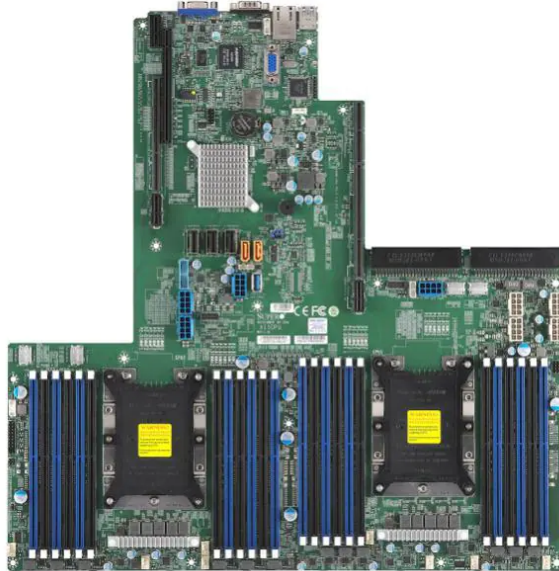


X11DPU (For SuperServer Only)



Ultra Series
24 DIMMs
NVMe

Key Features

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, 2 UPI up to 10.4 GT/s

Intel® C621

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

Up to 6TB Intel® Optane™ DC Persistent Memory in memory mode (Cascade Lake only).

1 PCIe 3.0 x32 Left Riser Slot

1 PCIe 3.0 x8 Right Riser Slot

1 PCIe 3.0 x40 Ultra 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

2 VGA D-Sub Connector ports

Optimized Servers

[SYS-1029U-E1CR25M](#)

[SYS-1029U-E1CR4](#)

[SYS-1029U-E1CR4T](#)

[SYS-1029U-E1CRT](#)

[SYS-1029U-E1CRTP](#)

[SYS-1029U-E1CRTP2](#)

[SYS-1029U-TN10RT](#)

[SYS-1029U-TR25M](#)

[SYS-1029U-TR4](#)

[SYS-1029U-TR4T](#)

[SYS-1029U-TRT](#)

[SYS-1029U-TRTP](#)

[SYS-1029U-TRTP2](#)

[SYS-2029U-E1CR25M](#)

[SYS-2029U-E1CR4](#)

[SYS-2029U-E1CR4T](#)

[SYS-2029U-E1CRT](#)

[SYS-2029U-E1CRTP](#)

[SYS-2029U-TN24R4T](#)

[SYS-2029U-TR25M](#)

[SYS-2029U-TR4](#)

[SYS-2029U-TR4T](#)

[SYS-2029U-TRT](#)

[SYS-2029U-TRTP](#)

[SYS-6019U-TN4R4T](#)

[SYS-6019U-TN4RT](#)

[SYS-6019U-TR25M](#)

[SYS-6019U-TR4](#)

[SYS-6019U-TR4T](#)

[SYS-6019U-TRT](#)

[SYS-6019U-TRTP](#)

[SYS-6019U-TRTP2](#)

[SYS-6029U-E1CR25M](#)

[SYS-6029U-E1CR4](#)

[SYS-6029U-E1CR4T](#)

[SYS-6029U-E1CRT](#)

[SYS-6029U-E1CRTP](#)

[SYS-6029U-TR25M](#)

[SYS-6029U-TR4](#)

[SYS-6029U-TR4T](#)

[SYS-6029U-TRT](#)

[SYS-6029U-TRTP](#)

Specifications

Product SKUs**MBD-X11DPU****Physical Stats****Form Factor**

Proprietary Ultra

Dimension

17" 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 / 38.5MB Cache

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, 128GB

Memory Voltage

1.2V

Error Detection

Corrects single-bit errors

On-Board Devices**Chipset**

Intel® C621

SATA

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

IPMI

ASPEED AST2500

IPMI 2.0 with virtual media over LAN and KVM-over-LAN support

Support for Intelligent Platform Management Interface v.2.0

Graphics

1 ASPEED AST2500 BMC port(s)

Network Controllers

Networking options provided via Ultra Riser

Input / Output**SATA**

14 SATA3 (6Gbps) port(s)

USB

3 USB 3.2 Gen1 port(s) (2 via header; 1 type A)

2 USB 3.0 port(s) (2 rear)

Video Output

2 VGA D-Sub Connector port(s)

Serial Port

1 COM Port(s) (1 rear)

DOM

2 SuperDOM (Disk on Module) port with build power

TPM

1 TPM Header

Expansion Slots**PCIe**

1 PCIe 3.0 x32 Right Riser Slot,

1 PCIe 3.0 x8 Right Riser Slot,

1 PCIe 3.0 x40 Ultra Riser Slot

System BIOS**BIOS Type**

32MB AMI SPI Flash ROM

Management**Software**SuperDoctor® 5, NMI, SUM, KVM with dedicated LAN, SPM, Intel®Node Manager, SSM, IPMI2.0**System Management Software**

SuperDoctor 5, IPMI (Intelligent Platform Management Interface) v1.5

/ 2.0 with KVM support, IPMICFG, IPMIView for Linux/Windows,

SMCIPMITool, SSM, SUM, SPM

Power Configurations

ACPI Power Management

PC Health Monitoring**Voltage**

VBAT, Supports system management utility, HT, Chassis intrusion header, +5V standby, +5V, +3.3V, +12V, +1.8V, 8 -fan status, 5+1 Phase-switching voltage regulator

Temperature

Thermal Control for 8 Fan Connectors

FAN

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

Status monitoring for speed control

Pulse Width Modulated (PWM) fan connectors

8x fans with tachometer monitoring

Other Features

RoHS, Node Manager Support, CPU thermal trip support for

processor protection, Chassis intrusion detection, SDDC, 4x 8-pin

GPU power connectors

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