SUPERMICRO®
X11SCL-IF
Quick Reference Guide 1.0b

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
- Four (4) SATA Cables
- One (1) I/O Shield
- One (1) Quick Reference Guide

Motherboard Layout and Features

= mounting hole
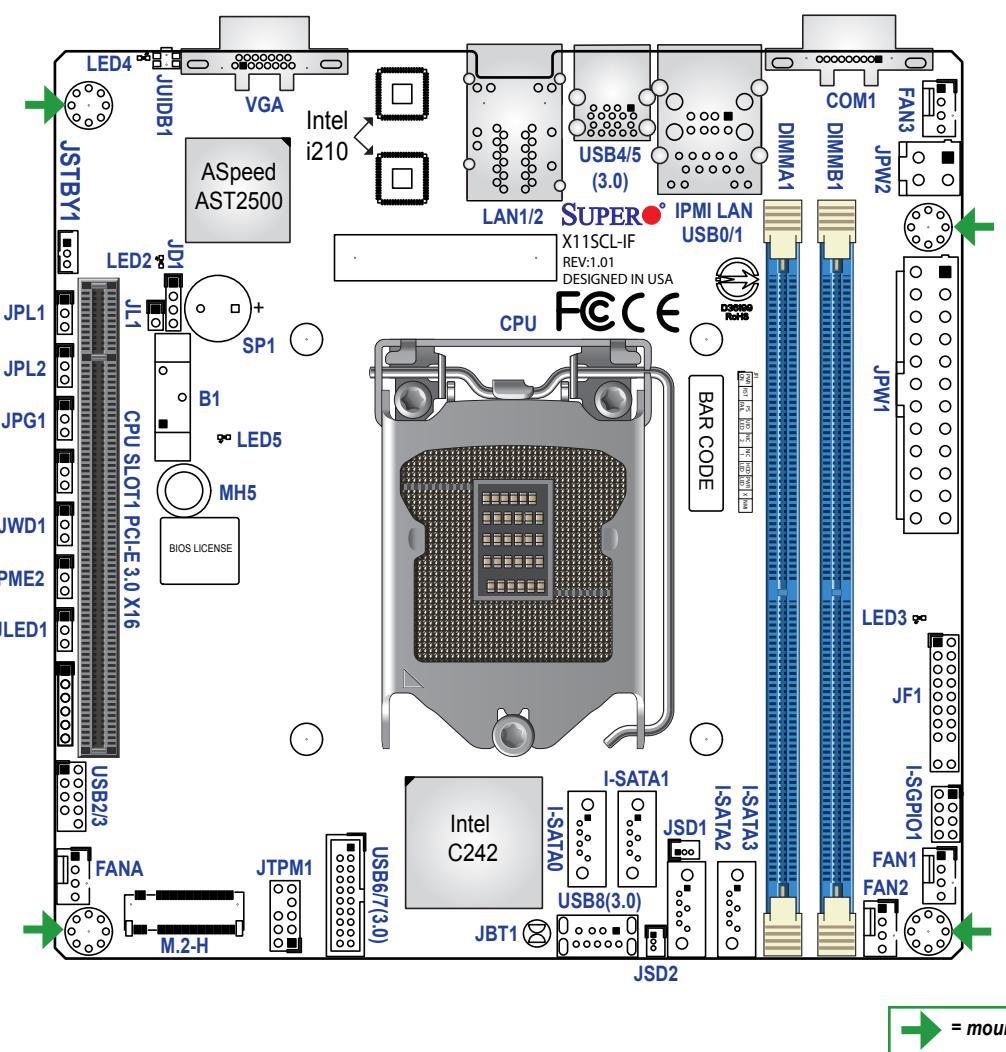
Connectors, Jumpers, and LED Indicators

