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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

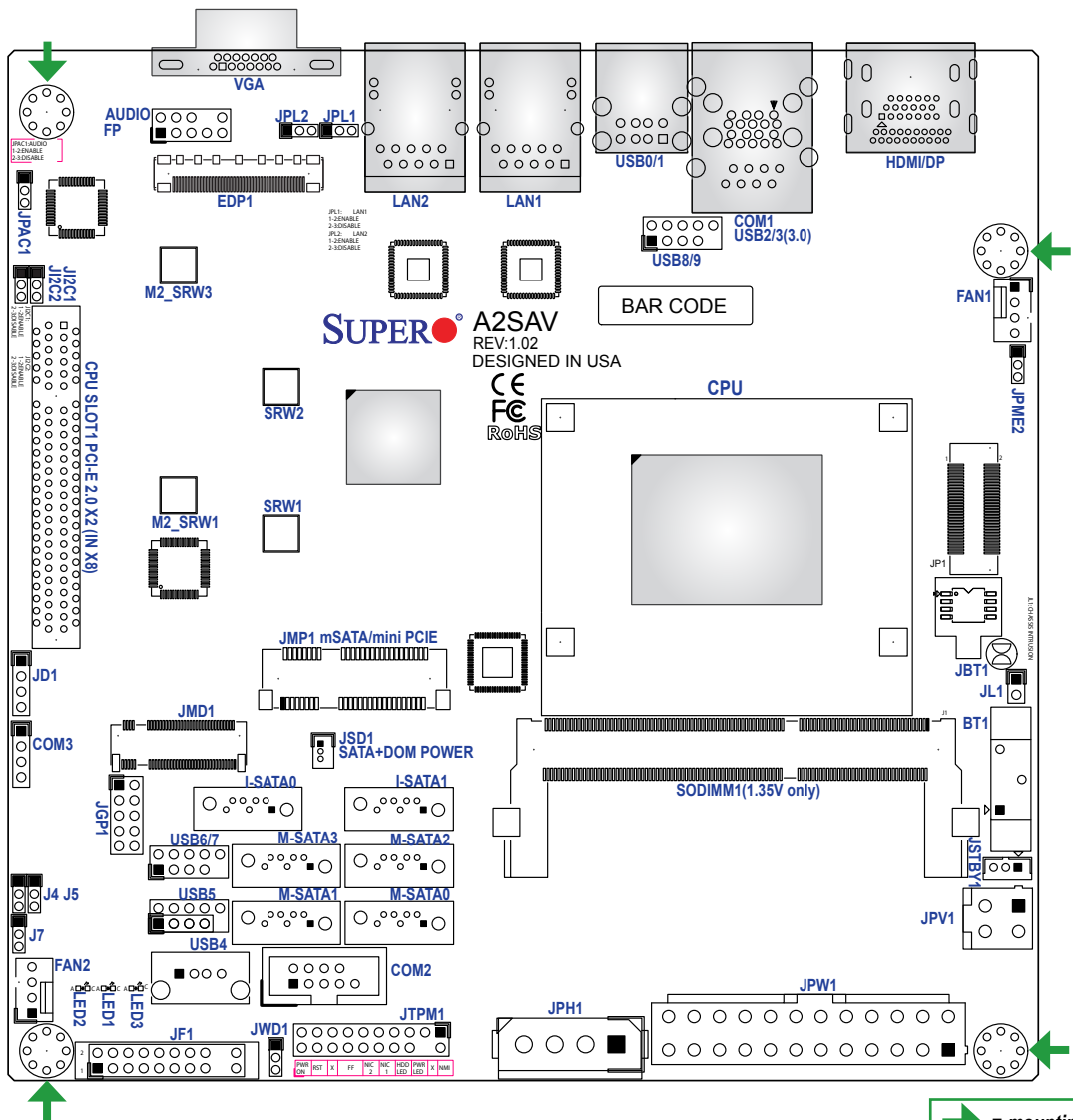
PACKAGE CONTENTS

- One (1) Supermicro Motherboard
- Six (6) SATA Cables, Two (2) for -L/-LV
- One (1) I/O Shield
- One (1) Quick Reference Guide



WARNING: This product can expose you to chemicals including lead, known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

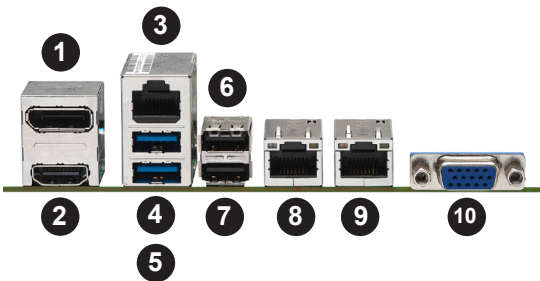
Motherboard Layout and Features



Front Control Panel (JF1)

