

CONTACT INFORMATION

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FOR YOUR SYSTEM TO WORK PROPERLY, PLEASE DOWNLOAD APPROPRIATE

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

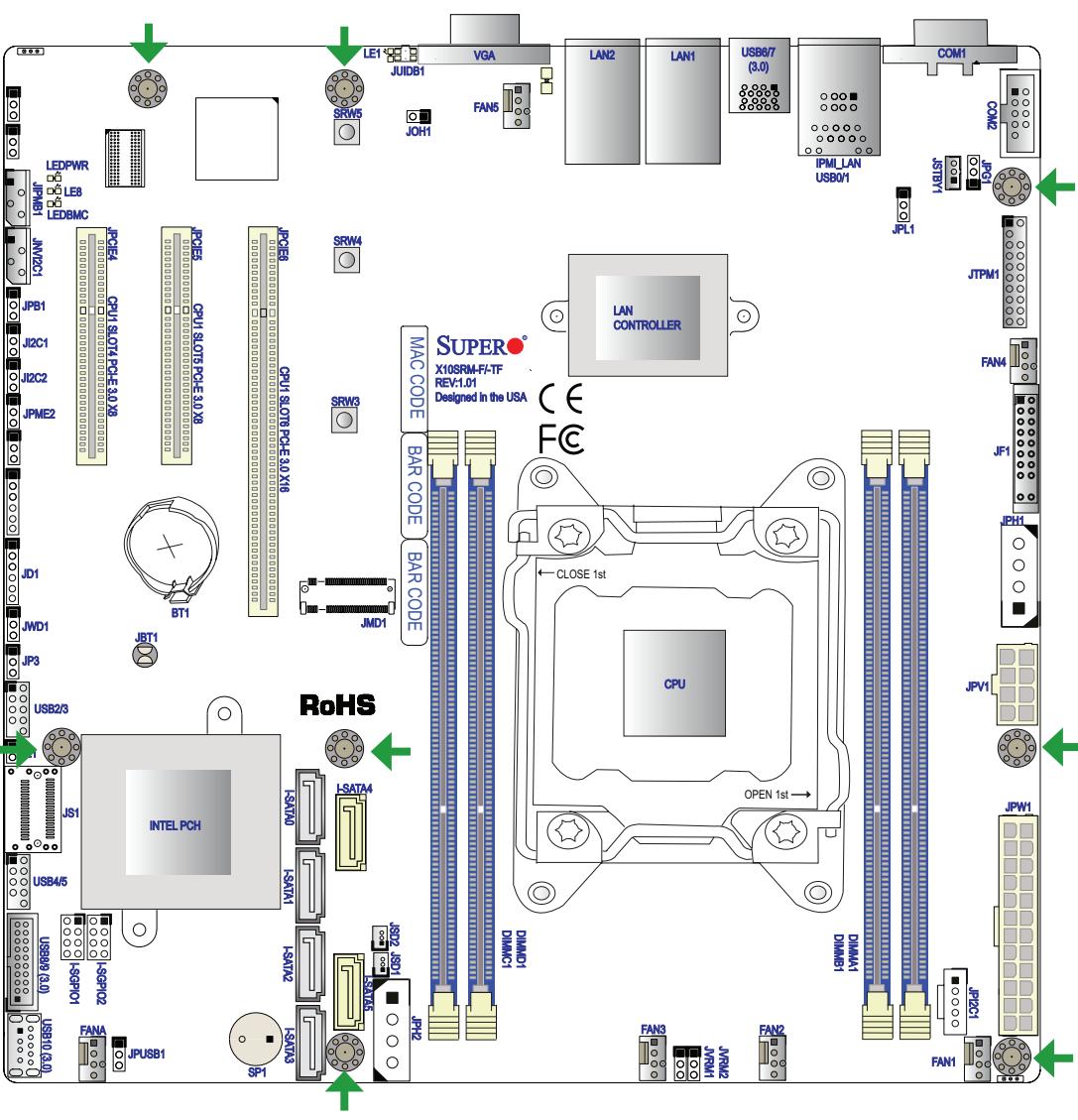
- Manuals: <http://www.supermicro.com/support/manuals>
- Drivers & Utilities: [ftp://ftp.supermicro.com/CDR_Images/CDR-X10-UP/](http://ftp.supermicro.com/CDR_Images/CDR-X10-UP/)
- Safety: http://www.supermicro.com/about/policies/safety_information.cfm

