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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-X11/>
- Safety: [http://www.supermicro.com/about/policies/safety\\_information.cfm](http://www.supermicro.com/about/policies/safety_information.cfm)

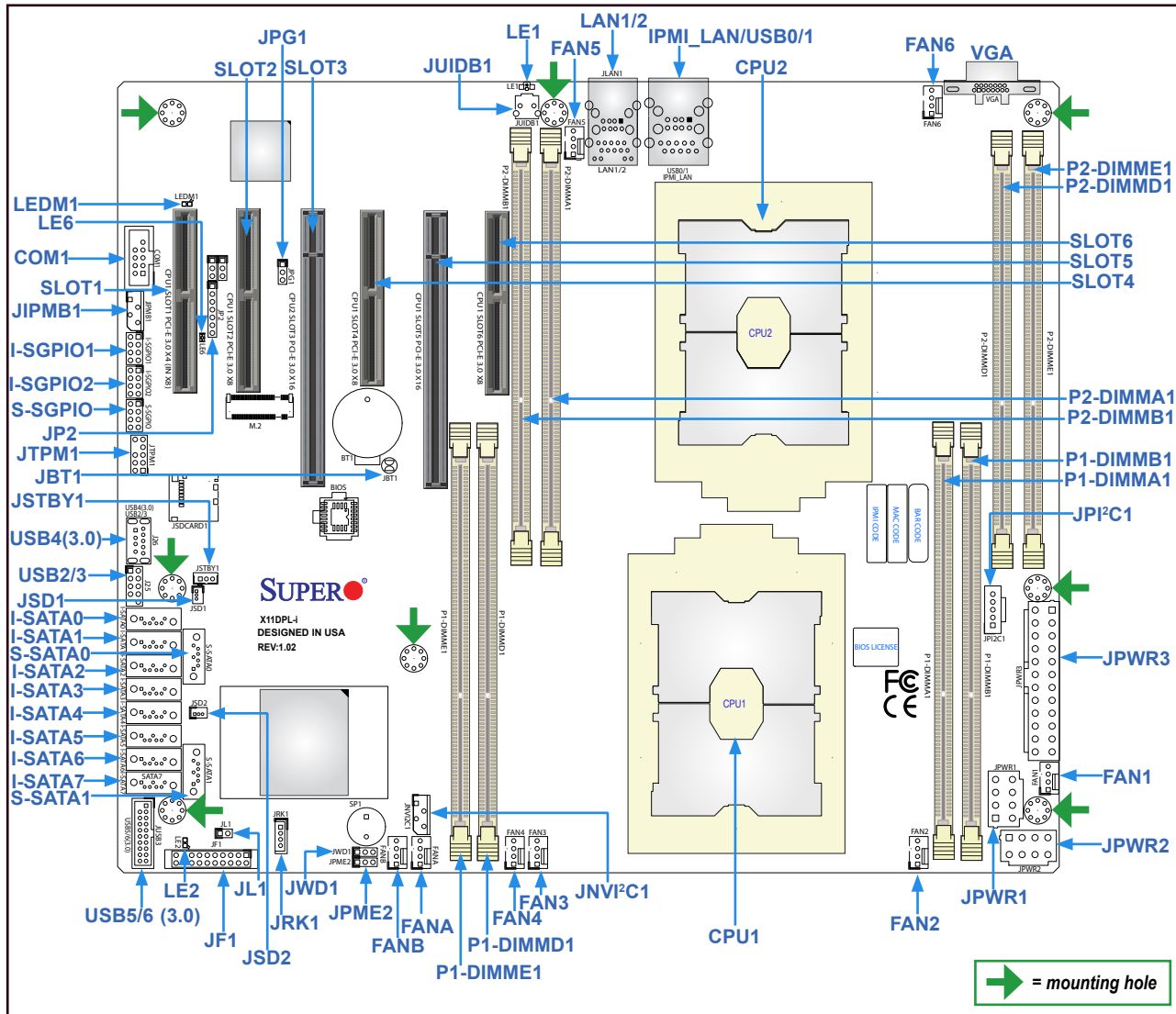
PACKAGE CONTENTS

- 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



Jumpers/Connectors/LED Indicators

Jumper	Description	Default Setting
JBT1	Clear CMOS	Open (Normal)
JPME2	Manufacturer (ME) Mode Select	Pins 1-2 (Normal)
JWD1	Watch-Dog Timer Enable	Pins 1-2 (Reset)

