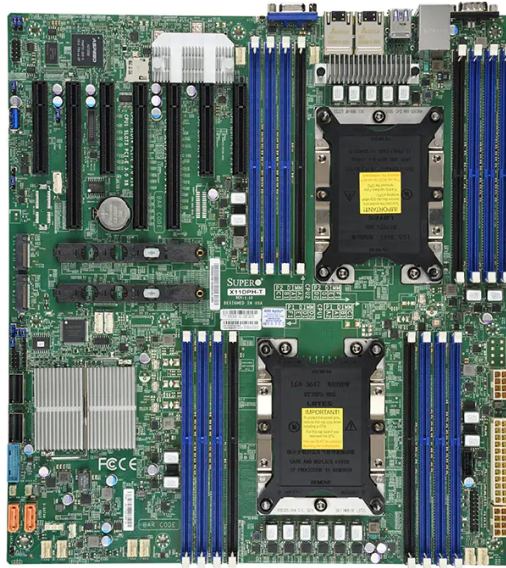


# X11DPH-T

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**7 PCI-E 3.0 Slots**

## Key Features

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  
Intel® C622

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);

3 PCIe 3.0 x16,

4 PCIe 3.0 x8

**M.2 Interface:** 2 PCIe 3.0 x4

**M.2 Form Factor:** 2242/2260/2280/22110

**M.2 Key:** M-Key (RAID 0,1 support)

Dual LAN with 10GBase-T with Intel® X722 + X557

Intel® C622 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10

1 VGA port

## Optimized Servers

[SSG-2029P-ACR24H](#)

[SSG-2029P-ACR24L](#)

[SSG-2029P-E1CR24H](#)

[SSG-2029P-E1CR24L](#)

[SSG-6029P-E1CR12H](#)

[SSG-6029P-E1CR12L](#)

[SSG-6029P-E1CR12T](#)

[SSG-6029P-E1CR16T](#)

[SSG-6039P-E1CR16H](#)

[SSG-6039P-E1CR16L](#)

[SSG-6049P-E1CR24H](#)

[SSG-6049P-E1CR24L](#)

[SSG-6049P-E1CR36H](#)

[SSG-6049P-E1CR36L](#)

## Specifications

**Product SKUs****MBD-X11DPH-T****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

**Note**

BIOS version 3.0a or above is required to support 2nd Generation Intel Xeon Scalable Processors-SP

BIOS version 3.0a or above is required to support 2nd Generation Intel Xeon Scalable Processors-SP

BIOS version 3.2 or above is required to support 2nd Gen Intel® Xeon® Scalable processors (codenamed Cascade Lake-R)

**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

Up to 2TB Intel® Optane™ DC Persistent Memory in memory mode (Cascade Lake only)

**Memory Type**

2933/2666/2400/2133 MT/s 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® C622

**SATA**

Intel® C622 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10

**IPMI**

ASPEED AST2500

**Network Controllers**

Dual LAN with 10GBase-T with Intel® X722 + X557

**Input / Output****SATA**

10 SATA3 (6Gbps) port(s)

**LAN**

2 RJ45 10GBase-T 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 **DOM** (Disk on Module) power connector support**TPM**

1 TPM Header

**Expansion Slots****PCIe**

3 PCIe 3.0 x16,

4 PCIe 3.0 x8

**M.2**

M.2 Interface: 2 PCIe 3.0 x4, RAID 0,1

Form Factor: 2242/2260/2280/22110

Key: M-Key

**System BIOS****BIOS Type**

AMI UEFI

**Management****Software**SuperDoctor® 5, **SUM**, KVM with dedicated LAN, **SPM**, Intel® Node Manager, **SSM**, **IPMI2.0**, Watchdog**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

8x fans with tachometer monitoring

**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)

## Parts List

### Standard Parts (Bulk Package)

#### I/O Cables

|             |                                    |
|-------------|------------------------------------|
| Part Number | CBL-0044L • <a href="#">eStore</a> |
| Qty         | 2                                  |
| Description | 57.5 cm SATA FLAT S-S PBF          |

#### I/O Shield

|             |   |
|-------------|---|
| Part Number | MCP-260-00042-0N • <a href="#">eStore</a> |
| Qty         | 1   |
| Description | STD I/O SHIELD                            |

### Standard Parts (Retail Package)

#### I/O Cables

|             |                                    |
|-------------|------------------------------------|
| Part Number | CBL-0044L • <a href="#">eStore</a> |
| Qty         | 2                                  |
| Description | 57.5 cm SATA FLAT S-S PBF          |

#### I/O Shield

|             |   |
|-------------|---|
| Part Number | MCP-260-00042-0N • <a href="#">eStore</a> |
| Qty         | 1   |
| Description | STD I/O SHIELD                            |

## Optional Parts

### TPM security module (optional, not included)

| Part Number | AOM-TPM-9671V   | AOM-TPM-9670V   | AOM-TPM-9670H   | AOM-TPM-9671H   |
|-------------|---|---|---|---|
| Qty         | 1   | 1   | 1   | 1   |
| Description | 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 | 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 |