CPU Installation

Align Socket Keys

Motherboard Layout and Features

CONTACT INFORMATION

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SUPER® REVIOUS
X10DRL-CT

SAN MAC SAS CODE

Heatsink Installation

Screw#4

- Website: www.supermicro.com
- General Information: marketing@supermicro.com
- Tech Support: support@supermicro.com
 Phone: +1 (408) 503-8000, Fax: +1 (408) 503-8008

CPU2

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/

JPL1

= mounting hole

3.3 V **UID Switch**

NIC1 Activity LED NIC2 Activity LED

UID LED

3.3V

Front Panel Control (JF1)

FP PWRI FD

HDD LED NIC1 Link LED

NIC2 Link LED OH/Fan Fail/

PWR Fail LED) ower Fail LED

VGA

Safety: http://www.supermicro.com/about/policies/safety information.cfm

PACKAGE CONTENTS (Applies to individual-pack only)

- One (1) Supermicro Motherboard
- X10DRL-iT: Six (6) SATA Cables
 X10DRL-CT/-C: Two (2) SATA & Two (2) SAS Cables
- One (1) Quick Reference Guide

CPU Support

Dual Intel® E5-2600v3/v4 Series processors (Socket R3-LGA 2011); each processor supports dual full-width Intel QuickPath Interconnect (QPI) links (of up to 9.6 GT/s one direction per QPI)

Memory Support

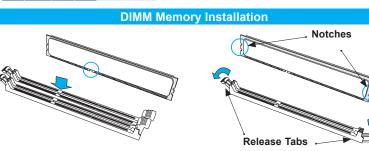
The X10DRL-CT/-iT/-C Motherboard supports up to 512 GB of DDR4 Registered (RDIMM)/Load Reduced (LRDIMM) ECC 2400/2133/1866/1600 MHz memory modules in eight DIMM slots. Memory speed support is dependent on the CPUs used in the motherboard. Note: For memory optimization, use only DIMM modules that have been validated by Supermicro. For the latest memory updates, please refer to our website at http:// www.supermicro.com/products/motherboard.

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

Populating RDIMM/LRDIMM DDR4 Memory Modules for the E5-2600v4based Motherboard

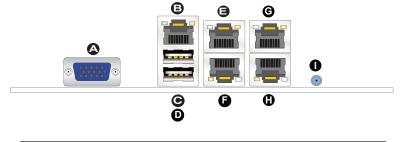
• One (1) I/O Shield

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



Note: Up to 512GB of memory are supported. See Chapter 2 of the user manual for complete memory population information.

Back Panel I/O Connectors



E. 1Gb LAN Port 1	H. 10Gb LAN Port 4*
F. 1Gb LAN Port 2	I. UID Switch / UID LED

/Note: Refer to Chapter 2 of the user manual for detailed information on memory support and CPU/ motherboard installation instructions and LED indicators.

Jumpers and Connectors

	Julipers	
Jumper	Description	Default Setting
JPB1	BMC Enable/Disable	Pins 1-2 (Enabled)
JPG1	Onboard VGA Enable	Pins 1-2 (Enabled)
JBR1	BIOS Recovery Mode	Pins 1-2 (Normal)
JPME2	Intel ME Recovery Mode	Pins 1-2 (Normal)
JBT1	Clear CMOS/Reset BIOS Configuration	(See Chpt. 2)
JPS1	SAS Enable* Pins 1-2 (Enabled)	
JWD1	Watch Dog Timer Enable	Pins 1-2 (Reset)
JPL1, JPL2	LAN1, LAN2 Enable/Disable Pins 1-2 (Enabled)	
JPTG1	10Gb LAN Support Enable/Disable* Pins 1-2 (Enabled)	
JI2C1/JI2C2	SMB to PCI-E Slots Pins 2-3 (Disabled)	

	Connectors and Switches
Connectors	Description
I/O Back Panel	See Back Panel I/O Connectors, Section 2-6
COM1	On board Serial port header for COM1
JL1	Chassis Intrusion Header
I-SATA0~5	SATA Interface for SATA1, 2, 3, 4, 5 and 6
USB 2/3	USB 2.0 Header for USB ports 2/3
JSD1	Power Connector for DOM (Disk on Module) Device
USB 8/9 (3.0)	USB 3.0 Header for USB ports 8/9
USB4	USB 2.0 Type A port for USB 4
JF1	Front Panel Control/LED Header
FAN1~6, FANA/B	CPU/System Fan Headers
L-SAS0~3, L-SAS4~7	L-SAS Interface for SAS0~7*
JTPM1	TPM (Trusted Platform Module) / Port 80 Header
I-SGPIO1/I-SGPIO2	Serial General Purpose I/O Headers 1 and 2
JD1	Speaker/Power LED
JS18	LSISAS3108 TFM connector
JIPMB1	System Management Bus header
JSTBY1	Standby Power Connector
JUIDB1	UID (Unit ID) Switch
JNVI2C1	PCI-E NVMe AOC I2C Header
JPWR1, JPWR2	8-pin ATX Power Connectors
JPI2C1	Power Supply SMBus I2C Header
J24	24-pin ATX Power Connector
	LED Indicators

		LED Indicators		
LED	Description	State	Status	
LEDPWR	Onboard Power LED	Green/Solid	System Power On	
LEDBMC	BMC Heartbeat LED	Green/Blinking	BMC Normal	
UID	UID Switch Indicator	Blue/Steady	UID Switch is On	
*Note: Refer to the table below for supported features.				
Occurrente di Mathembra and Enstance				

Supported Motherboard Features			
10Gb LAN Support	SAS Support		
Yes	Yes		
No	Yes		
Yes	No		
	10Gb LAN Support Yes No		

/ Note: Graphics shown in this quick reference guide are for illustration only. Your components may or may not look exactly the same as the drawings shown in this quide.

/ Note: Refer to Chapter 2 of the user manual for detailed information on jumpers, connectors,

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