

## CONTACT INFORMATION

- Website: [www.supermicro.com](http://www.supermicro.com)
- General Information: [marketing@supermicro.com](mailto:marketing@supermicro.com)
- Technical Support: [support@supermicro.com](mailto:support@supermicro.com)
- Phone: +1 (408) 503-8000, Fax: +1 (408) 503-8008

## FOR YOUR SYSTEM TO WORK PROPERLY, PLEASE DOWNLOAD APPROPRIATE

## DRIVERS/IMAGES/USER'S MANUAL FROM THE LINKS BELOW:

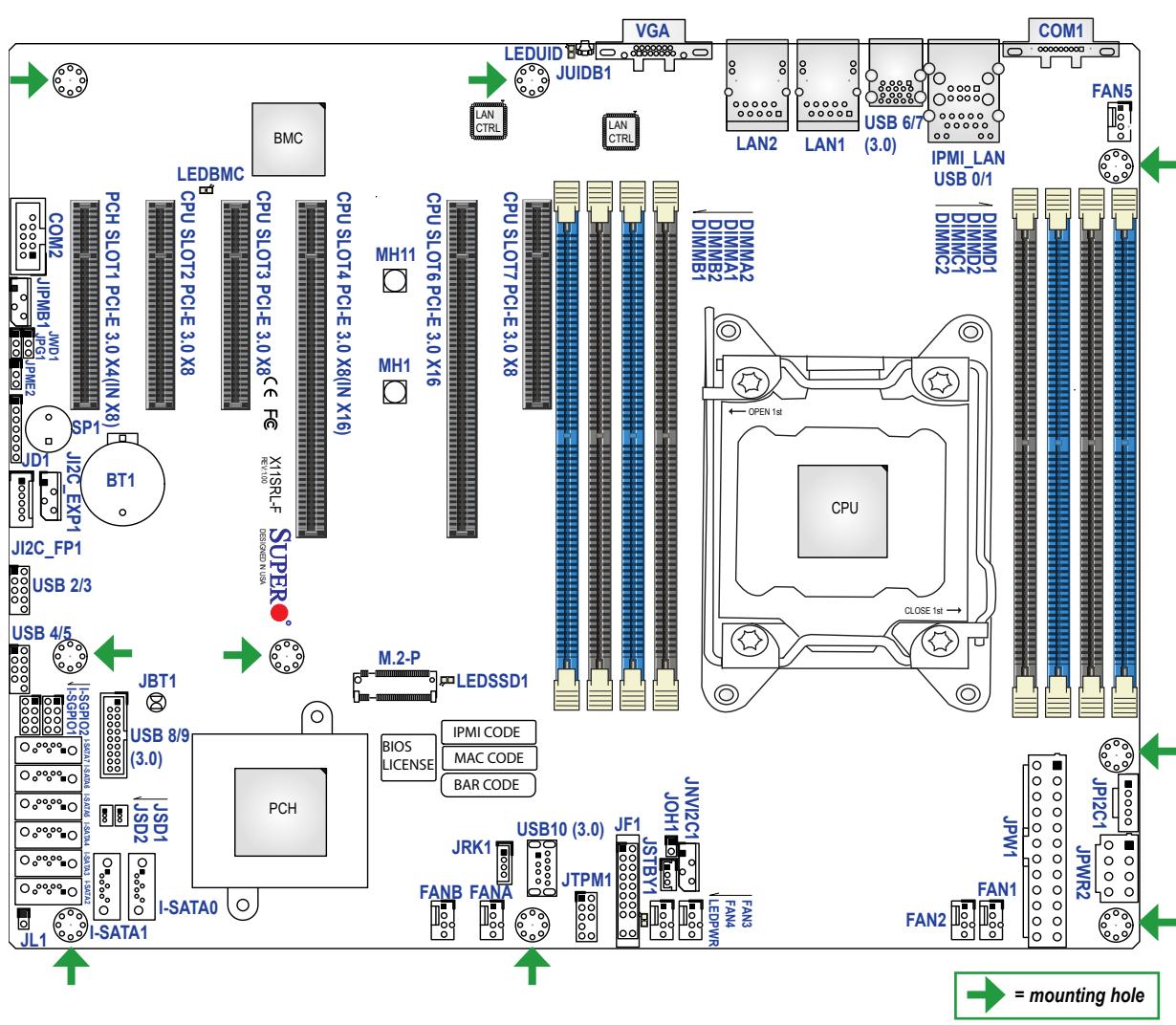
- Manuals: <http://www.supermicro.com/support/manuals>
- Drivers & Utilities: <https://www.supermicro.com/wftp/driver/>
- Safety: [http://www.supermicro.com/about/policies/safety\\_information.cfm](http://www.supermicro.com/about/policies/safety_information.cfm)

