CONTACT INFORMATION

- Website: www.supermicro.com
- General Information: marketing@supermicro.com
- **Technical Support: support@supermicro.com

 **Phone: +1 (408) 503-8000, Fax: +1 (408) 503-8008
- 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-DP/

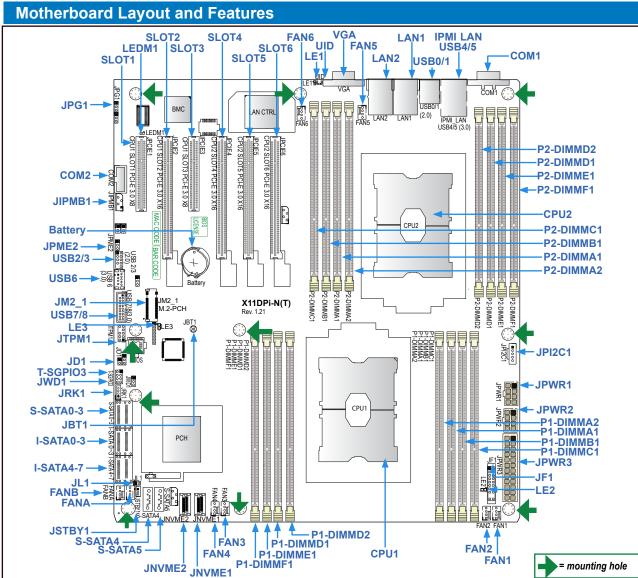
Jumpers and Connectors

Safety: http://www.supermicro.com/about/policies/safety_information.cfm

PACKAGE CONTENTS

- One (1) Supermicro Motherboard
- Two (2) SATA Cables
- One (1) Mini SAS to 4 SATA cable
- One (1) I/O Backplane

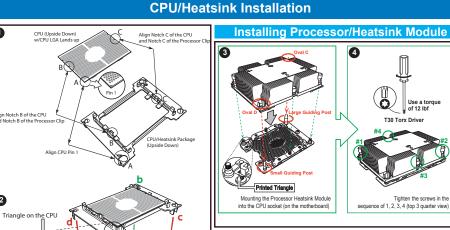




Jumper Description **Default Setting CMOS Clear** JBT1 Open (Normal) VGA Enable Pins 1-2 (Enabled) JPME2 Manufacturing Mode Select Pins 1-2 (Normal) JWD1 Watch Dog Timer Enable Pins 1-2 (Reset to System) Connector Description BT1 Onboard CMOS battery socket COM1/COM2 Back panel COM port/COM header for front access FAN1-6, FANA/FANB System cooling fan headers (FAN1-FAN6, FAN A, FAN B) IPMI LAN Dedicated IPMI LAN port I-SATA0~3, I-SATA4~7 SATA 3.0 connection header supported by the Intel PCH Internal speaker/buzzer header Front Panel Control header JIPMB1 4-pin BMC External I²C header (for an IPMI-supported card) Chassis Intrusion header JM2 1 PCI-E M.2 slot JNVME1/JNVME2 NVMe Connector1/NVMe Connector2 JPI²C1 Power Supply SMBbus I2C header JPWR1/JPWR2 8-pin power supply connectors JPWR3 24-pin ATX main power supply connector JRK1 Intel RAID Key header for NVMe SDD JSTBY1 Standby power header JTPM1 Trusted Platform Module (TPM)/Port 80 connector LAN1/LAN2 Gigabit LAN/10G LAN Ethernet ports on the IO back panel S-SATA0-3 S-SATA 3.0 connection Header supported by the Intel SCU S-SATA Ports w/power pins built-in & support SuperDOM S-SATA4/S-SATA5 SLOT1/SLOT3 PCI-Express 3.0 x8 Slots supported by CPU1 PCI-Express 3.0 x16 Slot supported by CPU1 SLOT2 SLOT4/SLOT5/SLOT6 PCI-Express 3.0 x16 Slots supported by CPU2 T-SGPIO3 General Purpose Serial I/O Port UID Unit Identifier (UID) Switch USB0/1 & USB4/5 Back panel USB 2.0 Ports (USB0/1) & USB 3.0 Ports (USB4/5) USB2/3 Front Accessible USB 2.0 Header

Notes: 1. Memory speed is dependent on the type of processors used in the system. 2. Using PCI Standards on a PCI slot.

Front Control Panel (JF1)



		1	2	
		_		1
\neg	Power	0	0	Ground
	Reset	0	0	Ground
	3.3V	0	0	Power Fail LED
	UID LED	0	0	OH/Fan Fail LED
	3.3V Stby	0	0	NIC2 Active LED
,	3.3V Stby	0	0	NIC1 Active LED
)	3.3V Stby	0	0	HDD LED
	3.3V	0	0	PWR LED
	х	0	0]
ie v)	NMI	0	0	Ground
		19	20	-

Notes: 1. Refer to Chapter 2 of the user's manual for detailed installation instructions. 2. Intel 621/x722 supports two G (1GbE) LAN ports on the X11DPi- N and two 10G (10GbE) LAN ports on the X11DPi-NT. 3. 10GbE LAN ports are for X11DPi-NT only. 4. Please refer to our website at www.supermicro.com for CPU/Memory support updates. 5. All graphics in this quick reference guide are for illustration only. Your components may or may not look the same as the graphics shown in this quick reference guide.

