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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](http://www.supermicro.com/about/policies/safety_information.cfm)

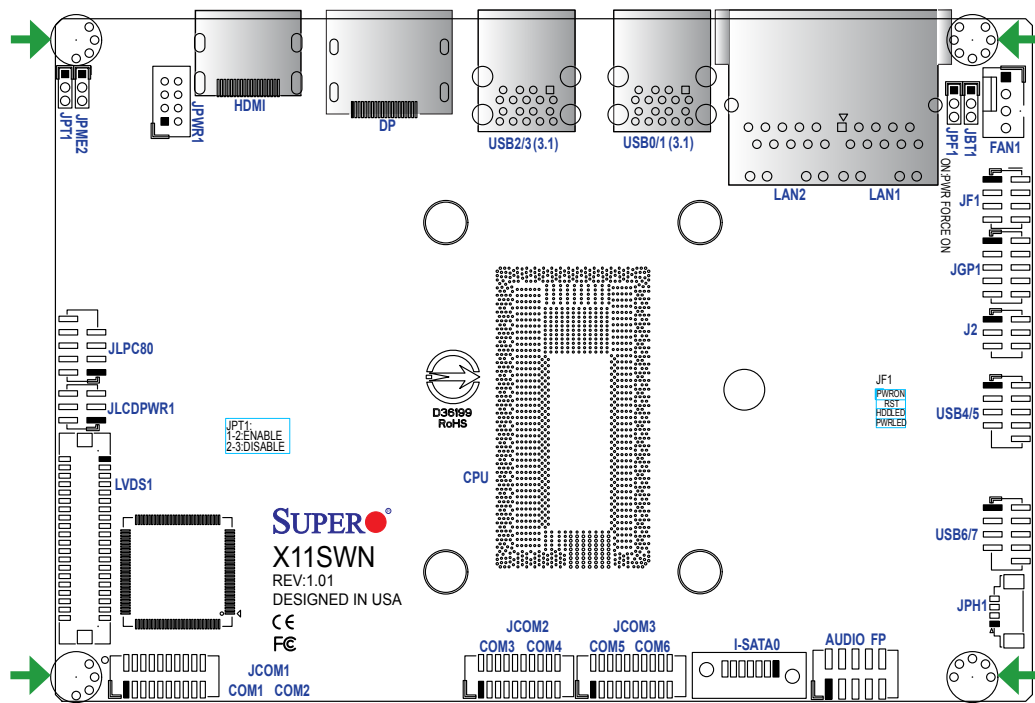
### PACKAGE CONTENTS (RETAIL PACKAGE)

- One (1) Supermicro Motherboard with Passive Heatsink
- One (1) COM Cable
- One (1) Quick Reference Guide
- One (1) DC IN Power Cable
- One (1) SATA Power Cable
- One (1) SATA Cable
- One (1) USB Cable
- One (1) Audio Cable

