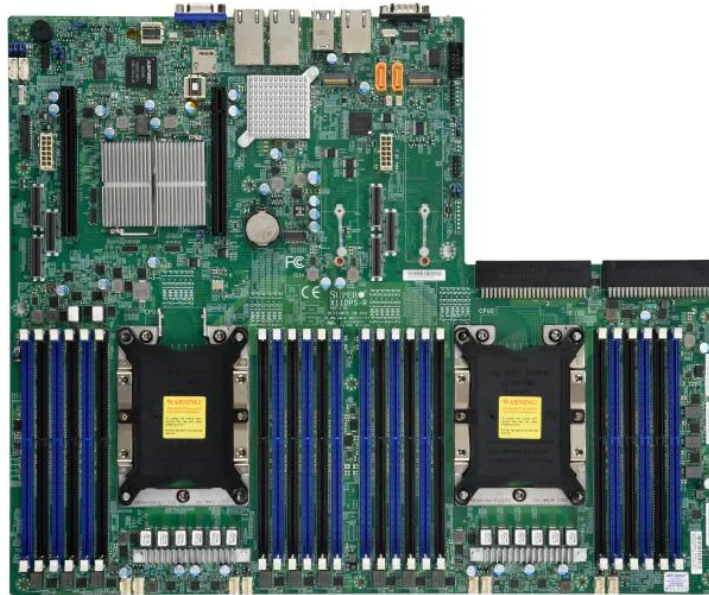


X11DPS-RE (For SuperServer Only)



**NVMe
3 UPI**

Intel Quick Assist Technology

Key Features

1. 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
2. Intel® C627
3. 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)
4. 2 PCI-E 3.0 x16 (Low Profile),
4 PCI-E 3.0 x16
M.2 Interface: 2 PCI-E 3.0 x2
M.2 Form Factor: 2260/2280/22110
M.2 Key: M-Key
*2 SATA Hybrid ports, RAID 0 & 1
5. Dual LAN with 10GBase-T with Intel® X550
6. 1 VGA D-Sub Connector port

Specifications

Expansion Slots

PCI-E	<ul style="list-style-type: none"> 2 PCI-E 3.0 x16 (Low Profile), 4 PCI-E 3.0 x16
M.2	<ul style="list-style-type: none"> M.2 Interface: 2 PCI-E 3.0 x2 Form Factor: 2260/2280/22110 Key: M-Key *2 SATA Hybrid ports, RAID 0 & 1

System BIOS

BIOS Type	<ul style="list-style-type: none"> AMI UEFI
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Management

Software	<ul style="list-style-type: none"> SuperDoctor® 5, NMI, <u>SUM</u>, KVM with dedicated LAN, <u>SPM</u>, Intel® Node Manager, <u>SSM</u>, <u>IPMI2.0</u>, Watchdog, IPMI (Intelligent Platform Management Interface) v2.0 with KVM support
System Management Software	<ul style="list-style-type: none"> IPMI (Intelligent Platform Management Interface) v1.5 / 2.0 with KVM support
Power Configurations	<ul style="list-style-type: none"> ACPI Power Management

PC Health Monitoring

Voltage	<ul style="list-style-type: none"> VBAT, Monitors CPU voltages, Chipset Voltage, +5V standby, +5V, +3.3V, +12V, +1.8V, Memory Voltages
LED	<ul style="list-style-type: none"> UID/Remote UID CPU / System Overheat LED
Temperature	<ul style="list-style-type: none"> Monitoring for CPU and chassis environment
FAN	<ul style="list-style-type: none"> 8x 4-pin fan headers (up to 8 fans) System level control PWM fan speed control Status monitoring for speed control 8x fans with tachometer monitoring
Other Features	<ul style="list-style-type: none"> WOL, UID, System level control, 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, RoHS, Halogen Free, Intel® QuickAssist Technology, Innovation Engine

Operating Environment

Operating Temperature Range	<ul style="list-style-type: none"> 10°C - 35°C (50°F - 95°F)
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Product SKUs		Non-Operating Temperature Range	▪ -30°C - 60°C (-22°F - 140°F)
MBD-X11DPS-RE	▪ X11DPS-RE	Operating Relative Humidity Range	▪ 8% - 90% (non-condensing)
Physical Stats		Non Operating Relative Humidity Range	▪ 5% - 95% (non-condensing)
Form Factor	▪ Proprietary		
Dimension	▪ 13.5" x 16.73" (34.29cm x 42.49cm)		
Processor			
CPU	<ul style="list-style-type: none"> ▪ 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		
System Memory			
Memory Capacity	<ul style="list-style-type: none"> ▪ 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	▪ 2666/2400/2133MHz ECC DDR4 LRDIMM (3DS), RDIMM (3DS)		
DIMM Sizes	<ul style="list-style-type: none"> ▪ LRDIMM: 64GB, 128GB ▪ RDIMM: 32GB, 64GB, 128GB 		
Memory Voltage	▪ 1.2V		
Error Detection	<ul style="list-style-type: none"> ▪ Corrects single-bit errors ▪ Detects double-bit errors (using ECC memory) 		
On-Board Devices			
Chipset	▪ Intel® C627		
IPMI	▪ ASPEED AST2500		
Graphics	▪ ASPEED AST2500 BMC		
Network Controllers	▪ Dual LAN with 10GBase-T with Intel® X550		
Input / Output			
LAN	▪ 2 RJ45 10GBase-T ports		
USB	▪ 2 USB 3.0 port(s) (2 rear)		
Video Output	▪ 1 VGA D-Sub Connector port(s)		
Serial Port	▪ 2 COM Port(s) (1 header; 1 rear)		
DOM	▪ 2 SuperDOM (Disk on Module) port with build power		
TPM	▪ 1 TPM Header		

Parts List

Parts List (Bulk Package)			
Name	Part Number	Qty	Description
Motherboard	MBD-X11DPS-RE	1	X11DPS-RE Motherboard

Optional Parts List			
Name	Part Number	Qty	Description
TPM security module (optional, not included)	<u>AOM-TPM-9670V</u>	1	SPI capable TPM 2.0 with Infineon 9670 controller with vertical form factor

Server (Optimized for X11DPS-RE)

Server Name
<u>SSG-1029P-NEL32R</u>
<u>SYS-1029P-N32R</u>

