

X11DPU-XLL (For SuperServer Only)



Hyper-Speed Technology

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, 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, in 16 DIMM slots
- 1 PCIe 3.0 x32 Left Riser Slot,
- 1 PCIe 3.0 x8 Center Right Riser Slot,
- 1 PCIe 3.0 x40 Far Right Riser Slot,
- 4 PCIe 3.0 NVMe x4 Internal Port(s)
- Intel® C621 controller for 14 SATA3 (6 Gbps) ports; RAID 0,1,5,10
- 1 VGA port
- Networking options provided via Ultra Riser

Optimized Servers

[SYS-1029UX-LL1-C16](#)

[SYS-1029UX-LL1-S16](#)

[SYS-1029UX-LL2-C16](#)

[SYS-1029UX-LL2-S16](#)

[SYS-1029UX-LL3-C16](#)

[SYS-1029UX-LL3-S16](#)

[SYS-1029UX-LL4-C16](#)

Specifications

Product SKUs**MBD-X11DPU-XLL**

Physical Stats**Form Factor**

Proprietary Ultra

Dimension17" x 16.8" (43.18cm x 42.67cm)

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, 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

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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**

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: 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® C621

SATA

Intel® C621 controller for 14 SATA3 (6 Gbps) ports; RAID 0,1,5,10

IPMI

ASPEED AST2500

Graphics

1 ASPEED AST2500 BMC port(s)

Network ControllersNetworking options provided via Ultra Riser

Input / Output**SATA**

14 SATA3 (6Gbps) port(s)

USB

1 USB 3.2 Gen1 port(s) (1 type A)

2 USB 3.0 port(s) (2 rear)

Video Output

1 VGA port(s)

Serial Port

1 COM Port(s) (1 rear)

DOM

2 SuperDOM (Disk on Module) ports

Expansion Slots**PCIe**

1 PCIe 3.0 x32 Left Riser Slot,

1 PCIe 3.0 x8 Center Right Riser Slot,

1 PCIe 3.0 x40 Far Right Riser 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**Power-on mode for AC power recovery, ACPI Power Management

PC Health Monitoring**Voltage**

Monitors CPU voltages, +5V standby, +5V, +3.3V, +12V

LED

UID/Remote UID

Power LED

BMC/IPMI Heartbeat LED

CPU / System Overheat LED

Temperature

Monitoring for CPU and chassis environment

CPU thermal trip support

Support to monitor Supermicro AOC temperatures from IPMI or SD 5

Thermal Control for 8 Fan Connectors

FAN

8x 4-pin fan headers (up to 8 fans)

PWM fan speed control

Other FeaturesUID, RoHS, Node Manager Support, CPU thermal trip support for processor protection, Control of power-on for recovery from AC power loss, Chassis intrusion header, Chassis intrusion detection, ATX Power connector, ACPI power management, SDDC, Hyper-Speed Technology hardware acceleration

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 Range5% - 95% (non-condensing)

TPM

1 TPM Header

Others

1 ports SuperDOM

Parts List