

X11DPT-PS (For SuperServer Only)



Skylake
SIOM LAN Support
16 DIMMs

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 165W TDP, 2 UPI up to 10.4 GT/s
Intel® C621
Up to 4TB 3DS ECC RDIMM, DDR4-2933MHz; Up to 4TB 3DS ECC LRDIMM, DDR4-2933MHz
Or 2TB DCPMM, DDR4-2666MHz, in 16 DIMM slotsUp to 2TB Intel® Optane™ DC Persistent Memory in memory mode
(Cascade Lake only)
1 PCIe 3.0 x16 Right Riser Slot,
1 PCIe 3.0 x24 riser,
1 PCIe 3.0 x16 connector for SMC add-on cards,
1 PCIe 3.0 x8 connector for SMC add-on cards
PCIe 3.0 x16 SIOM LAN Networking slot
Intel® C621 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10
1 VGA port
Single LAN with
Networking options provided via SIOM module

Optimized Servers

[SYS-1029TP-DC0R](#)

[SYS-1029TP-DC1R](#)

[SYS-1029TP-DTR](#)

[SYS-2029TP-HC0R](#)

[SYS-2029TP-HC1R](#)

[SYS-2029TP-HTR](#)

[SYS-6029TP-HC0R](#)

[SYS-6029TP-HC1R](#)

[SYS-6029TP-HTR](#)

Specifications

Product SKUs

MBD-X11DPT-PS

Physical Stats

Form Factor

Proprietary Twin

Dimension

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

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 165W TDP, Dual UPI up to 10.4 GT/s

Core

Up to 28 cores

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 4TB 3DS ECC LRDIMM, DDR4-2933MHz; Up to 4TB 3DS ECC RDIMM, DDR4-2933MHz

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® C621

SATA

Intel® C621 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10

Graphics

1 ASPEED AST2500 BMC port(s)

Network Controllers

Single LAN, Networking options provided via SIOM module

Input / Output

USB

2 USB 3.0 port(s) (2 rear)

Video Output

1 VGA port(s)

DOM

2 SuperDOM (Disk on Module) ports

TPM

1 TPM Header

Expansion Slots

PCIe

1 PCIe 3.0 x16 Right Riser Slot,

1 PCIe 3.0 x24 riser,

1 PCIe 3.0 x16 connector for SMC add-on cards,

1 PCIe 3.0 x8 connector for SMC add-on cards

PCIe 3.0 x16 SIOM LAN Networking slot

System BIOS

BIOS Type

AMI UEFI

Management

Software

SuperDoctor® 5, [SUM](#), KVM with dedicated LAN, [SPM](#), Intel® Node

Manager, [SSM](#), [IPMI2.0](#), Watchdog

Power Configurations

ACPI Power Management

PC Health Monitoring

Voltage

Supports system management utility, Monitors CPU voltages, Chipset Voltage, 1.05 (PCH), +5V standby, +5V, +3.3V, +12V, +1.8V, Memory Voltages

LED

UID/Remote UID

BMC/IPMI Heartbeat LED

Temperature

Monitoring for CPU and chassis environment

CPU thermal trip support

FAN

1x 4-pin fan header (up to 1 fan)

PWM fan speed control

Other Features

WOL, UID, RoHS, Node Manager Support, CPU thermal trip support for processor protection, Chassis intrusion detection, SDDC

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-9671V

AOM-TPM-9670V

Qty	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
