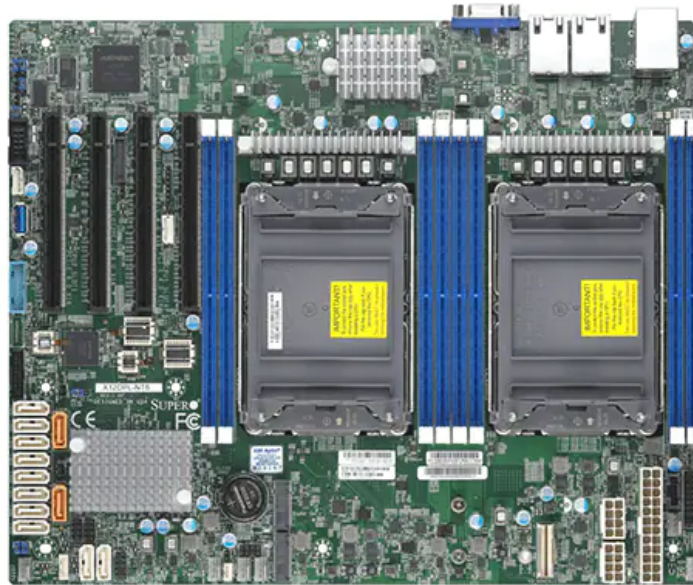


X12DPL-NT6



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 PCI-E 4.0 x16,

1 PCI-E 4.0 NVMe x8 Internal Port(s)

M.2 Interface: 2 PCI-E 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® X550 10GBase-T Ethernet Controller

1 VGA port

Specifications

Product SKUs**MBD-X12DPL-NT6**

X12DPL-NT6

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

ASPEED AST2600 BMC

Network Controllers

Dual LAN with Intel® X550 10GBase-T Ethernet Controller

Input / Output**LAN**

2 RJ45 10 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)

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

1 TPM Header

Expansion Slots**PCI-E**

4 PCI-E 4.0 x16

M.2

M.2 Interface: 1 PCI-E 4.0 x4; 1 PCI-E 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

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

Chassis (Optimized for X12DPL-NT6)**SKU**

Embedded

Compact

1U

2U

[SCLA26E1C4-](#)
[R609LP](#), (Heatsink1
:SNK-P0078AP4),
[SCLA25TQC-](#)
[R609LP](#), (Heatsink1
:SNK-P0078AP4),
[SC825MBTQC-](#)
[R802LPB](#), (Heatsink1
:SNK-P0078AP4),
[SCLA26AC12-](#)
[R920LP1](#), (Heatsink1
:SNK-P0078AP4),
3U [SC835TQC-R802B](#),
(Heatsink1 :SNK-
P0078AP4),

Mid/Mini-Tower SC732I-668B,(Heatsink1 :SNK-P0078AP4),

4U/Tower SC842TQC-668B,
(Heatsink1 :SNK-P0078AP4), SC842TQC-903B,(Heatsink1 :SNK-P0078AP4),

1. ● = Most optimized Chassis for SuperServer Configuration
2. Blue color = Compatible
3. Green color = Global SKU&Compatible
4. Red dot & green color = Optimized + Global SKU