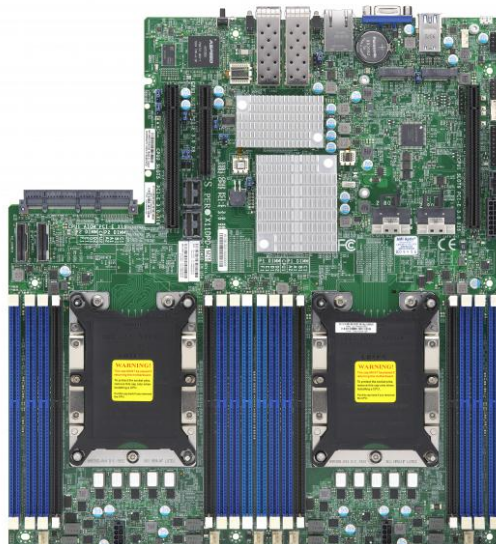


X11DPD-M25 (For SuperServer Only)



Datacenter Optimized

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, 2 UPI up to 10.4 GT/s
2. Intel® C621
3. Up to 3TB 3DS ECC RDIMM, DDR4-2933MHz; Up to 3TB 3DS ECC LRDIMM, DDR4-2933MHz, in 16 DIMM slots;
Up to 2TB Intel® Optane™ DC Persistent Memory in memory mode (Cascade Lake only)
4. 1 PCI-E 3.0 x16 (Low Profile),
1 PCI-E 3.0 x8 Right Riser Slot,
2 PCI-E 3.0 x8 Proprietary Slot,
1 PCI-E 3.0 x16 Left Riser Slot,
1 PCI-E 3.0 x16 for Add-On-Module (AOM)
M.2 Interface: 1 PCI-E 3.0 x4 and 1 PCI-E 3.0 x1
M.2 Form Factor: 2280
M.2 Key: M-Key
U.2 Interface: 2 PCI-E 3.0 x4,
2 PCI-E 3.0 NVMe x4 Internal Port(s)
5. Intel® C621 controller for 12 SATA3 (6 Gbps) ports; RAID 0,1,5,10
6. Dual LAN with SoC
Mellanox CONNECTX-4 LX EN 25GbE
7. 1 VGA port

Specifications

Expansion Slots

PCI-E	<ul style="list-style-type: none"> 1 PCI-E 3.0 x16 (Low Profile), 1 PCI-E 3.0 x8 Right Riser Slot, 2 PCI-E 3.0 x8 Proprietary Slot, 1 PCI-E 3.0 x16 Left Riser Slot, 1 PCI-E 3.0 x16 for Add-On-Module (AOM)
M.2	<ul style="list-style-type: none"> M.2 Interface: 1 PCI-E 3.0 x4; 1 PCI-E 3.0 x1 Form Factor: 2280 Key: M-Key

System BIOS

BIOS Type	<ul style="list-style-type: none"> 256MB UEFI
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Management

Software	<ul style="list-style-type: none"> SuperDoctor® 5, SUM, KVM with dedicated LAN, SPM, Intel® Node Manager, SSM, IPMI2.0, Watchdog
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PC Health Monitoring

Voltage	<ul style="list-style-type: none"> Monitors CPU voltages, +5V standby, +5V, +3.3V, +12V, +1.8V, Memory Voltages
LED	<ul style="list-style-type: none"> UID/Remote UID Power LED BMC/IPMI Heartbeat LED CPU / System Overheat LED
Temperature	<ul style="list-style-type: none"> Monitoring for CPU and chassis environment CPU thermal trip support
FAN	<ul style="list-style-type: none"> 6x 4-pin fan headers (up to 6 fans) PWM fan speed control 6 fans with tachometer status monitoring Status monitoring for speed control
Other Features	<ul style="list-style-type: none"> UID, RoHS, Node Manager Support, CPU thermal trip support for processor protection, Control of power-on for recovery from AC power loss, Chassis intrusion detection

Operating Environment

Operating Temperature Range	<ul style="list-style-type: none"> 10°C - 35°C (50°F - 95°F)
Non-Operating Temperature Range	<ul style="list-style-type: none"> -40°C - 70°C (-40°F - 158°F)

Product SKUs

MBD-X11DPD-M25	<ul style="list-style-type: none"> ▪ X11DPD-M25
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Physical Stats

Form Factor	<ul style="list-style-type: none"> ▪ Proprietary
Dimension	<ul style="list-style-type: none"> ▪ 12" x 13" (30.48cm x 33.02cm)

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, Dual UPI up to 10.4 GT/s
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System Memory

Memory Capacity	<ul style="list-style-type: none"> ▪ 16 DIMM slots ▪ Up to 3TB 3DS ECC LRDIMM, DDR4-2933MHz; Up to 3TB 3DS ECC RDIMM, DDR4-2933MHz ▪ Up to 2TB Intel® Optane™ DC Persistent Memory in memory mode (Cascade Lake only)
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Memory Type	<ul style="list-style-type: none"> ▪ 2933/2666/2400/2133MHz ECC DDR4 LRDIMM (3DS), RDIMM (3DS)
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DIMM Sizes	<ul style="list-style-type: none"> ▪ LRDIMM: 64GB, 128GB ▪ RDIMM: 64GB, 128GB
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Memory Voltage	<ul style="list-style-type: none"> ▪ 1.2V
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Error Detection	<ul style="list-style-type: none"> ▪ Corrects single-bit errors ▪ Detects double-bit errors (using ECC memory)
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On-Board Devices

Chipset	<ul style="list-style-type: none"> ▪ Intel® C621
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SATA	<ul style="list-style-type: none"> ▪ Intel® C621 controller for 12 SATA3 (6 Gbps) ports; RAID 0,1,5,10
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IPMI	<ul style="list-style-type: none"> ▪ ASPEED AST2500
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Graphics	<ul style="list-style-type: none"> ▪ ASPEED AST2500 BMC
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Network Controllers	<ul style="list-style-type: none"> ▪ Dual LAN with SoC, Mellanox CONNECTX-4 LX EN 25GbE
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Input / Output

USB	<ul style="list-style-type: none"> ▪ 2 USB 2.0 port(s) (2 via header) ▪ 2 USB 3.0 port(s) (2 rear)
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Video Output	<ul style="list-style-type: none"> ▪ 1 VGA port(s)
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Serial Port	<ul style="list-style-type: none"> ▪ MicroUSB
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TPM	<ul style="list-style-type: none"> ▪ 1 TPM Header
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Operating Relative Humidity Range	<ul style="list-style-type: none"> ▪ 8% - 90% (non-condensing)
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Non Operating Relative Humidity Range	<ul style="list-style-type: none"> ▪ 5% - 95% (non-condensing)
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Parts List

Parts List (Bulk Package)			
Name	Part Number	Qty	Description
Motherboard	MBD-X11DPD-M25	1	X11DPD-M25 Motherboard

Chassis (Optimized for X11DPD-M25)

Embedded Compact	1U	2U	3U	Mid/Mini-Tower	4U/Tower
	● SC802TS-R804AMP	● SCLA26TS-R751AMAP ● SCLA26TS-R1K62AMBP			

● = Most optimized Chassis for SuperServer Configuration
 Blue color = Compatible
 Green color = Global SKU & Compatible
 Red dot & green color = Optimized + Global SKU

Server (Optimized for X11DPD-M25)

Server Name
<u>SSG-1129P-ACR10N4L</u>
<u>SSG-6119P-ACR12N4L</u>
<u>SSG-6129P-ACR12N4G</u>
<u>SSG-6129P-ACR12N4L</u>