PACKAGE CONTENTS

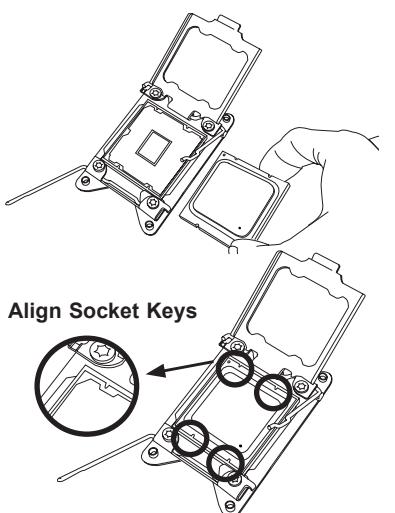
- One (1) Supermicro Motherboard
- Six (6) SATA Cables
- One (1) I/O Shield
- One (1) Quick Reference Guide

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.

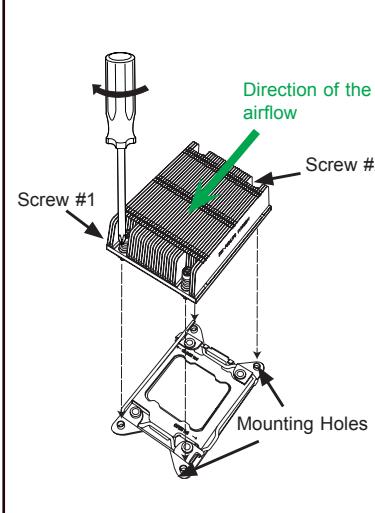
Motherboard Layout and Features



CPU Installation



Heatsink Installation



Front Control Panel (JF1)

	1	2	
Power Button < PWR	○	○	Ground
Reset Button < Reset	○	○	Ground
+3.3V	○	○	PSU PMBus alert#
Red+ (Blue LED Cathode)	○	○	Blue+ (OH/Fan Fail)
NIC2 Active LED	○	○	NIC2 Link LED
NIC1 Active LED	○	○	NIC1 Link LED
ID_UID_SW/3.3V_Standby	○	○	HDD LED
3.3V	○	○	FP PWRLED
X	○	○	X
NMI	○	○	Ground
19			20

Jumpers and Connectors

Jumpers		
Jumper	Description	Default
JBT1	Clear CMOS	Short: Clear CMOS, Open: Normal
JI ² C1/JI ² C2	SMB to PCI Slots	Pins 2-3 (Disabled)
JP3	M.2 Slots I ² C Enable/Disable	Pins 1-2 (Normal)
JPB1	BMC Enable/Disable	Pins 1-2 (Enabled)
JPG1	VGA Enable/Disable	Pins 1-2 (Enabled)
JPL1	LAN1/LAN2 Enable/Disable	Pins 1-2 (Enabled)
JPME2	Manufacturing Mode Select	Pins 1-2 (Normal)
JPUSB1	USB Wakeup	Pins 1-2 (Enabled) (For USB4/5/8/9 only)
JVRM1	VRM SMB Clock (to BMC or PCH)	Pins 1-2 (BMC, Normal)
JVRM2	VRM SMB Data (to BMC or PCH)	Pins 1-2 (BMC, Normal)
JWD1	Watch Dog	Pins 1-2 (Reset)

