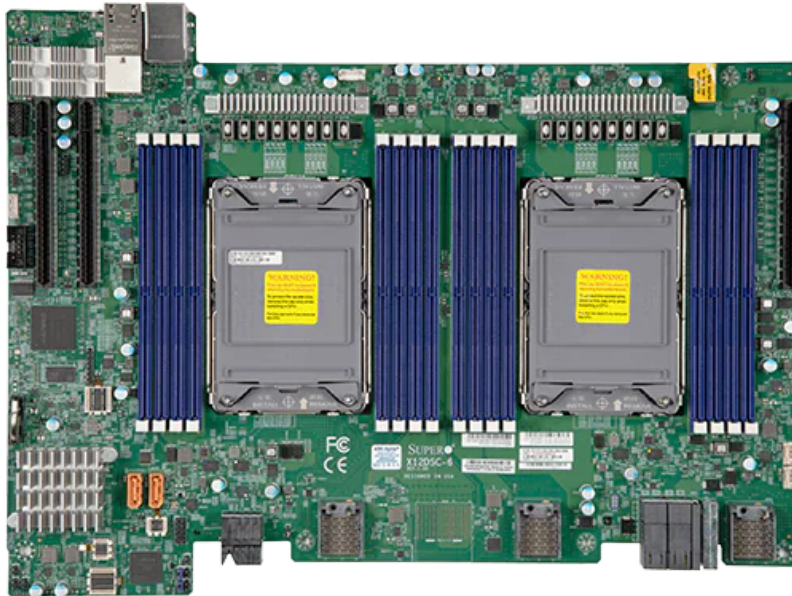


X12DSC-6 (For SuperServer Only)



Key Features

3rd Gen Intel® Xeon® Scalable processors

Dual Socket LGA-4189 (Socket P+) supported, CPU TDP supports Up to 270W TDP, 3 UPI up to 11.2 GT/s
Intel® C621A

Up to 4TB RDIMM, DDR4-3200MHz; Up to 4TB LRDIMM, DDR4-3200MHz, DDR4-3200MHz

Up to 2TB Intel® Optane™ Persistent Memory 200 Series, DDR4-3200MHz, in 16 DIMM slots

3 PCIe 4.0 x16

M.2 Form Factor: 22110

Dual LAN with 10GBase-T with Intel® X550

AIOM slot

1 VGA (Rear/Internal) port

Optimized Servers

[SSG-640SP-E1CR60](#)

[SSG-640SP-E1CR90](#)

[SSG-640SP-DE1CR60](#)

[SSG-640SP-DE1CR90](#)

[SSG-640SP-DE2CR60](#)

[SSG-640SP-DE2CR90](#)

Specifications

Product SKUs**MBD-X12DSC-6****Physical Stats****Form Factor**

Proprietary

Dimension

14.8" x 10.9" (37.59cm x 27.69cm)

Processor**CPU**

3rd Gen Intel® Xeon® Scalable processors

Dual Socket LGA-4189 (Socket P+) supported, CPU TDP supports Up to 270W TDP, 3 UPI up to 11.2 GT/s

Core

Up to 40 cores

System Memory**Memory Capacity**

16 DIMM slots

Up to 2TB Intel® Optane™ Persistent Memory 200 Series, DDR4-3200MHz

Up to 4TB ECC LRDIMM, DDR4-3200MHz; Up to 4TB ECC RDIMM, DDR4-3200MHz

Memory Type

3200/2933/2666 MT/s ECC DDR4 LRDIMM, RDIMM

DIMM Sizes

16GB, 32GB, 64GB, 128GB, 256GB

Memory Voltage

1.2V

Error Detection

Corrects single-bit errors

Detects double-bit errors (using ECC memory)

On-Board Devices**Chipset**

Intel® C621A

IPMI

ASPEED AST2600 BMC

Network Controllers

Dual LAN with 10GBase-T with Intel® X550

Input / Output**SATA**

2 SATA3 (6Gbps) port(s)

LAN

2 RJ45 10GBase-T ports

USB

2 USB 3.1 Gen1 port(s) (2 rear)

Video Output

1 VGA (Rear/Internal) port(s)

Serial Port

1 COM Port(s) (1 header)

DOM2 SATA DOM power connector (Disk on Module) port**TPM**

1 TPM Header

Expansion Slots**PCIe**

3 PCIe 4.0 x16

M.2

Form Factor: 22110

System BIOS**BIOS Type**

AMI UEFI

Management**Software**Redfish API, Supermicro Server Manager (SSM), Supermicro Power Manager (SPM), Supermicro Update Manager (SUM), SuperDoctor® 5, Super Diagnostics Offline, KVM with dedicated LAN, IPMI 2.0**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 / ACPM Power Management

Security**Hardware**

Trusted Platform Module (TPM) 2.0

PC Health Monitoring**Voltage**

System temperature, System level control, Supports system management utility, Monitors CPU voltages, Memory temperature, Memory, CPU temperature, CPU, Chipset Voltage, Chassis intrusion header, 6 -fan status, +5V standby, +5V, +3.3V, +12V, Memory Voltages, CPU thermal trip support

LED

UID/Remote UID

Power LED

BMC/IPMI Heartbeat LED

CPU / System Overheat LED

Temperature

CPU thermal trip support

FAN

6x 4-pin fan headers (up to 6 fans)

System level control

PWM fan speed control

Fan speed control

Pulse Width Modulated (PWM) fan connectors

Overheat LED indication

Other Features

WOL, CPU thermal trip support for processor protection, Chassis intrusion header, Chassis intrusion detection, ACPI power management, RoT, RoHS, Halogen Free, Hyper-Speed Technology hardware acceleration

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)

Parts List