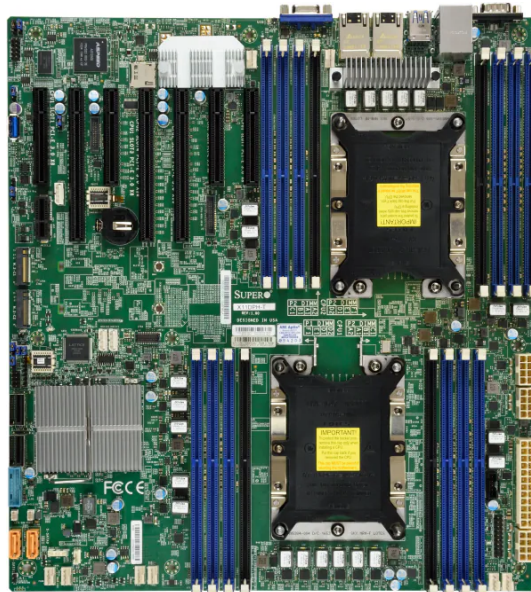


X11DPH-i



7 PCI-E 3.0 Slots

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, 3 UPI up to 10.4 GT/s
2. Intel® C621
3. Up to 4TB 3DS ECC RDIMM, DDR4-2933MHz; Up to 4TB 3DS ECC LRDIMM, DDR4-2933MHz
Or 2TB DCPMM, DDR4-2666MHz, in 16 DIMM slots;
Up to 2TB Intel® Optane™ DC Persistent Memory in memory mode (Cascade Lake only);
4. 3 PCI-E 3.0 x16,
4 PCI-E 3.0 x8
M.2 Interface: 2 PCI-E 3.0 x4
M.2 Form Factor: 2242/2260/2280/22110
M.2 Key: M-Key (RAID 0,1 support)
5. Intel® C621 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10
6. Dual LAN with 1GbE with Intel® X722 + Marvell 88E1512
7. 1 VGA port

Specifications

Expansion Slots

PCI-E	3 PCI-E 3.0 x16, 4 PCI-E 3.0 x8
M.2	- M.2 Interface: 2 PCI-E 3.0 x4, RAID 0,1 - Form Factor: 2242/2260/2280/22110 - Key: M-Key

System BIOS

BIOS Type	AMI UEFI
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Management

Software	SuperDoctor® 5, SUM, KVM with dedicated LAN, SPM, Intel® Node Manager, SSM, IPMI2.0, Watchdog
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PC Health Monitoring

Voltage	Monitors CPU voltages, Chipset Voltage, 1.05 (PCH), +5V standby, +5V, +3.3V, +12V, +1.8V, Memory Voltages
LED	- UID/Remote UID - Power LED - BMC/IPMI Heartbeat LED
Temperature	- Monitoring for CPU and chassis environment - CPU thermal trip support - Thermal Control for 8 Fan Connectors
FAN	8x 4-pin fan headers (up to 8 fans) - PWM fan speed control
Other Features	WOL, UID, RoHS, CPU thermal trip support for processor protection, Chassis intrusion header, Chassis intrusion detection, ATX Power connector, ACPI power management, 8-pin 12v DC power connector, SDDC, NCSI header

Operating Environment

Operating Temperature Range	10°C - 35°C (50°F - 95°F)
Non-Operating Temperature Range	-40°C - 70°C (-40°F - 158°F)
Operating Relative Humidity Range	8% - 90% (non-condensing)
Non Operating Relative Humidity Range	5% - 95% (non-condensing)

Product SKUs

MBD-X11DPH-i	■ X11DPH-i
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Physical Stats

Form Factor	■ E-ATX
Dimension	■ 12" x 13" (30.48cm x 33.02cm)

Processor

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, 3 UPI up to 10.4 GT/s
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System Memory

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
Memory Type	■ 2933/2666/2400/2133MHz ECC DDR4 LRDIMM (3DS), RDIMM (3DS)
DIMM Sizes	■ LRDIMM: 64GB ■ RDIMM: 64GB
Memory Voltage	■ 1.2V
Error Detection	■ Corrects single-bit errors ■ Detects double-bit errors (using ECC memory)

On-Board Devices

Chipset	■ Intel® C621
SATA	■ Intel® C621 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10
IPMI	■ ASPEED AST2500
Network Controllers	■ Dual LAN with 1GbE with Intel® X722 + Marvell 88E1512

Input / Output

SATA	■ 10 SATA3 (6Gbps) port(s)
LAN	■ 2 1GbE LAN ports
USB	■ 7 USB 3.2 Gen1 port(s) (2 via header; 4 rear; 1 type A)
Video Output	■ 1 VGA port(s)
Serial Port	■ 1 COM Port(s) (1 rear)
DOM	■ 2 SATA <u>DOM</u> (Disk on Module) power connector support
TPM	■ 1 TPM Header

Parts List

Parts List (Bulk Package)			
Name	Part Number	Qty	Description
Motherboard	MBD-X11DPH-i	1	X11DPH-i 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

Optional Parts List			
Name	Part Number	Qty	Description
TPM security module (optional, not included)	<u>AOM-TPM-9671V</u>	1	SPI capable TPM 1.2 with Infineon 9670 controller with vertical form factor
	<u>AOM-TPM-9670V</u>	1	
	<u>AOM-TPM-9670H</u>	1	
	<u>AOM-TPM-9671H</u>	1	
			SPI capable TPM 2.0 with Infineon 9670 controller with vertical form factor
			SPI capable TPM 2.0 with Infineon 9670 controller with horizontal form factor
			SPI capable TPM 1.2 with Infineon 9670 controller with horizontal form factor

Chassis (Optimized for X11DPH-i)

Embedded Compact	1U	2U	3U	Mid/Mini-Tower	4U/Tower
		● <u>SC216BE1C4-R1K23LPB</u> ● <u>SC829HE1C4-R1K62LPB</u> <u>SCLA26E1C4-R609LP</u> ● <u>SC826BE1C4-R1K23LPB</u>	● <u>SC836BE1C-R1K23B</u> <u>SC835TQC-R1K03B</u>		● <u>SC846BE1C-R1K23B</u> ● <u>SC847BE1C4-R1K23LPB</u>

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