Connectors

Connector	Description	
BT1	Onboard Battery	
COM1/COM2	COM Port, COM Header	
FAN1 ~ FAN5, FANA	CPU Fan Headers, System Fan Headers	
IPMI_LAN	Dedicated IPMI LAN Port	
I-SATA0 ~ I-SATA5	Intel® PCH SATA 3.0 Ports	
I-SGPIO1/I-SGPIO2	Serial Link General Purpose I/O Connection Headers	
JD1	Speaker/Power LED Indicator	
JF1	Front Control Panel Header	
JIPMB1	4-pin BMC External I ² C Header (for an IPMI Card)	
JL1	Chassis Intrusion Header	
JMD1	M.2 Socket	
JNV12C1	NVMe I ² C Header	
JOH1	Overheat LED Indicator	
JPCIE4	CPU PCI-E 3.0 X8 (in X8) Slot	
JPCIE5	CPU PCI-E 3.0 X8 (in X8) Slot	
JPCIE6	CPU PCI-E 3.0 X16 (in X16) Slot	
JPH1/JPH2	4-pin Power Connectors for HDD use	
JPI2C1	Power I ² C System Management Bus (SMB) Header	
JPV1	8-pin Power Connector	
JPW1	24-pin ATX Power Connector	
JS1	iPass Connector	
JSD1/JSD2	SATA DOM Power Connectors	
JSTBY1	Standby Power Header	
JTPM1	Trusted Platform Module/Port 80 Connector	
JUIDB1	UID Switch	
LAN1/LAN2	LAN (RJ45) Ports	
SP1	Internal Speaker/Buzzer	
SRW3	M.2 42mm card holding screw	
SRW4	M.2 80mm card holding screw	
SRW5	M.2 110mm card holding screw	
USB0/1	Back Panel Universal Serial Bus (USB) 2.0 Ports	
USB6/7	Back Panel USB 3.0 Ports	
USB2/3, USB4/5	USB 2.0 Headers	
USB8/9	Front Accessible USB 3.0 Header	
USB10	USB 3.0 Type A Header	
VGA	VGA Port	

LED Indicators

LED Indicators			
LED	Description	Color/State	Status
LE1	Rear UID LED	Blue: On	Unit Identified
LE8	HDD Access LED	Green: On	HDD Detected
LEDBMC	BMC Heartbeat LED	Green: Blinking	BMC Normal
LEDPWR	Onboard Power LED	Green: Solid On	Power On

CPU Support

Intel® Xeon E5-1600 and E5-2600 v3/v4 series processors in an LGA 2011 socket.

Memory Support

The X10SRM-F-TF supports four ECC DDR4 RDIMM/LRDIMM at 2400 MT/s (max.) memory (1 DPC) up to 128GB RDIMM or 256GB LRDIMM. Populating these DIMM modules with a pair of memory modules of the same type and size will result in interleaved memory, which will improve memory performance.

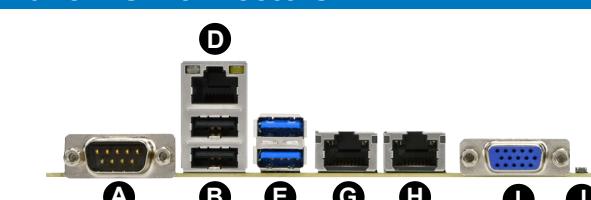
DIMM Memory Installation

Populating RDIMM/LRDIMM DDR4 Memory Modules for the E5-2600v3-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)		
			1 Slot Per Channel	2 Slots Per Channel	1 DPC
RDIMM	SRx4	8GB	4Gb	8Gb	1.2V
RDIMM	SRx8	8GB	8Gb	16GB	2400
RDIMM	DRx8	4GB	4Gb	8Gb	2400
RDIMM	DRx8	8GB	8Gb	16GB	2133
RDIMM	DRx4	16GB	16Gb	32Gb	2400
LRDIMM	QRx4	32GB	32Gb	64Gb	2400
LRDIMM	3DS ¹	8Gb	8Gb	16Gb	2400
LRDIMM	8Rx4	64GB	64Gb	128Gb	2400
LRDIMM	8Rx4	128GB	128Gb	256Gb	2400

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

Back Panel I/O Connectors



A. COM1	E. USB Port 6 (3.0)	I. VGA
B. USB Port 0 (2.0)	F. USB Port 7 (3.0)	J. UID Switch
C. USB Port 1 (2.0)	G. LAN1	
D. IPMI LAN	H. LAN2	

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