

# X11DPG-OT-CPU (For SuperServer Only)

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**GPU Serverboard**

## 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 6TB 3DS ECC RDIMM, DDR4-2933MHz; Up to 6TB 3DS ECC LRDIMM, DDR4-2933MHz, in 24 DIMM slotsUp to 6TB

Intel® Optane™ DC Persistent Memory in memory mode (Cascade Lake only)

4 PCIe 3.0 x24 slots to PCIe board

**M.2 Interface:** 1 PCIe 3.0 x4

**M.2 Form Factor:** 2280, 22110

**M.2 Key:** M-Key,

2 PCIe 3.0 NVMe x4 Internal Port(s)

Dual LAN with 10Gbase-T

from C622

Intel® C622 controller for 8 SATA3 (6 Gbps) ports; RAID 0,1,5,10

1 VGA port

## Optimized Servers

[SYS-4029GP-TRT](#)

[SYS-4029GP-TRT2](#)

[SYS-4029GP-TRT3](#)

[SYS-6049GP-TRT](#)

## Specifications

**Product SKUs****MBD-X11DPG-OT-CPU****Physical Stats****Form Factor**

Proprietary

**Dimension**

17" x 19.5" (43.18cm x 49.53cm)

**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**

\*2933 MHz in two DIMMs per channel can be achieved by using memory purchased from Supermicro

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

**System Memory****Memory Capacity**

24 DIMM slots

Up to 6TB 3DS ECC LRDIMM, DDR4-2933MHz; Up to 6TB 3DS ECC RDIMM, DDR4-2933MHz

Up to 6TB 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: 128GB

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 8 SATA3 (6 Gbps) ports; RAID 0,1,5,10

**IPMI**

ASPEED AST2500

**Graphics**

1 ASPEED AST2500 BMC port(s)

**Network Controllers**

Dual LAN with 10Gbase-T, from C622

**Input / Output****USB**

4 USB 3.2 Gen1 port(s) (4 rear)

1 USB 2.0 port(s) (1 Type A)

**Video Output**

1 VGA port(s)

**Serial Port**

1 COM Port(s) (1 rear)

**DOM**

1 SuperDOM (Disk on Module) ports

**TPM**

1 TPM Header

**Expansion Slots****PCIe**

4 PCIe 3.0 x24 slots to PCIe board

**M.2**

M.2 Interface: 1 PCIe 3.0 x4

Form Factor: 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, 3.3V standby, +5V standby, +5V, +3.3V, +12V, +1.8V

**LED**

UID/Remote UID

CPU / System Overheat LED

**Temperature**

Monitoring for CPU and chassis environment

CPU thermal trip support

**FAN**

10x 4-pin fan headers (up to 10 fans)

PWM fan speed control

Overheat LED indication

**Other Features**

UID

Chassis intrusion header

ACPI power management

SDDC

## Parts List