## PACKAGE CONTENTS

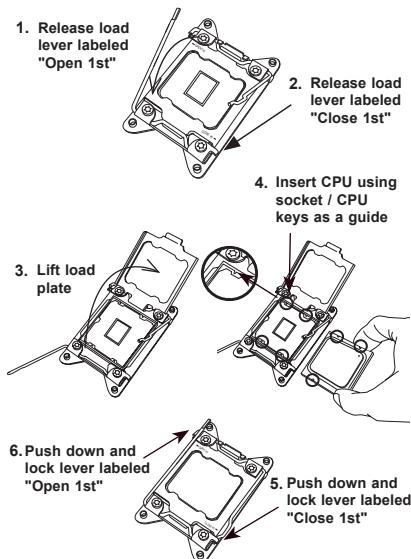
- One (1) Supermicro Motherboard
- Six (6) SATA Cables
- One (1) I/O Shield
- One (1) Quick Reference Guide

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](http://www.P65Warnings.ca.gov).

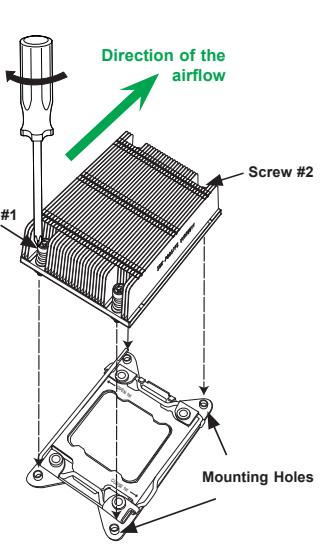
## Motherboard Layout and Features



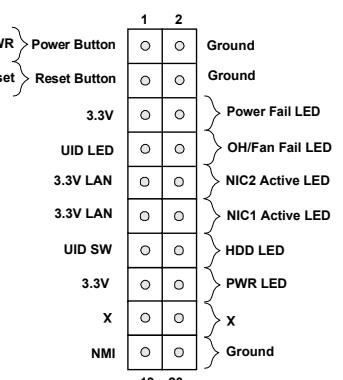
## CPU Installation



## Heatsink Installation



## Front Control Panel (JF1)



## Connectors and Jumpers

## Connectors

Connector	Description
BT1	Onboard Battery
COM1, COM2	COM1: Back Panel COM Port, COM2: COM Header
FAN1 ~ FAN5, FANA, FANB	CPU/System Fan Headers
IPMI_LAN	Dedicated IPMI LAN Port
I-SATA0 ~ I-SATA7	Intel® PCH SATA 3.0 Ports (with RAID 0, 1, 5, 10); I-SATA0 and I-SATA1 support SuperDOM (Disk On Module) devices
I-SGPIO1, I-SGPIO2	Serial Link General Purpose I/O Connection Headers
JD1	Speaker/Power LED Indicator Header (Pins 1-3: Power LED, Pins 4-7: Speaker)
JF1	Front Control Panel Header
JI2C_EXP1	System Management Bus (SMBus) I²C for SAS3 Backplanes
JI2C_FP1	System Management Bus (SMBus) I²C for LCD Devices
JIPMB1	4-pin BMC External I²C Header (for an IPMI card)
JL1	Chassis Intrusion Header
JNVI²C1	NVMe I²C Header
JOH1	Overheat/Fan Fail LED Header
JPI²C1	Power I²C System Management Bus (SMB) Header
JPW1	24-pin ATX Power Supply Connector
JPWR2	8-pin Power Connector
JRK1	Intel® RAID Key Header
JSD1, JSD2	SATA DOM Power Connectors
JSTBY1	Standby Power Header
JTPM1	Trusted Platform Module (TPM)/Port 80 Connector
JUIDB1	Unit Identifier (UID) Switch
LAN1, LAN2	1GbE LAN (RJ45) Ports
M.2-P	M.2 PCI-E 3.0 x4 Slot (Supports M-Key 2280 & 22110)
MH1, MH11	M.2 Mounting Holes
SLOT1	PCH PCI-E 3.0 x4 (in x8) Slot
SLOT2, SLOT3, SLOT7	CPU PCI-E 3.0 x8 Slots
SLOT4	CPU PCI-E 3.0 x8 (in x16) Slot
SLOT6	CPU PCI-E 3.0 x16 Slot
SP1	Onboard Buzzer
USB 0/1	Back Panel Universal Serial Bus (USB) 2.0 Ports
USB 2/3, USB 4/5	Front Accessible USB 2.0 Headers
USB 6/7	Back Panel USB 3.0 Ports
USB 8/9	Front Accessible USB 3.0 Header
USB10	USB 3.0 Type-A Header
VGA	VGA Port

