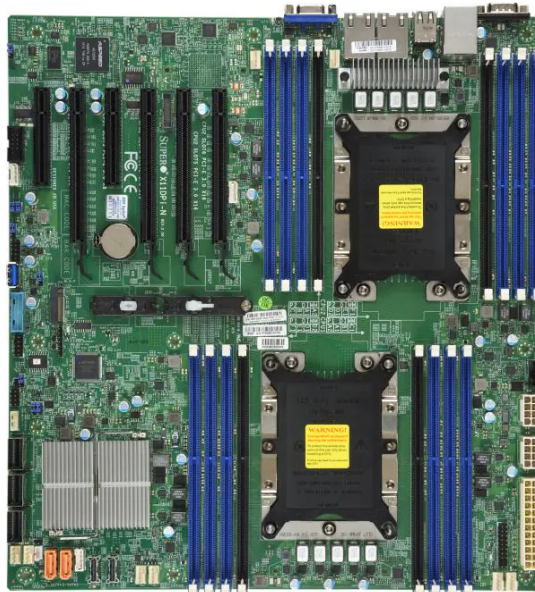


X11DPI-NT



Dual 10GbE

Key Features



1. 2nd Gen Intel® Xeon® Scalable Processors and Intel® Xeon® Scalable Processors
Dual Socket LGA-3647 (Socket P) supported, CPU TDP support Up to 205W TDP, 2 UPI up to 10.4 GT/s
2. Intel® C622
3. Up to 4TB 3DS ECC RDIMM, DDR4-2933MHz; Up to 4TB 3DS ECC LRDIMM, DDR4-2933MHz
Or 2TB Intel® PMem, DDR4-2666MHz, in 16 DIMM slots;
Up to 2TB Intel® Optane™ DC Persistent Memory in memory mode (Cascade Lake only);
4. 4 PCI-E 3.0 x16,
2 PCI-E 3.0 x8,
2 PCI-E 3.0 NVMe x4 Internal Port(s)
M.2 Interface: PCI-E 3.0 x4
M.2 Form Factor: 2260, 2280, 22110
M.2 Key: M-Key
5. Intel® C622 controller for 14 SATA3 (6 Gbps) ports; RAID 0,1,5,10
6. Dual LAN with 10GBase-T with Intel® X722 + X557
7. 1 VGA port

Specifications

Product SKUs		Expansion Slots	
MBD-X11DPI-NT	X11DPI-NT	PCI-E	4 PCI-E 3.0 x16, 2 PCI-E 3.0 x8
Physical Stats		M.2	- M.2 Interface: PCI-E 3.0 x4 - Form Factor: 22110, 2280, 2260 - Key: M-Key
Form Factor	E-ATX	System BIOS	
Dimension	12" x 13" (30.48cm x 33.02cm)	BIOS Type	AMI UEFI
Processor		Management	
CPU	2nd Gen Intel® Xeon® Scalable Processors and Intel® Xeon® Scalable Processors - Dual Socket LGA-3647 (Socket P) supported, CPU TDP supports Up to 205W TDP, Dual UPI up to 10.4 GT/s	Software	SuperDoctor® 5, SUM, KVM with dedicated LAN, SPM, Intel® Node Manager, SSM, IPMI2.0, Watchdog
Core	Up to 28 cores	PC Health Monitoring	
Note	BIOS version 3.0a or above is required to support 2nd Generation Intel Xeon Scalable Processors-SP	Voltage	Monitors CPU voltages, 3.3V standby, +5V standby, +5V, +3.3V, +12V
System Memory		LED	- UID/Remote UID - Power LED - BMC/IPMI Heartbeat LED - CPU / System Overheat LED
Memory Capacity	16 DIMM slots - Up to 2TB Intel® Optane™ Persistent Memory 200 Series, DDR4-2666MHz - Up to 4TB 3DS ECC LRDIMM, DDR4-2933MHz; Up to 4TB 3DS ECC RDIMM, DDR4-2933MHz - Up to 2TB Intel® Optane™ DC Persistent Memory in memory mode (Cascade Lake only)	Temperature	- Monitoring for CPU and chassis environment - CPU thermal trip support - PECI
Memory Type	2933/2666/2400/2133MHz ECC DDR4 LRDIMM (3DS), RDIMM (3DS)	FAN	8x 4-pin fan headers (up to 8 fans) - PWM fan speed control
DIMM Sizes	- LRDIMM: 128GB - RDIMM: 64GB	Other Features	UID, RoHS, Node Manager Support, CPU thermal trip support for processor protection, Control of power-on for recovery from AC power loss, Chassis intrusion header, Chassis intrusion detection, ATX Power connector, ACPI power management, SDDC, NCSI header
Memory Voltage	1.2V	Operating Environment	
Error Detection	- Corrects single-bit errors - Detects double-bit errors (using ECC memory)	Operating Temperature Range	10°C - 35°C (50°F - 95°F)
On-Board Devices		Non-Operating Temperature Range	-40°C - 70°C (-40°F - 158°F)
Chipset	Intel® C622	Operating Relative Humidity Range	8% - 90% (non-condensing)
SATA	Intel® C622 controller for 14 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Non Operating Relative Humidity Range	5% - 95% (non-condensing)
IPMI	ASPEED AST2500		
Graphics	ASPEED AST2500 BMC		
Network Controllers	Dual LAN with 10GBase-T with Intel® X722 + X557		
Input / Output			

