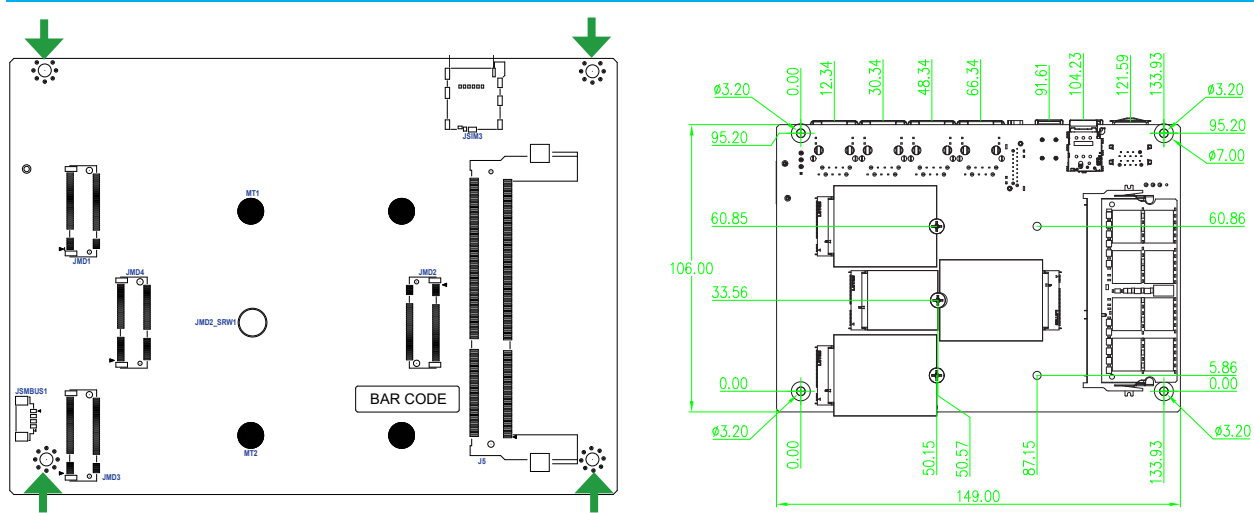


Motherboard Layouts and Mechanical Drawings

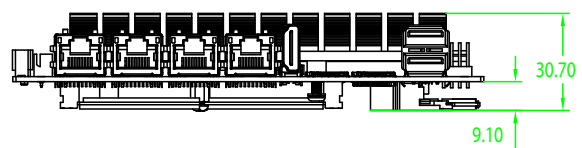
Top Layout and Mechanical Drawing



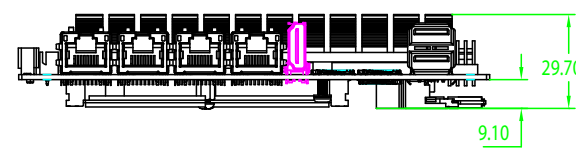
Bottom Layout and Mechanical Drawing



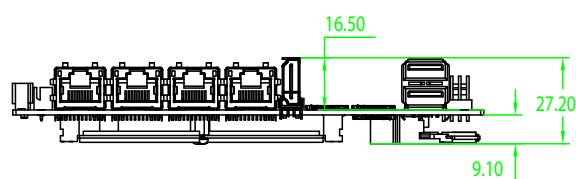
Back Panel I/O With Heatsink (A2SAN-LN4-E)



Back Panel I/O With Heatsink (A2SAN-LN4-C)



Back Panel I/O Without Heatsink



Jumpers, Connectors, and LED Indicators

Jumpers		
Jumper	Description	Jumper Setting (Default *)
JPME2	Manufacturing Mode	Pins 1-3: Manufacturing Mode Pins 3-5: Normal*
JPME2	Power Force On	Pins 2-4: Power Force On* Pins 4-6: PWR Button Power On
JSIM_OPT1	SIM Card Detection	Pins 1-2 (JSIM1) Pins 3-4 (JSIM2) Pins 5-6 (JSIM3) Open: High Active Closed: Low Active* (Default)