Connectors

Connector	Description
B1	Onboard Battery
COM1	COM Port
FAN1 ~ FAN3, FANA	CPU/System Fan Headers
IPMI_LAN	Dedicated IPMI LAN Port
I-SATA0 ~ I-SATA3	Intel® PCH SATA 3.0 Ports (with RAID 0, 1, 5, 10) I-SATA2 and I-SATA3 supports SuperDOM
I-SGPIO1	Serial Link General Purpose I/O Header
JD1	Speaker Header (Pins 1-4: Speaker; Pins 3-4: Onboard Buzzer)
JF1	Front Control Panel Header
JL1	Chassis Intrusion Header
JLED1	3-pin Power LED Header
JPW1	24-pin ATX Power Supply Connector
JPW2	4-pin Power Connector
JSD1, JSD2	SATA DOM Power Connectors
JSTBY1	Standby Power Header
JTPM1	Trusted Platform Module (TPM)/Port 80 Header
JUIDB1	Unit Identifier (UID) Switch
LAN1/2	1GbE LAN Ports
M.2-H	M.2 Slot for PCI-E 3.0 x4 or SATA 3.0 (Supports M-Key 2280 and Intel Optane Memory)
MH5	M.2 Mounting Hole
SLOT1	CPU PCI-E 3.0 x16 Slot
SP1	Onboard Buzzer
USB0/1	Back Panel Universal Serial Bus (USB) 2.0 Ports
USB2/3	Front Accessible USB 2.0 Header
USB4/5	Back Panel USB 3.1 Gen 1 Ports
USB6/7	Front Accessible USB 3.1 Gen 1 Header
USB8	USB 3.1 Gen 1 Type-A Header
VGA	VGA Port

Jumpers

Jumper	Description	Default
JBT1	CMOS Clear	Open (Normal)
JPG1	VGA Enable	Pins 1-2 (Enabled)
JPL1, JPL2	LAN1, LAN2 Enable	Pins 1-2 (Enabled)
JPME2	ME Manufacturing Mode	Pins 1-2 (Normal)
JWD1	Watchdog Timer	Pins 1-2 (Reset)

LED Indicators

LED	Description	Status
LED2	BMC Heartbeat LED	Blinking Green: BMC Normal
LED3	Onboard Power LED	Solid Green: Power On
LED4	Unit Identifier (UID) LED	Solid Blue: Unit Identified
LED5	CATERR LED	Solid Orange: System CATERR

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

CPU Support

The X11SCL-IF supports an Intel® Xeon® E-2200/2100, 9th/8th Generation Core i3, Pentium, and Celeron (Socket H4 - LGA 1151) series processor with a thermal design power (TDP) of up to 95W and six cores.

