

X11DPFR-S (For SuperServer Only)



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 3TB 3DS ECC RDIMM, DDR4-2933MHz; Up to 3TB 3DS ECC LRDIMM, DDR4-2933MHz
Or 2TB DCPMM, DDR4-2666MHz, in 12 DIMM slots;

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

1 PCIe 3.0 x24 Left Riser Slot,

1 PCIe 3.0 x16 Left Riser Slot,

1 PCIe 3.0 x16 connector for SMC add-on cards

1 PCIe 3.0 x16 SIOM LAN Networking Slot

M.2 Interface: PCIe 3.0 x4

M.2 Form Factor: 2260, 2280, 22110

M.2 Key: M-Key

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

1 VGA port

Single LAN with

Networking options provided via SIOM module

Optimized Servers

[SYS-F619P2-RT](#)

[SYS-F629P3-RTB](#)

Specifications

Product SKUs

MBD-X11DPFR-S

Physical Stats

Form Factor

Proprietary FatTwin

Dimension

8.53" x 19.66" (21.67cm x 49.94cm)

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

12 DIMM slots

Up to 2TB Intel® Optane™ Persistent Memory 200 Series, DDR4-2666MHz

Up to 3TB 3DS ECC LRDIMM, DDR4-2933MHz; Up to 3TB 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® C621

SATA

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

IPMI

ASPEED AST2500

Graphics

1 ASPEED AST2500 BMC port(s)

Network Controllers

Single LAN, Networking options provided via SIOM module

Input / Output

SATA

10 SATA3 (6Gbps) port(s)

LAN

1 RJ45 Dedicated IPMI LAN port

USB

2 USB 3.0 port(s) (2 rear)

Video Output

1 VGA port(s)

DOM

2 SuperDOM (Disk on Module) power connector

Expansion Slots

PCIe

1 PCIe 3.0 x24 Left Riser Slot,

1 PCIe 3.0 x16 Left Riser Slot,

1 PCIe 3.0 x16 connector for SMC add-on cards

1 PCIe 3.0 x16 SIOM LAN Networking Slot

M.2

M.2 Interface: PCIe 3.0 x4

Form Factor: 22110, 2280, 2260

Key: M-Key

System BIOS

BIOS Type

AMI UEFI

Management

Software

SuperDoctor® 5, SUM, KVM with dedicated LAN, SPM, Intel® Node

Manager, SSM, Watchdog, IPMI (Intelligent Platform Management Interface) v2.0 with KVM support

Power Configurations

ACPI Power Management

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

BMC/IPMI Heartbeat LED

Temperature

Thermal Control for 3 Fan Connectors

Monitoring for CPU and chassis environment

CPU thermal trip support

FAN

3x 4-pin fan headers (up to 3 fans)

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)

TPM

1 TPM Header

Parts List

Optional Parts

TPM security module (optional, not included)

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