Connector	Description
Battery (BT1)	Onboard CMOS battery
COM 1	Front panel COM port 1
FAN 1~6	System cooling fan headers
FANA/FANB	Thermal fan headers for I/O add-on cards
JF1	Front control panel header
JL1	Chassis intrusion header
J25	USB 2.0 header for USB ports 2/3
J26	USB 3.0 Type A port for USB4
JPWR1/2	8-pin power connectors
JPWR3	24-pin power connectors
JPI2C1	Power supply I2C connector
JSD1/JSD2	Power connector SATA DOM
JSTBY1	Wake On LAN header
IPMI_LAN	Dedicated IPMI LAN port
JIPMB1	4-pin external BMC I2C header (for an IPMI card)
JNVI2C1	NVMe SMBus (I2C) header used for PCI-E hot-plug SMBus clock & data connections (an SMCI-proprietary NVMe add-on card and cable are required; available for a Supermicro complete system only)
JRK1	RAID Key for CPU NVMe SSD
JSDCARD1	Micro SSD (Solid State Drive) card slot (reserved for manufacture use only)
JTPM1	Trusted Platform Module (TPM)/Port 80 connector
M.2	M.2 Slot
(I-)SATA0~3, 4~7	I- SATA 3.0 connectors supported by the Intel PCH
(S-)SATA0/1	S- SATA 3.0 connectors supported by the Intel SCU
SP1	Internal speaker header
USB0/1	Back panel USB 3.0 ports
VGA	Back panel VGA ports

LED	Description	Status
LE1	UID (Unit Identifier) LED	Solid Blue: Unit Identified
LE6	Onboard Power LED	Solid Red: Standby Solid Green: Power On
LEDM1	BMC Heartbeat LED	Blinking Green: BMC Normal

IPMI LAN LEDs		
	Color/State	Definition
Link (Left)	Green: Solid Amber: Solid	100 Mbps 1Gbps
Activity (Right)	Amber: Blinking	Active

LAN1/LAN2 LEDs		
	Color/State	Definition
Activity (Left)	Yellow: Blinking	Active
Link (Right)	Off: Amber: Solid	No Connection 1Gbps

CPU Support

This motherboard supports dual Intel Xeon 81xx/61xx/51xx/41xx/31xx series processors (Socket P) with a TDP (Thermal Design Power) of up to 140W and a UPI (UltraPath Interconnect) of up to 10.4GT/s.

Memory Support

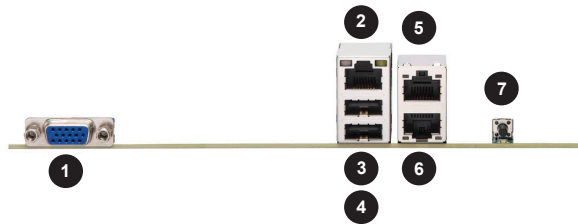
This motherboard supports up to 1TB of 3DS LRDIMM/LRDIMM/RDIMM/NV-DIMM DDR4 ECC 2666/2400/2133 MHz memory in 8 memory slots. Please refer to the tables below for memory population instructions

Memory Population Table for the X11DP Motherboard w/8 DIMM Slots Onboard

When 1 CPU is used:	Memory Population Sequence
1 CPU & 1 DIMM	CPU1: P1-DIMMA1
1 CPU & 2 DIMMs	CPU1: P1-DIMMA1/P1-DIMMD1
1 CPU & 3 DIMMs (Unbalanced: not recommended)	CPU1: P1-DIMMB1/P1-DIMMA1/P1-DIMMD1
1 CPU & 4 DIMMs	CPU1: P1-DIMMB1/P1-DIMMA1/P1-DIMMD1/P1-DIMME1
When 2 CPUs are used:	Memory Population Sequence
2 CPUs & 2 DIMMs	CPU1: P1-DIMMA1 CPU2: P2-DIMMA1
2 CPUs & 4 DIMMs	CPU1: P1-DIMMA1/P1-DIMMD1 CPU2: P2-DIMMA1/P2-DIMMD1
2 CPUs & 6 DIMMs	CPU1: P1-DIMMB1/P1-DIMMA1/P1-DIMMD1/P1-DIMME1 CPU2: P2-DIMMA1/P2-DIMMD1
2 CPUs & 8 DIMMs	CPU1: P1-DIMMB1/P1-DIMMA1/P1-DIMMD1/P1-DIMME1 CPU2: P2-DIMMB1/P2-DIMMA1/P2-DIMMD1/P2-DIMME1

**Notes:** 1. Memory speed is dependent on the type of processors used in the system. 2. Using unbalanced memory topology such as populating two DIMMs in one channel while populating one DIMM in another channel on the same motherboard will result in reduced memory performance. 3. To avoid causing interference with other components, please be sure to use an add-on card that is fully compliant with the PCI Standards on a PCI slot card that is fully compliant with the PCI Standards on a PCI slot.

Back Panel I/O Connectors



Back Panel I/O Ports			
No.	Description	No.	Description
1.	VGA port	5.	LAN2
2.	Dedicated IPMI LAN	6.	LAN1
3.	USB1 (2.0)	7.	Unit Identifier Switch
4.	USB0 (2.0)		

CPU/Heatsink Installation