## Jumpers

Jumper	Description	Default Setting
JBT1	CMOS Clear	Open (Normal)
JPG1	VGA Normal/Disable	Pins 1-2 (Enabled)
JPME2	ME Manufacturing Mode	Pins 1-2 (Normal)
JWD1	Watchdog Timer	Pins 1-2 (Reset)

## LED Indicators

LED Indicators		
LED	Description	Status
LEDBMC	BMC Heartbeat LED	Blinking Green: BMC Normal
LEDPWR	Onboard Power LED	Solid Green: Power On
LEDSSD1	M.2 LED	Blinking Green: Device Working
LEDUID	Unit Identifier (UID) LED	Solid Blue: Unit Identified

## CPU Support

The X11SRL-F motherboard supports an Intel® Xeon® W-2200/2100 (Socket R4) processor with up to 18 cores and a thermal design power (TDP) of up to 165W.

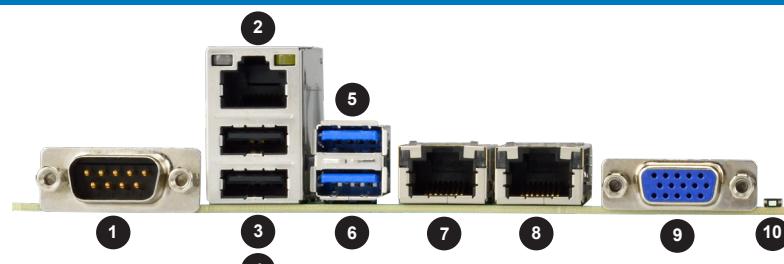
## Memory Support

The X11SRL-F supports up to 512GB of RDIMM and 1TB of LRDIMM DDR4 (288-pin) ECC memory with speeds of up to 2933 MHz in eight memory slots. See below for additional memory information.

- Always use DDR4 memory of the same type, size, and speed. Mixed DIMM speeds can be installed. However, all DIMMs will run at the speed of the slowest DIMM.
- The motherboard will support odd-numbered modules (1, 3, 5, or 7 modules installed). However, to achieve the best memory performance, a balanced memory population is recommended.
- 16Gb density DRAM module is supported by Intel Xeon W-2200 series processors.
- DDR4-2933MHz memory speed support is available with selected Intel Xeon W-2200 series processors.

1 CPU, 8-DIMM Slots	
Number of DIMMs	Memory Population Sequence
1	DIMMA1
2	DIMMA1 / DIMMB1
3	DIMMA1 / DIMMB1 / DIMMC1
4	DIMMA1 / DIMMB1 / DIMMC1 / DIMMD1
5	DIMMA1 / DIMMB1 / DIMMC1 / DIMMD1 / DIMMA2
6	DIMMA1 / DIMMB1 / DIMMC1 / DIMMD1 / DIMMA2 / DIMMB2
7	DIMMA1 / DIMMB1 / DIMMC1 / DIMMD1 / DIMMA2 / DIMMB2 / DIMMC2
8	DIMMA1 / DIMMB1 / DIMMC1 / DIMMD1 / DIMMA2 / DIMMB2 / DIMMC2 / DIMMD2

## Back Panel I/O Connectors



#	Description	#	Description
1	COM Port 1	6	USB6 (3.0)
2	Dedicated IPMI LAN	7	LAN1
3	USB1	8	LAN2
4	USB0	9	VGA Port
5	USB7 (3.0)	10	UID Switch

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.