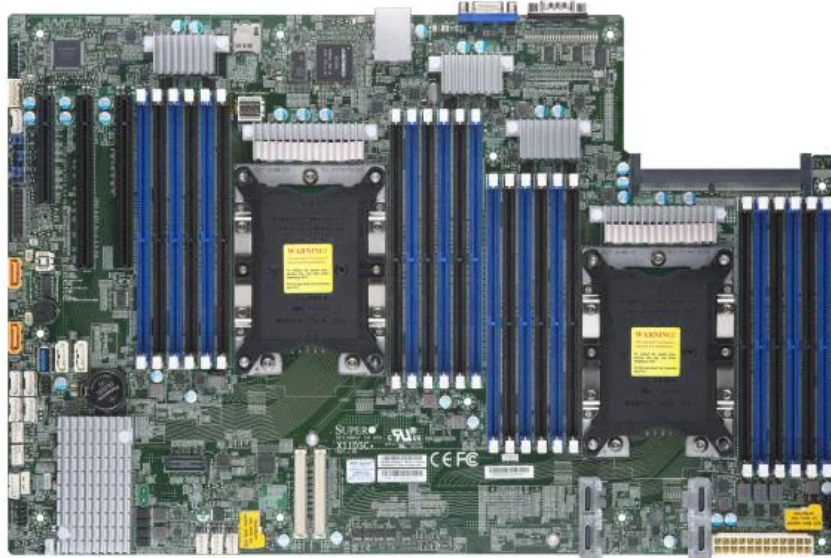


X11DSC+ (For SuperServer Only)



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

Intel® Node Manager, IPMI (Intelligent Platform Management Interface) v2.0 with KVM support, KVM with dedicated LAN, NMI, SPM, SSM, SUM, SuperDoctor® 5, Watchdog

Up to 6TB 3DS ECC RDIMM, DDR4-2933MHz; Up to 6TB 3DS ECC LRDIMM, DDR4-2933MHz

Or 2TB DCPMM, DDR4-2666MHz, in 24 DIMM slots;

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

2 PCIe 3.0 x16, 1 PCIe 3.0 x8, 1 PCIe 3.0 x8+x8 for SAS3 Add-On-Module

4 PCIe 3.0 NVMe x4 Internal Port(s)

Intel® C621 controller for 4 SATA3 (6 Gbps) ports; RAID 0,1,5,10

Networking options provide via SIOM or AOC NIC

Optimized Servers

[SSG-2029P-E1CR48H](#)

[SSG-2029P-E1CR48L](#)

[SSG-6029P-E1CR24H](#)

[SSG-6029P-E1CR24L](#)

[SSG-6049P-E1CR45H](#)

[SSG-6049P-E1CR45L](#)

[SSG-6049P-E1CR45L+](#)

[SSG-6049P-E1CR60H](#)

[SSG-6049P-E1CR60L](#)

[SSG-6049P-E1CR60L+](#)

Specifications

Product SKUs**MBD-X11DSC+****Physical Stats****Form Factor**

Proprietary

Dimension

16.9" x 11" (42.93cm x 27.94cm)

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

*2933 MHz in two DIMMs per channel can be achieved by using memory purchased from Supermicro

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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 2TB Intel® Optane™ Persistent Memory 200 Series, DDR4-2666MHz

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

Memory Voltage

1.2V

Error Detection

Corrects single-bit errors

On-Board Devices**Chipset**

Intel® C621

SATA

Intel® C621 controller for 4 SATA3 (6 Gbps) ports; RAID 0,1,5,10

IPMI

ASPEED AST2500

Graphics

1 ASPEED AST2500 BMC port(s)

Network Controllers

N/A

Input / Output**LAN**

2 Flexible LAN expansion via SIOM module

USB

1 USB 3.2 Gen1 port(s) (1 type A)

2 USB 3.0 port(s) (2 rear)

Video Output

1 VGA D-Sub Connector port(s)

Expansion Slots**PCIe**

2 PCIe 3.0 x16,

1 PCIe 3.0 x8,

1 PCIe 3.0 x16 for Add-On-Module (AOM)

System BIOS**BIOS Type**

32MB AMI SPI Flash ROM

BIOS Features

ACPI 6.0

Management**Software**SuperDoctor® 5, NMI, SUM, KVM with dedicated LAN, SPM, Intel®Node Manager, SSM, Watchdog, IPMI (Intelligent Platform Management Interface) v2.0 with KVM support**Power Configurations**

Power-on mode for AC power recovery, ACPI / ACPM Power Management

PC Health Monitoring**Voltage**

VBAT, Supports system management utility, Chipset Voltage, Chassis intrusion header, +5V standby, +5V, +3.3V, +1.8V, 5+1 Phase-switching voltage regulator, 5 (4-pin)

LED

UID/Remote UID

Suspend static indicator LED

CPU / System Overheat LED

FAN

5x 4-pin fan headers (up to 5 fans)

5 fans with tachometer status monitoring

Status monitoring for speed control

Pulse Width Modulated (PWM) fan connectors

Other Features

RoHS

Chassis intrusion header

Chassis intrusion detection

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)

Serial Port

1 COM Port(s) (1 rear)

DOM

2 SuperDOM (Disk on Module) port with build power

TPM

1 TPM Header

Parts List