

CONTACT INFORMATION

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FOR YOUR SYSTEM TO WORK PROPERLY, PLEASE DOWNLOAD APPROPRIATE DRIVERS/IMAGES/USER'S MANUAL FROM THE LINKS BELOW:

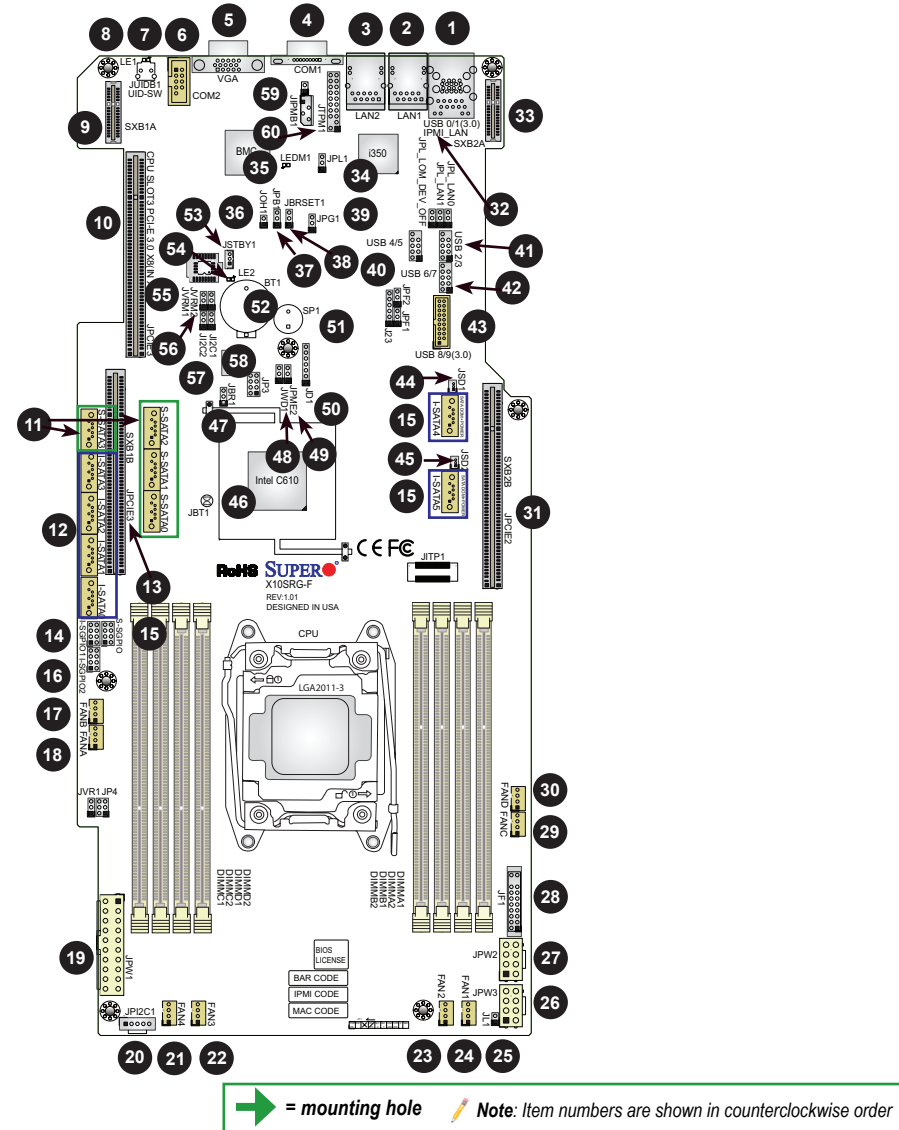
- Manuals: <http://www.supermicro.com/support/manuals>
- Drivers & Utilities: ftp://ftp.supermicro.com/CDR_Images/CDR-X10-UP/
- Safety: http://www.supermicro.com/about/policies/safety_information.cfm

