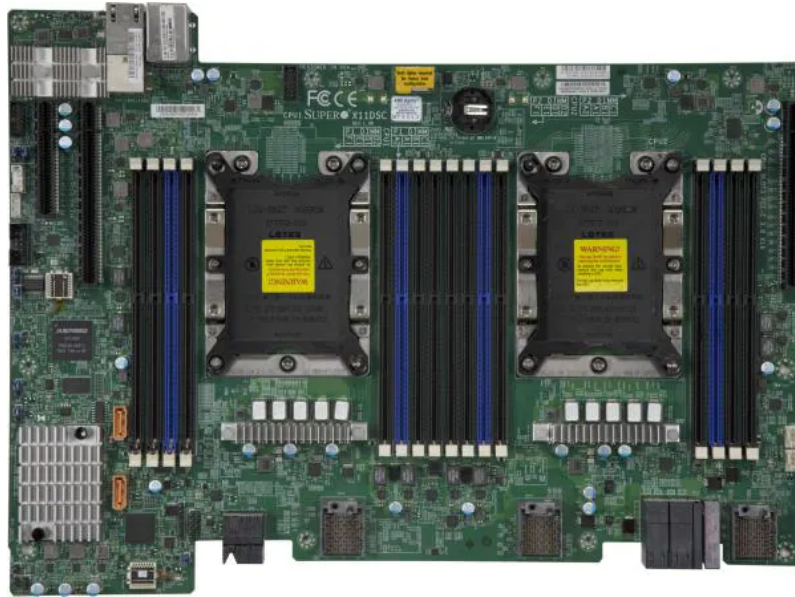


X11DSC (For SuperServer Only)



Skylake

Key Features

1. 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
CPU1: Skylake-SP CPU supported
CPU2: Skylake-SP CPU supported

2. Intel® C621

3. Up to 4TB 3DS ECC RDIMM, DDR4-2933MHz; Up to 4TB 3DS ECC LRDIMM, DDR4-2933MHz
Up to 2TB Intel® Optane™ Persistent Memory 200 Series, DDR4-2666MHz, in 16 DIMM slots

4. 2 PCI-E 3.0 x16 Or 1 PCI-E 3.0 x8
M.2 Interface: 2 PCI-E 3.0 x2
M.2 Form Factor: 22110

5. Networking options provided via Ultra RiserDual LAN with Intel® X550 10GBase-T Ethernet Controller

Specifications

Expansion Slots

PCI-E	<ul style="list-style-type: none"> 2 PCI-E 3.0 x16 Or 1 PCI-E 3.0 x8
M.2	<ul style="list-style-type: none"> M.2 Interface: 2 PCI-E 3.0 x2 Form Factor: 22110

System BIOS

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

Management

Software	<ul style="list-style-type: none"> SuperDoctor® 5, SUM, SPM, Intel® Node Manager, SSM, IPMI2.0, 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 / ACPM Power Management

PC Health Monitoring

Voltage	<ul style="list-style-type: none"> CPU temperature, Chipset Voltage, Chassis intrusion header, 6 -fan status, +5V standby, +5V, +3.3V, +12V
FAN	<ul style="list-style-type: none"> 6x 4-pin fan headers (up to 6 fans) Fan speed control Pulse Width Modulated (PWM) fan connectors Overheat LED indication
Other Features	<ul style="list-style-type: none"> UID RoHS Chassis intrusion header ACPI power management RoHS, Halogen Free

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)
Operating Relative Humidity Range	<ul style="list-style-type: none"> 8% - 90% (non-condensing)
Non Operating Relative Humidity Range	<ul style="list-style-type: none"> 5% - 95% (non-condensing)

Product SKUs

MBD-X11DSC ■ X11DSC

Physical Stats

Form Factor ■ Proprietary

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

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

System Memory

Memory Capacity ■ 16 DIMM slots
 ■ Up to 2TB Intel® Optane™ Persistent Memory 200 Series, DDR4-2666MHz
 ■ Up to 4TB 3DS ECC LRDIMM, DDR4-2933MHz; Up to 4TB 3DS ECC RDIMM, DDR4-2933MHz

Memory Type ■ ECC DDR4 LRDIMM (3DS), RDIMM (3DS)

DIMM Sizes ■ LRDIMM: 128GB
 ■ RDIMM: 64GB

Memory Voltage ■ 1.2V

Error Detection ■ Corrects single-bit errors
 ■ Detects double-bit errors (using ECC memory)

On-Board Devices

Chipset ■ Intel® C621

IPMI ■ ASPEED AST2500 BMC

Network Controllers ■ Dual LAN with Intel® X550 10GBase-T Ethernet Controller
 ■ Networking options provided via Ultra Riser

Input / Output

SATA ■ 2 SATA3 (6Gbps) port(s)

LAN ■ 2 RJ45 10 Gigabit Ethernet LAN ports

USB ■ 3 USB 3.1 Gen1 port(s) (2 rear; 1 via header)

Serial Port ■ 1 COM Port(s) (1 header)

DOM ■ 2 SATA DOM (Disk on Module) power connector support

TPM ■ 1 TPM Header

Parts List

Parts List (Bulk Package)			
Name	Part Number	Qty	Description
Motherboard	MBD-X11DSC	1	X11DSC Motherboard

Server (Optimized for X11DSC)

Server Name
<u>SSG-6049SP-DE1CR60</u>
<u>SSG-6049SP-DE1CR90</u>
<u>SSG-6049SP-DE2CR60</u>
<u>SSG-6049SP-DE2CR90</u>
<u>SSG-6049SP-E1CR60</u>
<u>SSG-6049SP-E1CR90</u>