Memory Support and Installation

The X11SCL-IF supports up to 64GB of unbuffered (UDIMM) DDR4 (288-pin) ECC memory with speeds of up to 2666MHz in two memory slots. See below for additional memory information.
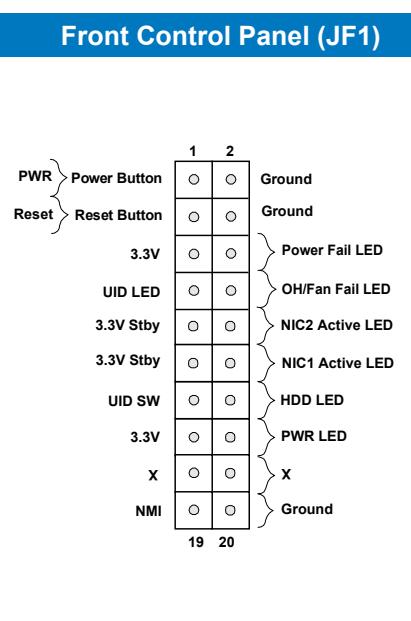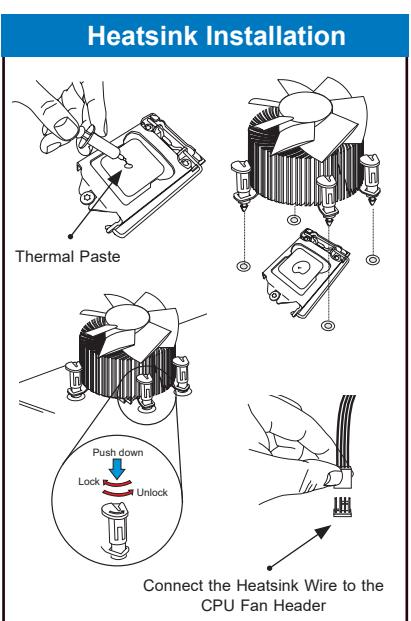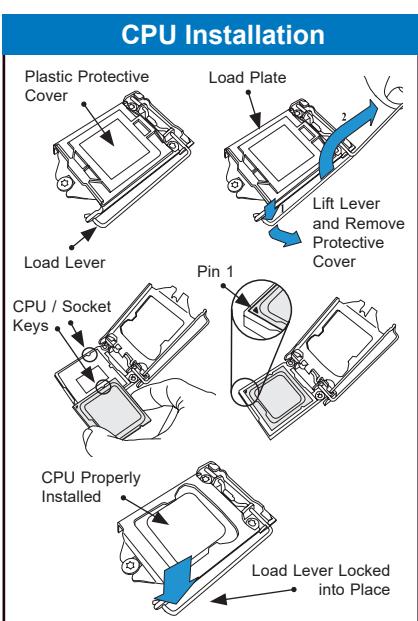
- Always use DDR4 memory of the same type, size, and speed.
- Mixed DIMM speeds can be installed. However, all DIMMs will run at the speed of the slowest DIMM.
- The motherboard will support odd-numbered modules. However, to achieve the best memory performance, a balanced memory population is recommended.

1 CPU, 2-DIMM Slots	
Number of DIMMs	**Memory Population Sequence**
1	DIMMB1
2	DIMMB1 / DIMMA1

Back Panel I/O Connectors
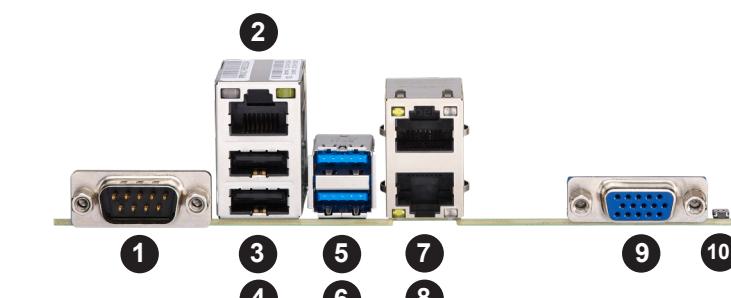
#	Description	#	Description
1	COM1	6	USB4 (USB 3.1 Gen 1)
2	Dedicated IPMI LAN	7	LAN2
3	USB1	8	LAN1
4	USB0	9	VGA Port
5	USB5 (USB 3.1 Gen 1)	10	UID Switch

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

CPU Installation

Plastic Protective Cover
Load Plate
Lift Lever and Remove Protective Cover
Load Lever
Load Lever
Pin 1
CPU / Socket Keys
CPU Properly Installed
Load Lever Locked into Place

Heatsink Installation

Thermal Paste
Push down
Lock
Unlock
Connect the Heatsink Wire to the CPU Fan Header

Front Control Panel (JF1)

	1	2	
PWR Power Button	○	○	Ground
Reset Reset Button	○	○	Ground
3.3V	○	○	Power Fail LED
UID LED	○	○	OH/Fan Fail LED
3.3V Stby	○	○	NIC2 Active LED
3.3V Stby	○	○	NIC1 Active LED
UID SW	○	○	HDD LED
3.3V	○	○	PWR LED
X	○	○	X
NMI	○	○	Ground
	19	20	

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.

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