PACKAGE CONTENTS

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



Motherboard Layout and Features



Jumpers and Connectors

Jumpers			
Jumper	Item #	Description	Default
JBR1	47	BIOS Recovery	Pins 1-2: (Normal)
JBRSET1	38	FIQ Request	Pins 1-2 (Normal)
JBT1	46	CMOS Clear	Short: Clear CMOS, Open: Normal
JI2C1/JI2C2	58, 57	SMB to PCI Slots	Pins 1-2 (Enabled)
JPB1	37	BMC Enable	Pins 1-2 (Enabled)
JPG1	39	Onboard VGA Enable	Pins 1-2 (Enabled)
JPL1	34	LAN1/LAN2 Enable/Disable	Pins 1-2 (Enabled)
JPME2	49	Intel Manufacturing Mode Select	Pins 1-2 (Enabled)
JVRM1	55	VRM SMB Clock (to BMC or PCH)	Pins 1-2 (BMC, Normal)
JVRM2	56	VRM SMB Data (to BMC or PCH)	Pins 1-2 (BMC, Normal)
JWD1	48	Watch Dog Timer Reset	Pins 1-2 (Reset)

Connectors		
Connector	Item #	Description
BT1	52	Onboard Battery
COM1/COM2	4, 6	COM1: Rear Serial Port, COM2: Serial Header
FAN1-FAN4	24, 23, 22, 21	System/CPU Fan Connectors
FAN A-FAN D	18, 17, 29, 30	I/O Fan Connectors
IPMI LAN	32	Dedicated IPMI LAN
JD1	50	Speaker/Buzzer (Pins 1-3: Power LED, Pins 4-7: Speaker)
JF1	28	Front Control Panel Header
JPI2C1	20	Power Supply SMBus I2C Header
JIPMB1	59	4-pin External BMC I2C Header
JL1	25	Chassis Intrusion Header
JOH1	36	Overheat LED/Fan Fail LED Header
JPW1	19	20-pin Main Power Connector
JPW2	27	8-pin Secondary Power Connector for the GPU
JPW3	26	8-pin 3rd Power Connector for the GPU (use as needed)
JSD1/JSD2	44, 45	SATA Disk On Module (DOM) Power Connector
JSTBY1	53	Legacy Wake On LAN Header
JTPM1	60	Trusted Platform Module (TPM) Header
LAN1/LAN2	2, 3	Gigabit RJ45 Ports
I-SATA0-I-SATA5	12	SATA 3.0 Connectors via Intel (6Gb/s)
S-SATA0-S-SATA3	11	SATA 3.0 Connectors via PCH (6Gb/s)
SLOT3	10	Slot for Supermicro riser card P/N RSC-R1UG-UR
SP1	51	Internal Speaker/Buzzer
SXB1A, SXB1B	9, 13	Slot for Supermicro riser card P/N RSC-R1UG-E16-UP, RSC-R1UG-2E8G-UP
SXB2A, SXB2B	33, 31	Slot for Supermicro riser card P/N RSC-R1UG-E16R-UP, RSC-R1UG-2E8GR-UP
I-SGPI01, I-SGPI02, S-SGPI0	14, 16, 15	Serial Link General Purpose I/O Headers (5V Gen 1/Gen 2)
UID SW	7	Unit ID Switch
USB0/1	1	Back Panel USB Ports
USB2/3, 4/5, 6/7, 8/9	41, 40, 42, 43	Internal USB Headers
VGA1	5	Rear VGA Port

CPU Support

The X10SRG-F motherboard supports an Intel® E5-2600/1600 v3/v4 series processor in an LGA 2011 type socket.

LED Indicators

LED	Item #	Description	Color/State	Status
LE1	8	Unit ID LED	Blue: Solid On	Unit ID Switch is On
LE2	54	Power On LED	Green: Solid On	System is On/Running
LEDM1	35	IPMI Heartbeat	Green: Blinking	IPMI Normal

Memory Support

The X10SRG-F motherboard supports up to 256GB RDIMM or 512GB LRDIMM of DDR4 ECC memory at 2400 MT/s (max.) in eight (8) memory slots.

DIMM Memory Installation

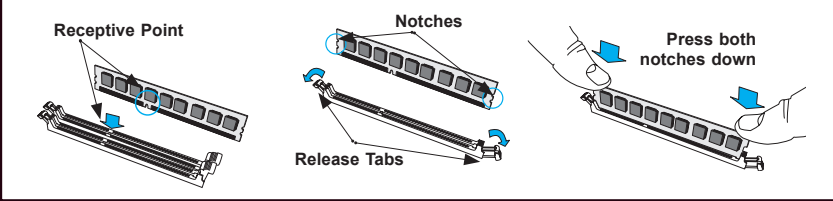
When installing memory modules, the DIMM slots should be populated in the following order: DIMMA1, DIMMB1, DIMMC1, DIMMD1 then DIMMA2, DIMMB2, DIMMC2, DIMMD2.

