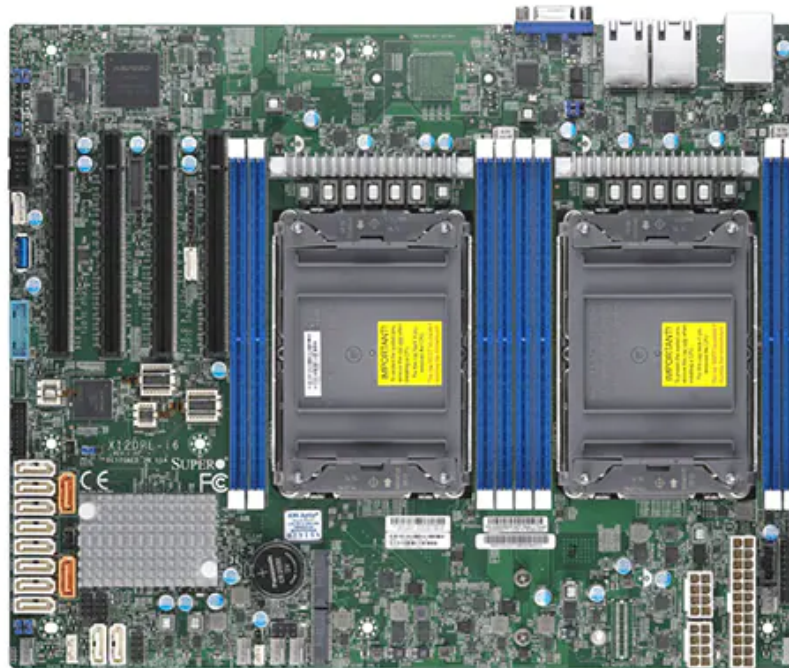


X12DPL-i6



12" x 10"

Key Features

3rd Gen Intel® Xeon® Scalable processors

Dual Socket LGA-4189 (Socket P+) supported, CPU TDP supports Up to 185W TDP, 2 UPI up to 11.2 GT/s

Intel® C621A

Up to 2TB RDIMM, DDR4-3200MHz; Up to 2TB 3DS ECC LRDIMM, DDR4-3200MHz, in 8 DIMM slots

4 PCIe 4.0 x16

M.2 Interface: 2 PCIe 4.0 x4

M.2 Form Factor: 2280/22110, 2280

M.2 Key: M-Key

Intel® C621A controller for 12 SATA3 (6 Gbps) ports; RAID 0,1,5,10

Dual LAN with Intel® i210 Gigabit Ethernet Controller

1 VGA port

Specifications

Product SKUs

MBD-X12DPL-i6

Physical Stats

Form Factor

ATX

Dimension

12.23" x 10" (31.06cm x 25.4cm)

Processor

CPU

3rd Gen Intel® Xeon® Scalable processors
Dual Socket LGA-4189 (Socket P+)
supported, CPU TDP supports Up to 185W
TDP, Dual UPI up to 11.2 GT/s

System Memory

Memory Capacity

8 DIMM slots
Up to 2TB 3DS ECC LRDIMM, DDR4-
3200MHz; Up to 2TB ECC RDIMM, DDR4-
3200MHz

Memory Type

3200/2933/2666MHz ECC DDR4 LRDIMM
(3DS), RDIMM

DIMM Sizes

256GB
LRDIMM: 256GB
RDIMM: 256GB

Memory Voltage

1.2V

Error Detection

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

On-Board Devices

Chipset

Intel® C621A

SATA

Intel® C621A controller for 12 SATA3 (6
Gbps) ports; RAID 0,1,5,10

IPMI

ASPEED AST2600 BMC

Graphics

1 ASPEED AST2600 BMC port(s)

Network Controllers

Dual LAN with Intel® i210 Gigabit Ethernet
Controller

Input / Output

Expansion Slots

PCIe

4 PCIe 4.0 x16

M.2

M.2 Interface: 1 PCIe 4.0 x4; 1 PCIe 4.0 x4
Form Factor: 2280/22110, 2280
Key: M-Key, M-Key

System BIOS

BIOS Type

AMI UEFI

Management

Software

SuperDoctor® 5, NMI, SUM, KVM with
dedicated LAN, SPM, Intel® Node
Manager, SSM, IPMI2.0, Watchdog

System Management

Software

IPMICFG, IPMIView for Linux/Windows,
SMCIPMITool

Power Configurations

ACPI Power Management

PC Health Monitoring

Voltage

Supports system management utility,
Monitors CPU voltages, Chassis intrusion
header, 3.3V standby, +5V standby, +5V,
+3.3V, +12V, 8 -fan status

LED

UID/Remote UID
BMC/IPMI Heartbeat LED

Temperature

CPU thermal trip support
PECI

FAN

8x 4-pin fan headers (up to 8 fans)
PWM fan speed control
Overheat LED indication

Other Features

UID, Node Manager Support, Dual Cooling
Zones, CPU thermal trip support for
processor protection, Control of power-on
for recovery from AC power loss, Chassis
intrusion header, Chassis intrusion
detection, ATX Power connector, ACPI
power management, RoT, NCSI header

LAN

2 RJ45 Gigabit Ethernet LAN ports

USB

5 USB 3.2 Gen1 port(s) (2 via header; 2 rear; 1 type A)

Video Output

1 VGA port(s)

Serial Port

1 COM Port(s) (1 header)

DOM

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

TPM

1 TPM Header

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

Standard Parts (Bulk Package)

CPU carrier

Part Number	SKT-1205L-P4IC-FXC
Qty	2
Description	CPU carrier for 3rd Gen Intel Xeon Scalable Processors

I/O Cables

Part Number	CBL-0044L • eStore
Qty	2
Description	57.5CM SATA FLAT S-S PBF

I/O Shield

Part Number	MCP-260-00156-0N
Qty	1
Description	I/O Shield for X12DPL-i6/NT6 with EMI Gasket

Standard Parts (Retail Package)

CPU carrier

Part Number	SKT-1205L-P4IC-FXC
Qty	2
Description	CPU carrier for 3rd Gen Intel Xeon Scalable Processors

I/O Cables

Part Number	CBL-0044L • eStore
Qty	6
Description	57.5CM SATA FLAT S-S PBF

I/O Shield

Part Number	MCP-260-00156-0N
Qty	1
Description	I/O Shield for X12DPL-i6/NT6 with EMI Gasket

Optional Parts

I/O Shield

Part Number	MCP-260-00157-0N
Qty	1
Description	1U I/O Shield for X12DPL with EMI Gasket,RoHS