SATA	■ 14 SATA3 (6Gbps) port(s)
USB	■ 4 USB 2.0 port(s) (2 rear; 2 via header) ■ 3 USB 3.2 Gen1 port(s) (2 via header; 1 type A) ■ 2 USB 3.0 port(s) (2 rear)
Video Output	■ 1 VGA port(s)
Serial Port	■ 2 COM Port(s) (1 header; 1 rear)
DOM	■ 2 SuperDOM (Disk on Module) ports
TPM	■ 1 TPM Header

Parts List

Parts List (Bulk Package)			
Name	Part Number	Qty	Description
Motherboard	MBD-X11DPI-NT	1	X11DPI-NT Motherboard
I/O Cables	CBL-0044L • eStore	2	57.5 cm SATA FLAT S-S PBF
I/O Shield	MCP-260-00042-0N • eStore	1	STD I/O SHIELD

Parts List (Retail Package)			
Name	Part Number	Qty	Description
Motherboard	MBD-X11DPI-NT	1	X11DPI-NT Motherboard
I/O Cables	CBL-0044L • eStore	2	STD I/O SHIELD
	CBL-0476L • eStore	1	57.5 cm SATA FLAT S-S PBF
I/O Shield	MCP-260-00042-0N • eStore	1	-
Quick Reference Guide	MNL-1773-QRG	1	IPASS to 4 SATA cable

Optional Parts List			
Name	Part Number	Qty	Description
TPM security module (optional, not included)	<u>AOM-TPM-9671V-S</u>	--	SPI capable TPM 1.2 with Infineon 9670 controller with vertical form factor SPI capable TPM 2.0 with Infineon 9670 controller with vertical form factor
	<u>AOM-TPM-9670V-S</u>	--	

Chassis (Optimized for X11DPI-NT)

Embedded Compact	1U	2U	3U	Mid/Mini-Tower	4U/Tower
		● <u>SC213AC-R1K23LPB</u> <u>SCLA25TQC-R609LP</u> ● <u>SC825TQC-R1K03LPB</u> <u>SC825TQC-R802LPB</u>	<u>SC835TQC-R1K03B</u> <u>SC835TQC-R802B</u>		● <u>SC842TQC-865B</u> <u>SC745BAC-R1K28B2</u>

● = Most optimized Chassis for SuperServer Configuration
Blue color = Compatible
Green color = Global SKU & Compatible
Red dot & green color = Optimized + Global SKU

Server (Optimized for X11DPI-NT)

Server Name
<u>SYS-2029P-C1RT</u>
<u>SYS-6029P-TRT</u>
<u>SYS-7049P-TRT</u>