- Always use DDR4 DIMM modules of the same size, type 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 (one, three, five, or seven modules installed). However, for best memory performance, install DIMM modules in pairs to activate memory interleaving.

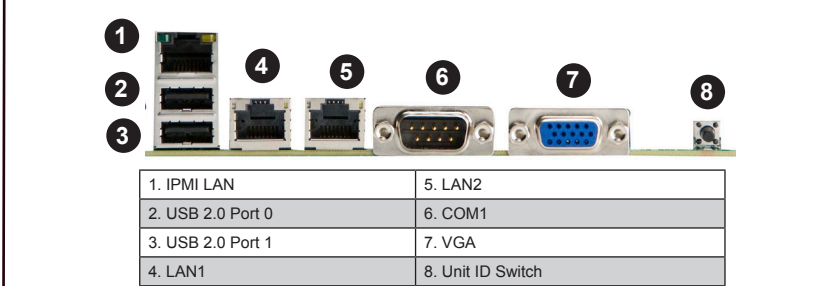
Populating RDIMM/LRDIMM DDR4 Memory Modules for the E5-2600v3-based Motherboard

Populating RDIMM/LRDIMM DDR4 Memory Modules for the E5-2600v4-based Motherboard

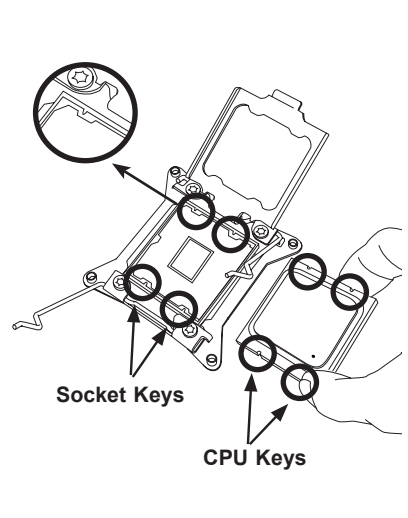
Type	Ranks Per DIMM and Data Width	DIMM Capacity (GB)		Speed (MT/s); Voltage (V); Slot Per Channel (SPC) and DIMM Per Channel (DPC)		
		4Gb	8Gb	1 Slot Per Channel	2 Slots Per Channel	
				1DPC	1DPC	2DPC
				1.2V	1.2V	1.2V
RDIMM	SRx4	8GB	16GB	2133	2133	1866
RDIMM	SRx8	4GB	8GB	2133	2133	1866
RDIMM	DRx8	8GB	16GB	2133	2133	1866
RDIMM	DRx4	16GB	32GB	2133	2133	1866
LRDIMM	QRx4	32GB	64GB	2400	2400	2400
LRDIMM 3DS*	8Rx4	64GB	128GB	2400	2400	2400



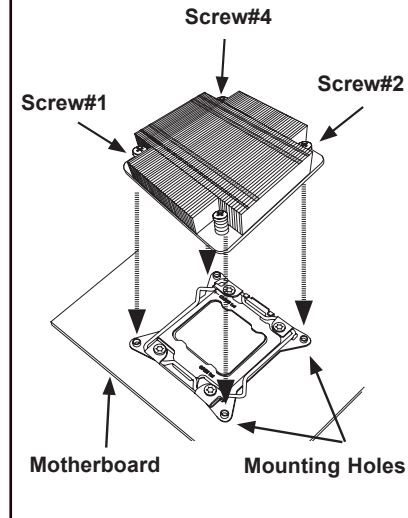
Back Panel I/O Connectors



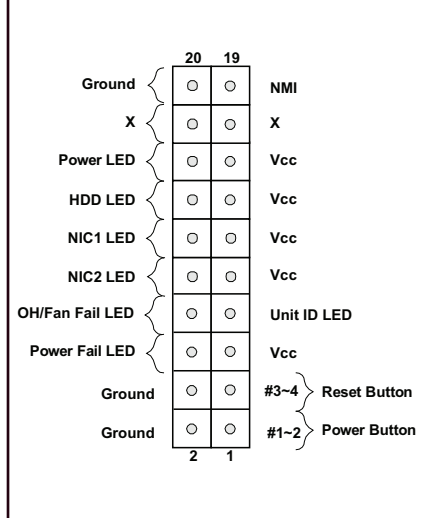
CPU Installation



Heatsink Installation



Front Control Panel (JF1)



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.