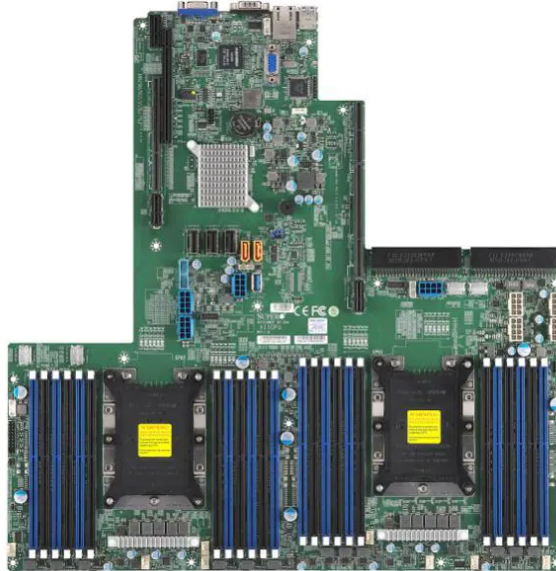


X11DPU-V (For SuperServer Only)



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 support Up to 205W TDP, 2 UPI up to 10.4 GT/s

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

Networking options provided via Ultra Riser

2 VGA D-Sub Connector ports

Optimized Servers

[SYS-1029U-TN12RV](#)

[SYS-2029U-MTNRV](#)

[SYS-2029U-MTNRV-NEBS](#)

[SYS-2029U-MTNRV-NEBS-DC](#)

Specifications

Product SKUs

MBD-X11DPU-V

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

Note

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: 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

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)

TPM

1 TPM Header & Chip both

Parts List