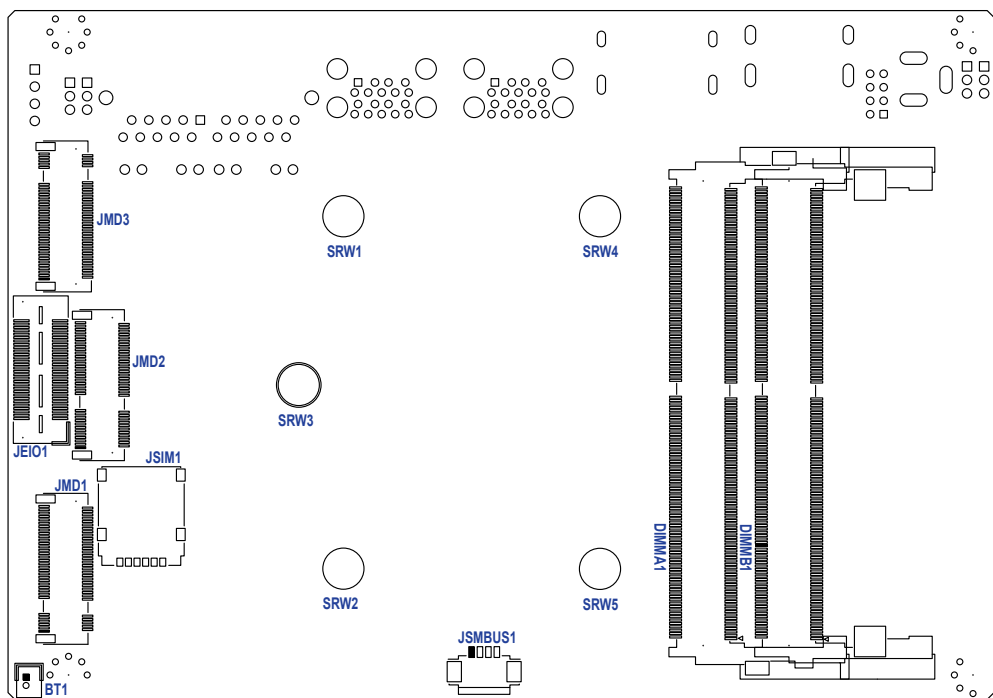


## Motherboard Layout and Features

### Top Side Layout



### Bottom Side Layout



➔ = mounting hole

## Jumpers and Connectors

### Jumpers

Jumper	Description	Default Setting
JBT1	CMOS Clear	Pin 1-2* Normal Operation (Default) Pin 2-3 Clear CMOS
JLCDPWR1	LVDS Panel Power Source Selection	Pin 1-3* (3.3V) (Default) Pin 3-5 (5V) Pin 3-4 (12V)
JPF1	Power Force On	Pin 1-2* (Force Power ON) (Default) Pin 2-3 (Power Button ON)
JPME2	Manufacturing Mode Select	Pins 1-2* (Normal)
JPT1	TPM Enable/Disable	Pins 1-2* (Enabled) (Default) Pins 2-3 (Disabled)
J2	SIM Detection	Pins 2-4* (High Active) (Default) Pins 4-6 (Low Active)

### Connectors

Connector	Description
AUDIO FP	Front Panel Audio Header (Mic-In/Mic-Out)
BT1	Onboard Battery Header
JCOM1	COM1/COM2 Headers (RS232/422/485)
JCOM2	COM3/COM4 Headers (RS232)
JCOM3	COM5/COM6 Headers (RS232)
DP	Dual-Mode Display Port (DP++)
FAN1	System Fan Header
HDMI	High Definition Multimedia Interface
I-SATA0	SATA 3.0 Port
JEIO1	Extended I/O (bottom side)
JF1	Front Control Panel Header
JGP1	General Purpose I/O Header
JMD1	M.2 B-Key 2242/3042/2280 (SATA 3.0/USB 3.0/USB 2.0 with Nano SIM) Slot (bottom side)
JMD2	M.2 E-Key 2230 (PCI-E x1/USB2.0/CNVi) Slot (bottom side)
JMD3	M.2 M-Key 2242/2280 (PCI-E x4/SATA) Slot (bottom side)
JPH1	4-pin HDD Power Output Connector
JPWR1	8-pin +12-24V DC Power Input Connector
JSIM1	Nano SIM Card Slot (bottom side)
JSMBUS1	System Management Bus Header (bottom side)
LAN1/LAN2	Gigabit Ethernet Ports
LVDS1	Low-Voltage Differential Signaling (LVDS) Connector
SRW1 - SRW5	M.2 Mounting Holes
USB0/1, USB2/3	Back Panel USB 3.1 Gen2 Ports
USB4/5, USB6/7	Front Accessible USB 2.0 Headers

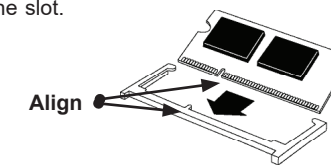
## CPU and Memory Support

X11SWN-H/X11SWN-H-WOHS: Intel® Core™ i7-8665UE processor  
 X11SWN-E/X11SWN-E-WOHS: Intel Core™ i5-8365UE processor  
 X11SWN-L/X11SWN-L-WOHS: Intel Core™ i3-8145UE processor  
 X11SWN-C/X11SWN-C-WOHS: Intel Celeron® 4305UE processor

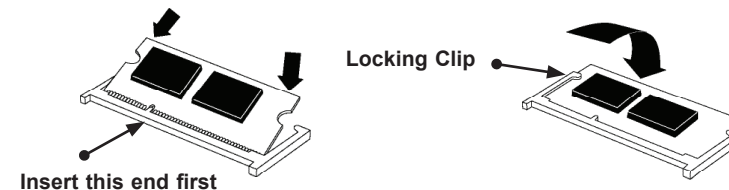
The X11SWN Series motherboard supports up to 64GB of Non-ECC SO-DIMM (32GB per SO-DIMM) DDR4 memory with speeds of up to 2400MHz (2133MHz for -C/-C-WOHS) in two slots.

### SO-DIMM Installation

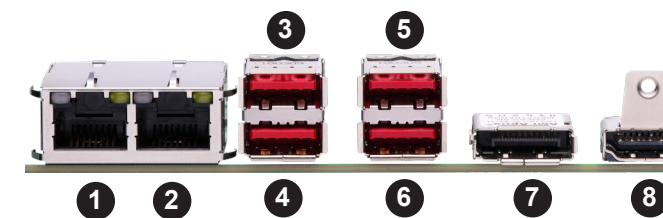
1. Position the SO-DIMM module's bottom key so it aligns with the receptive point on the slot.



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



## Back Panel I/O Connectors



#	Description	#	Description
1.	LAN1	5.	USB2 (USB3.1)
2.	LAN2	6.	USB3 (USB3.1)
3.	USB1 (USB3.1)	7.	DP++
4.	USB0 (USB3.1)	8.	HDMI

## Front Control Panel

	1	2	
Power Button	○	○	Ground
Reset Button	○	○	Ground
	3.3V	○	HDD LED
	3.3V Stby	○	Power LED
	7	8	

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 and connectors. The battery is temporarily placed on the heatsink during shipping. Please use the foam tape on the back side of the battery to secure it to a proper location in the system. DO NOT place the battery on the heatsink during operation.

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