	1	2	
Power Button	PWR		Ground
Reset Button	Reset		Ground
	X	X	
3.3V			Fan Fail LED
3.3V Stby			NIC2 Activity LED
3.3V Stby			NIC1 Activity LED
3.3V			HDD LED
3.3V			Power LED
X	X	X	
NMI			Ground
	19	20	

Back Panel I/O Connectors



1. DisplayPort	5. USB3	9. LAN2
2. HDMI	6. USB1	10. VGA
3. COM1	7. USB0	
4. USB2	8. LAN1	

Connectors and LED Indicators

Connectors	
Connector	Description
AUDIO FP	Front Panel Audio Header (not available on -L/-LV)
BT1	Onboard Battery
COM1 ~ COM3	COM Ports supported by Novuton 5523D (COM1 in RJ45, COM1/2 supports RS-232, COM3 supports RS485)
EDP1	Embedded DisplayPort (Switch with VGA) (X11SSA/A2SAV/-2C-L/-L only)
FAN1/FAN2	System/CPU Fan Headers (FAN1: CPU Fan)
HDMI/DP	High Definition Multimedia Interface/DisplayPort
I-SATA0/I-SATA1	Intel® SATA 3.0 Ports
JD1	Speaker LED Header (Pins 1-4: Speaker)
JF1	Front Control Panel Header
JGP1	General Purpose I/O Header
JL1	Chassis Intrusion Header
JMD1	M.2 PCI-E 2.0 x2, I-SATA0
JMP1	Mini-PCIe with mSATA (not available on -L/-LV)
JPH1	4-pin Power Connector for HDD use (to provide power from the motherboard to system HDD devices)
JPW1	24-pin ATX Power Connector
JPV1	12V 4-pin Power Connector
JSD1	SATA DOM Power Connector
JSTBY1	Standby Power Header
JTPM1	Trusted Platform Module/Port 80 Connector
LAN1/LAN2	LAN (RJ45) Ports
M2_SRW2/M2_SRW3	M.2 Mounting Screws
M-SATA0 ~ M-SATA3	SATA Ports supported by Marvel 88SE9230 (not available on -L/-LV)
SLOT1	CPU PCI-E 2.0 X2 (IN X8) Slot
SRW1/SRW2	m-PCIe Mounting Screws (not available on -L/-LV)
USB0/1	Back panel USB 2.0 Port
USB2/3	Back panel USB 3.0 Port
USB4	USB 2.0 Type-A Header (not available on -L/-LV)
USB5, USB6/7, USB8/9	Front Accessible USB 2.0 Headers (USB5, USB6/7 not available on -L/-LV)
VGA	VGA Port (Switch with EDP1)

LED Indicators

LED	Description	Status
LED1	Power LED S3 Blink Function	Blinking Green: S3 Function
LED2	System Power LED	Solid Blue: Power On
LED3	P5V_STBY Power LED	Solid Green: 5V Standby Power Ready

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

Jumpers

Jumpers		
Jumper	Description	Default Setting
JBT1	CMOS Clear	Open (Normal)
JL2C1/JL2C2	SMB to PCI-E Slots Enable/Disable	Pins 1-2 (Enabled)
JPAC1	Audio Enable	Pins 1-2 (Enabled)
JPL1	LAN1 Enable/Disable	Pins 1-2 (Enabled)
JPL2	LAN2 Enable/Disable	Pins 1-2 (Enabled)
JPME2	Manufacturing Mode	Pins 1-2 (Normal)
JWD1	Watch Dog	Pins 1-2 (Reset)

CPU Support

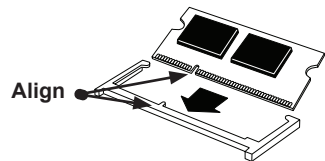
- X11SAA supports an Intel® Pentium N4200 SoC (BGA Socket).
- A2SAV/-V/-L/-LV supports an Intel Atom E3940 SoC (BGA Socket).
- A2SAV-2C-L/-2C-LV supports an Intel Atom E3930 SoC (BGA Socket).

Memory Support

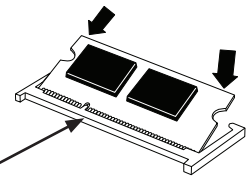
The X11SAA/A2SAV/-V/-2C-L/-2C-LV/-L/-LV motherboard supports up to 8GB DDR3L Non-ECC SO-DIMM memory up to 1866MHz in one horizontal slot.

DIMM Memory Installation

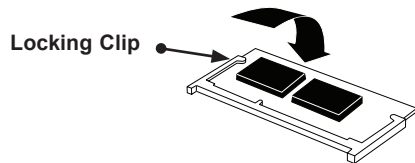
1. Position the SO-DIMM module's bottom key so it aligns with the receptive point on the slot.



2. Insert the SO-DIMM module vertically at about a 45 degree angle. Press down until the module locks into place.



3. The side clips will automatically secure the SO-DIMM module, locking it into place.



SO-DIMM Removal

1. Push the side clips at the end of slot to release the SO-DIMM module. Pull the SO-DIMM module up to remove it from the slot.

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

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.

