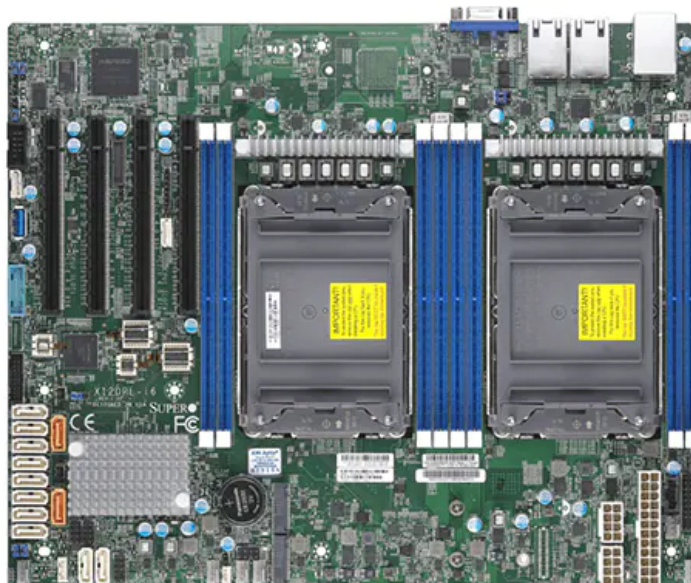


# X12DPL-i6

---



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**

3200/2933/2666 MT/s 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****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

**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**[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**

IPMICFG, IPMIView for Linux/Windows, SMCIPMITool

**Power Configurations**

ACPI Power Management

**Security****Hardware**

Trusted Platform Module (TPM) 2.0

**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

**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 • <a href="#">eStore</a>
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 • <a href="#">eStore</a>
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

---

