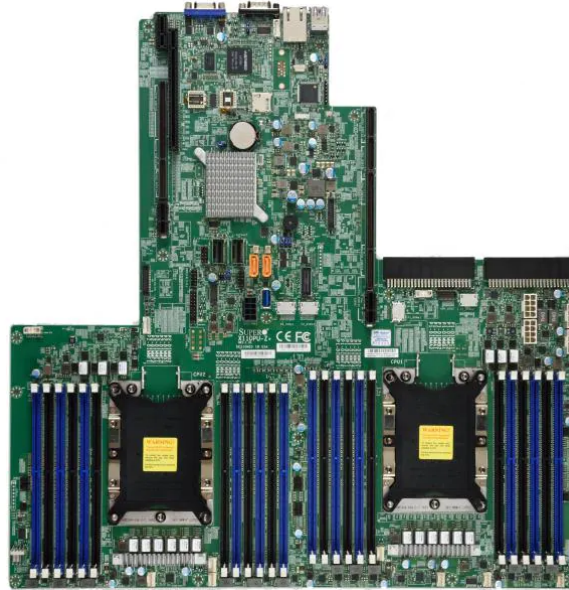# X11DPU-Z+ (For SuperServer Only)

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 205W TDP, 3 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 Far Right Riser Slot,

4 PCIe 3.0 NVMe x4 Internal Port(s)

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

1 VGA port

Networking options provided via Ultra Riser

Optimized Servers

SYS-1029UZ-TN20R25M

SYS-2029UZ-TN20R25M

SYS-2029UZ-TR4+

SYS-6029UZ-TR4+

Specifications

Product SKUs
MBD-X11DPU-Z+

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, 3 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: 64GB, 128GB
RDIMM: 64GB, 128GB
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® C621A controller for SATA3 (6 Gbps) ports; RAID 0,1,5,10
Intel® C621 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10
IPMI
ASPEED AST2500
Graphics
1 ASPEED AST2500 BMC port(s)
Network Controllers
Networking options provided via Ultra Riser

Input / Output
USB
1 USB 3.2 Gen1 port(s) (1 via header)
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
TPM
1 TPM Header

Expansion Slots
PCIe
1 PCIe 3.0 x32 Left Riser Slot,
1 PCIe 3.0 x8 Right Riser Slot,
1 PCIe 3.0 x40 Far Right Riser Slot

System BIOS
BIOS Type
AMI UEFI

Management
Software
SuperDoctor® 5, NMI, SUM, KVM with dedicated LAN, SPM, Intel® Node Manager, IPMI2.0, Watchdog
Power Configurations
Power-on mode for AC power recovery, ACPI Power Management

PC Health Monitoring
Voltage
3.3V standby, +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
FAN
8x 4-pin fan headers (up to 8 fans)
PWM fan speed control
Status monitoring for speed control
8x fans with tachometer monitoring
Other Features
RoHS
Chassis intrusion header
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)

Others

1 ports SuperDOM

Parts List