CONTACT INFORMATION

- Website: www.supermicro.com
- General Information: marketing@supermicro.com

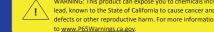
- Technical Support: support@supermicro.com
 Phone: +1 (408) 503-8000, Fax: +1 (408) 503-8008

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

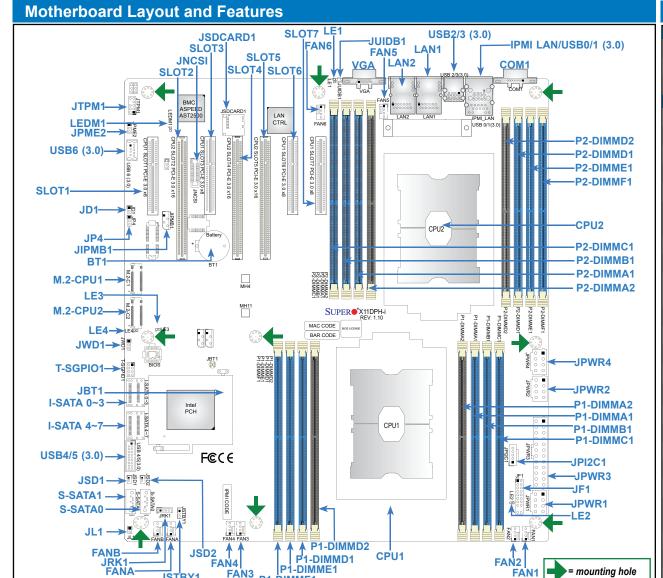
- Manuals: http://www.supermicro.com/support/manuals
- Drivers & Utilities: https://www.supermicro.com/wdl/driver
- Safety: http://www.supermicro.com/about/policies/safety_information.cfm

PACKAGE CONTENTS

- One (1) Supermicro Motherboard
- Two (2) SATA Cables CBL-0044L (x2) One (1) I/O Shield MCP-260-00042-ON







Front Control Panel (JF1 CPU/Heatsink Installation Installing Processor/Heatsink Module UID LED NIC2 Active LED HDD LED PWR LED Notes: 1. Please refer to Chapter 2 of the user's manual for detailed instructions of CPU/Heatsink

and memory installation. 2. Please refer to our website at www.supermicro.com for CPU/Memory support updates. 3. All graphics shown 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.

Jumpers/Connectors/LED Indicators Default Setting JBT1 **CMOS Clear** Open (Normal) JPMF2 ME Manufacturing Mode Pins 1-2 (Normal) JWD1 Watch Dog Timer Enable Pins 1-2 (Reset) BT1 Onboard CMOS battery COM1 COM port on the I/O back panel FAN1~6, FANA/FANB System/cooling fan headers IPMI LAN Dedicated IPMI LAN port I-SATA0~3. I-SATA4~7 SATA 3.0 ports supported by the Intel PCH Speaker/buzzer header (used in conjunction with an external speaker/buzzer) (optional) JF1 Front control panel header JIPMB1 4-pin external I²C header (for an IPMI card) Chassis intrusion header (For this feature to work properly, JL1 please connect chassis intrusion switch into this header.) Network Controller Sideband Interface (NCSI) header JPI²C1 Power I²C System Management Bus (SMBus) header JPWR1, JPWR2, JPWR4 8-pin power supply connectors JPWR3 24-pin ATX main power supply connector JRK1 Intel RAID key for NVMe SSD (Solid State Devices) JSD1, JSD2 SATA DOM (Device-on-Module) power connectors JSDCARD1 Micro SD card slot JSTBY1 Standby power header JTPM1 Trusted Platform Module (TPM)/Port 80 connector JUIDB1 Unit Identifier (UID) switch 10GbE LAN ports (for the X11DPH-T(g)) and Gigabit LAN LAN1. LAN2 ports (for the X11DPH-i) M.2-CPU1, M.2-CPU2 PCIE M.2 slots (w/VMD support) MH4, MH11 M.2 mounting holes SLOTS 1/3/6/7 PCI-Express 3.0 x8 slots supported by CPU1 SLOTS 2/4/5 PCI-Express 3.0 x16 slots supported by CPU2 Powered SATA 3.0 ports with support of Supermicro S-SATA0, S-SATA1 SuperDOM (Disk-On-Module) T-SGPIO1 Serial_Link General Purpose I/O (GPI/O) port USB0/1, USB2/3 Back Panel Universal Serial Bus (USB) 3.0 ports Internal USB 3.0 header with two USB (USB4/5) connections USB4/5 supported for front access Type A USB 3.0 header for front access USB6 VGA VGA port

	LED	Description	LED Status
	LE1	UID (Unit Identifier) LED	Solid Blue: Unit identified
	LE2	Onboard Power LED	Solid Green: Power On
	LEDM1	BMC Heartbeat LED	Blinking Green: BMC normal

CPU Support

This motherboard supports dual Intel Xeon Scalable-SP or 2nd Gen Intel Xeon Scalable-SP series processors with support of 3 UltraPath Interconnect (UPI) of 10.4GT/s.

Memory Support

This motherboard supports up to 4TB of 3DS LRDIMM, LRDIMM, 3DS RDIMM, RDIMM, NV-DIMM DDR4 (288-pin) ECC 2933/2666/2400/2133 MHz memory modules in 16 slots. (Notes: 1. Up to 5TB is supported with (L)RDIMM and DCPMM populated in a balanced memory configuration. 2. 2933 MHz memory is supported by 2nd Gen Intel Xeon Scalable-SP(82xx/62xx) series processors only. 3. Unbalanced memory configuration decreases memory performance and is not recommended.)

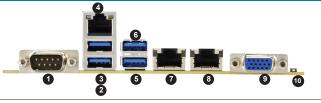
DIMM Population Table

	Divini i opulation table			
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 recom- mended)	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 recom- mended)	CPU1:P1-DIMMC1/P1-DIMMB1/P1-DIMMA1/P1-DIMMA2/P1-DIMMD1/P1-DIMME1/P1-DIMMF1			
1 CPU & 8 DIMMs (Unbalanced: not recom- mended)	CPU1: P1-DIMMC1/P1-DIMMB1/P1-DIMMA1/P1-DIMMA2/P1-DIMMD2/P1-DIMMD1/P1-DIMME1/P1-DIMMF1			
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 recom- mended)	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 recom- mended)	CPU1: P1-DIMMC1/P1-DIMMB1/P1-DIMMA1/P1-DIMMA2/P1-DIMMD2/P1-DIMMD1/P1-DIMME1/P1-DIMMF1 CPU2: P2-DIMMC1/P2-DIMMB1/P2-DIMMA1/P2-DIMMA2/P2-DIMMD2/P2-DIMMD1/P2-DIMME1/P2-DIMMF1			

PCI-E M.2 Slot Installation







	Back Panel I/O Ports					
1.		COM1	6.	USB 3 (USB 3.0)		
2.		USB 0 (USB 3.0)	7.	GLAN1 (X11DPH-i), 10G_LAN1 (X11DPH-T/X11DPH-Tq)		
3.		USB 1 (USB 3.0)	8.	GLAN2 (X11DPH-i), 10G_LAN2 (X11DPH-T/X11DPH-Tq)		
4.		IPMI LAN	9.	VGA		
5.		USB 2 (USB 3.0)	10.	Unit Identifier Switch (UID)		

MNL-1912-QRG-11A