Connectors	
Connector	Description
BT1	Battery Connector
COM1	Serial COM Port (supports RS-232 x 1)
FAN1	System Fan Header
I-SATA0	Intel PCH SATA 3.0 Port
J2	USB 2.0 Header
J5	SO-DIMM Slot (bottom side layout)
JD1	Speaker Header (Pins 1-4)
JF1	Front Control Panel Header
JGP1	8-bit General Purpose I/O Header
JHDMI1	Back Panel HDMI Port
JLAN1 - JLAN4	LAN1 - LAN4 (RJ45) Ports
JMD1	M.2 B-Key 2242/3042 Slot (supports USB2.0/3.0 with Nano SIM for LTE/3G) (supports SATA upon request)
JMD2, JMD3	M.2 B-Key 2242/3042 Slots (support USB2.0/3.0 with Nano SIM for LTE/3G)
JMD4	M.2 E-Key 2230 Slot (supports PCIe x1/USB2.0 with WiFi + BT)
JMD2_SRW1	M.2 Mounting Screw for JMD2 (bottom side layout)
JPH1	SATA Power Connector (for one HDD system)
JPW1	8-pin 12V DC Power Connector
JSIM1/JSIM2	Nano SIM slot for JDM1 / Nano SIM slot for JDM2
JSIM3	Nano SIM slot for JDM3 (bottom side layout)
JSMBUS1	System Management Bus Header (bottom side layout)
JUSB1	Back Panel Universal Serial Bus (USB) 3.0 Ports (USB3.0 x 2)
MH1 - MH4	Mounting Holes
MT1/MT2	M.2 Mounting Screws for JDM1/JMD3 (bottom side layout)

LED Indicators		
LED	Description	Status
LED1	Power LED (for debugging only)	Solid Green: All Power Good Solid Red: Power Fail
LED2	M.2 Active LED (for JMD1)	Blinking Blue: Module Active
LED3	M.2 Active LED (for JMD2)	Blinking Blue: Module Active
LED4	M.2 Active LED (for JMD3)	Blinking Blue: Module Active
LED5	M.2 Active LED (for JMD4)	Blinking Blue: Module Active
LED6	GbE LAN Active LED (for JLAN1)	Blinking Amber: LAN Active
LED7	GbE LAN Active LED (for JLAN2)	Blinking Amber: LAN Active
LED8	GbE LAN Active LED (for JLAN3)	Blinking Amber: LAN Active
LED9	GbE LAN Active LED (for JLAN4)	Blinking Amber: LAN Active

CPU Support

A2SAN-LN4-E supports Intel® Atom E3940.
A2SAN-LN4-C supports Intel® Celeron® J3455.

Memory Support

The A2SAN-LN4-E/C motherboard supports up to 8GB of DDR3L 1866MHz Non-ECC SO-DIMM in one memory slot.

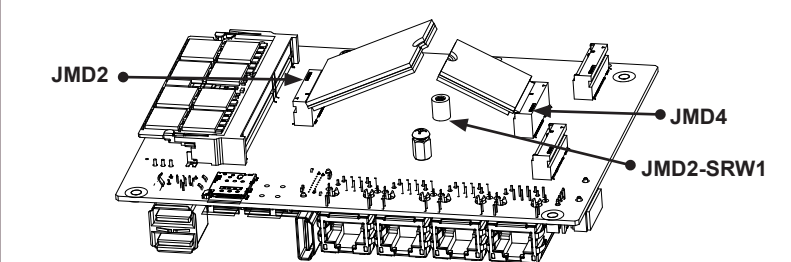
SO-DIMM Memory Installation

1. Insert the SO-DIMM module vertically at about a 45 degree angle. Press down until the module locks into place. The side clips will automatically secure the SO-DIMM module, locking it into place.

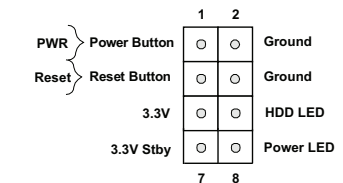


M.2 Installation for JMD2 and JMD4

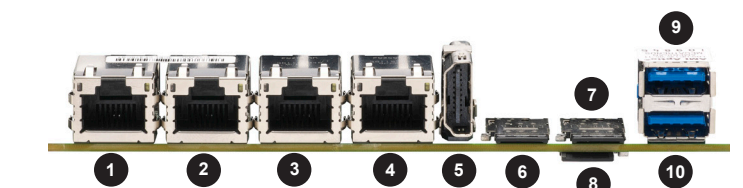
1. Unfasten the screw from JMD2-SRW1, insert the M.2 modules into JMD2 and JMD4, press the modules down at the same time and secure them by fastening the screw.



Front Control Panel (JF1)



Back Panel I/O Connectors



#	Definition	#	Description	#	Description
1	LAN1	5	HDMI Port	9	USB1
2	LAN2	6	SIM Slot 1 (JMD1)	10	USB0
3	LAN3	7	SIM Slot 2 (JMD2)		
4	LAN4	8	SIM Slot 3 (JMD3)		

Note: Graphics shown in this quick reference guide are for illustration only. Your components may or may not look exactly the same as drawings shown in this guide.

Note: Refer to Chapter 1 of the User Manual for detailed information on jumpers, connectors, and LED indicators.

Note: Refer to Chapter 2 of the User Manual for detailed information on memory support and CPU/motherboard installation instructions.