

X12DPT-PT6 (For SuperServer Only)



Key Features

3rd Gen Intel® Xeon® Scalable processors

Dual Socket LGA-4189 (Socket P+) supported, CPU TDP supports Up to 185W TDP, 2 UPI up to 11.2 GT/s

Intel® C621A

Up to 4TB RDIMM, DDR4-3200MHz; Up to 4TB LRDIMM, DDR4-3200MHz

Up to 4TB Intel® Optane™ Persistent Memory, DDR4-3200MHz (OC), in 16 DIMM slots

1 PCIe 4.0 x16 Left Riser Slot,

1 PCIe 4.0 x16 Right Riser Slot,

1 PCIe 4.0 x8 Right Riser Slot

1 PCIe 4.0 x8 Proprietary Storage adapter Slot

Intel® C621A controller for 6 SATA3 (6 Gbps) ports; RAID 0,1,5,10

Dual LAN with 10Gbase-T

1 VGA port

Optimized Servers

[SYS-220TP-HTTR](#)

[SYS-620TP-HTTR](#)

[SYS-120TP-DTTR](#)

[SYS-220TP-HC8TR](#)

[SYS-220TP-HC9TR](#)

[SYS-620TP-HC8TR](#)

[SYS-620TP-HC9TR](#)

[SYS-120TP-DC8TR](#)

[SYS-120TP-DC9TR](#)

Specifications

Product SKUs**MBD-X12DPT-PT6****Physical Stats****Form Factor**

Proprietary

Dimension

6.8" x 18.86" (17.27cm x 47.9cm)

Processor**CPU**

3rd Gen Intel® Xeon® Scalable processors

Dual Socket LGA-4189 (Socket P+) supported, CPU TDP supports Up to 185W TDP, Dual UPI up to 11.2 GT/s

System Memory**Memory Capacity**

16 DIMM slots

Up to 4TB Intel® Optane™ Persistent Memory 200 Series, DDR4-3200MHz

Up to 4TB ECC LRDIMM, DDR4-3200MHz; Up to 4TB ECC RDIMM, DDR4-3200MHz

Memory Type

ECC DDR4 LRDIMM, RDIMM

DIMM Sizes

32GB, 64GB, 128GB, 256GB

LRDIMM: 32GB, 64GB, 128GB, 256GB

RDIMM: 32GB, 64GB, 128GB, 256GB

Memory Voltage

1.2V

Error Detection

Corrects single-bit errors

Detects double-bit errors (using ECC memory)

On-Board Devices**Chipset**

Intel® C621A

SATA

Intel® C621A controller for 6 SATA3 (6 Gbps) ports; RAID 0,1,5,10

IPMI

ASPEED AST2600 BMC

Graphics

1 ASPEED AST2600 BMC port(s)

Network Controllers

Dual LAN with 10Gbase-T

Input / Output**SATA**

6 SATA3 (6Gbps) port(s)

LAN

2 RJ45 10 Gigabit Ethernet LAN ports

USB

2 USB 3.2 Gen1 port(s) (2 rear)

Video Output

1 VGA port(s)

Serial Port

1 COM Port(s) (1 header)

DOM

2 SuperDOM (Disk on Module) port with build power

TPM

1 TPM Header

Expansion Slots**PCIe**

1 PCIe 4.0 x16 Left Riser Slot,

1 PCIe 4.0 x16 Right Riser Slot,

1 PCIe 4.0 x8 Right Riser Slot,

1 PCIe 4.0 x8 Proprietary Storage adapter Slot

System BIOS**BIOS Type**

AMI UEFI

Management**Software**[Redfish API](#), [Supermicro Server Manager \(SSM\)](#),[Supermicro Power Manager \(SPM\)](#), [Supermicro Update](#)[Manager \(SUM\)](#), [SuperDoctor® 5](#), [Super Diagnostics Offline](#)[, KVM with dedicated LAN](#), [IPMI 2.0](#)**Power Configurations**

ACPI Power Management

Security**Hardware**

Trusted Platform Module (TPM) 2.0

PC Health Monitoring**Voltage**

VBAT, PCH temperature, Memory temperature, CPU temperature, +5V standby, +5V, +3.3V, +12V, +1.8V, VRM temperature, Memory Voltages, CPU thermal trip support, 5+1 Phase-switching voltage regulator

LED

UID/Remote UID

BMC/IPMI Heartbeat LED

Other Features

WOL, UID, RoHS, Node Manager Support, RoT, NCSI header

FAN

2x 4-pin fan headers (up to 2 fans)

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

Optional Parts

TPM security module (optional, not included)

Part Number	AOM-TPM-9671H	AOM-TPM-9670H
Qty	1	1
Description	SPI Capable Horizontal TPM 1.2 Module	SPI capable TPM 2.0 with Infineon 9670 controller with horizontal form factor