LED Indicators

USB6

USB7/8

VGA

LED	Description	Status
LE1	UID (Unit Identifier) LED	Solid Blue: Unit identified
LE2	Onboard Power LED	On: Onboard power on
LE3	M.2 Active LED	On: M.2 active
LEDM1	BMC Heartbeat LED	Blinking Green: BMC normal

Type A USB 3.0 Header

VGA Port

Front Accessible USB 3.0 Header

CPU Support

This motherboard supports dual Intel 81xx/61xx/51xx/41xx/31xx (Socket P0) series processors with support of UltraPath Interconnect (UPI) of up to 10.4 GT/s.

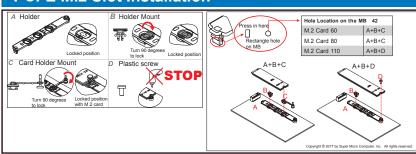
Memory Support

This motherboard supports up to 2TB of 3DS LRDIMM/LRDIMM/3DS RDIMM/RDIMM/ NV-DIMM DDR4 ECC 2666/2400/2133 MHz memory in 16 memory slot. Please refer to the tables below for memory population instructions.

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	CPU1: P1-DIMMC1/P1-DIMMB1/P1-DIMMA1			
1 CPU & 4 DIMMs	CPU1: P1-DIMMB1/P1-DIMMA1/P1-DIMMD1/P1-DIMME1			
1 CPU & 5 DIMMs (Unbalanced: not recommended)	CPU1: P1-DIMMC1/P1-DIMMB1/P1-DIMMA1/P1-DIMMD1/P1-DIMME1			
1 CPU & 6 DIMM	CPU1: P1-DIMMC1/P1-DIMMB1/P1-DIMMA1/P1-DIMMD1/P1-DIMME1/P1-DIMMF1			
1 CPU & 7 DIMMs (Unbalanced: not recommended)	CPU1: P1-DIMMB1/P1-DIMMB2/P1-DIMMA1/P1-DIMMA2/P1-DIMMD1/P1-DIMME1/P1-DIMMF1			
1 CPU & 8 DIMMs (Unbalanced: not recommended)	CPU1: P1-DIMMB1/P1-DIMMB2/P1-DIMMA1/P1-DIMMA2/P1-DIMMD2/P1-DIMMD1/P1-DIMME1/P1-DIMM			
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-DIMMC1/P1-DIMMB1/P1-DIMMA1 CPU2: P2-DIMMC1/P2-DIMMB1/P2-DIMMA1			
2 CPUs & 8 DIMMs	CPU1: P1-DIMMB1/P1-DIMMA1/P1-DIMMD1/P1-DIMME1 CPU2: P2-DIMMB1/P2-DIMMA1/P2-DIMMD1/P2-DIMME1			
2 CPUs & 10 DIMMs	CPU1: P1-DIMMC1/P1-DIMMB1/P1-DIMMA1/P1-DIMMD1/P1-DIMME1/P1-DIMMF1 CPU2: P2-DIMMB1/P2-DIMMA1/P2-DIMMD1/P2-DIMME1			
2 CPUs & 12 DIMMs	CPU1: P1-DIMMC1/P1-DIMMB1/P1-DIMMA1/P1-DIMMD1/P1-DIMME1/P1-DIMMF1 CPU2: P2-DIMMC1/P2-DIMMB1/P2-DIMMA1/P2-DIMMD1/P2-DIMME1/P2-DIMMF1			
2 CPUs & 14 DIMMs (Unbalanced: not recommended)	CPU1: P1-DIMMC1/P1-DIMMB1/P1-DIMMA1/P1-DIMMA2/P1-DIMMD1/P1-DIMME1/P1-DIMMF1 CPU2: P2-DIMMC1/P2-DIMMB1/P2-DIMMA1/P2-DIMMA2/P2-DIMMD1/P2-DIMME1/P2-DIMMF1			
2 CPUs & 16 DIMMs (Unbalanced: not recommended)	CPU1: P1-DIMMC1/P1-DIMMB1/P1-DIMMA1/P1-DIMMA2/P1-DIMMD2/P1-DIMMD1/P1-DIMME1/P1-DIMM CPU2: P2-DIMMC1/P2-DIMMB1/P2-DIMMA1/P2-DIMMA2/P2-DIMMD2/P2-DIMMD1/P2-DIMME1/P2-DIMME1/P2-DIMMD1/P2-DIMMD1/P2-DIMMD1/P2-DIMMD1/P2-DIMMD1			

unbalanced memory topology will reduce memory performance. An example of unbalanced memory is populating two DIMMs in one channel while populating one DIMM in another channel on the same motherboard. 3. To avoid causing interference with other components, please be sure to use an addon card that is fully compliant with the PCI Standards on a PCI slot card that is fully compliant with the

PCI-E M.2 Slot Installation



Back Panel I/O Connectors



MNL-1773-QRG-10b