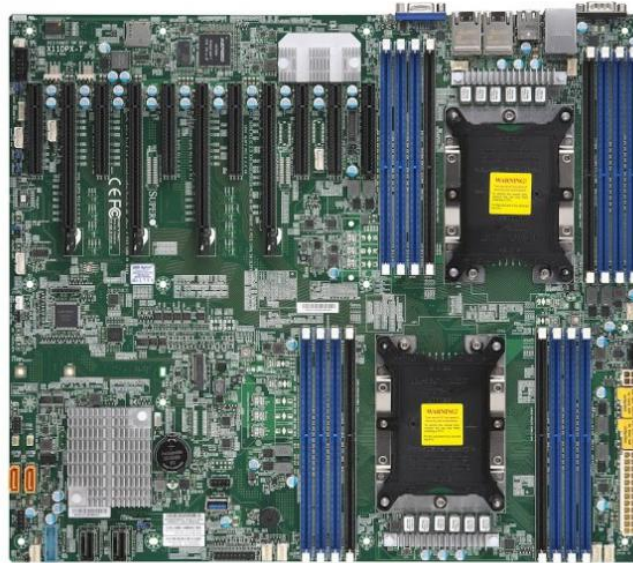# X11DPX-T

11 PCI-E Slots
3 UPI

Dual 10GbE

Key Features

2nd Gen Intel® Xeon® Scalable Processors and Intel® Xeon® Scalable Processors,

Dual Socket LGA-3647 (Socket P) supported, CPU TDP support Up to 205W TDP, 3 UPI up to 10.4 GT/s

Intel® C621

Up to 4TB 3DS ECC RDIMM, DDR4-2933MHz; Up to 4TB 3DS ECC LRDIMM, DDR4-2933MHz

Or 2TB DCPMM, DDR4-2666MHz, in 16 DIMM slots;

Up to 2TB Intel® Optane™ DC Persistent Memory in memory mode (Cascade Lake only).

2 PCIe 3.0 x16,

8 PCIe 3.0 x8,

1 PCIe 3.0 x4 (in x8 slot) Or 4 PCIe 3.0 x16 and 4 PCIe 3.0 x8 and 1 PCIe 3.0 x4 (in x8 slot)

M.2 Interface: 1 PCIe 3.0 x4

M.2 Form Factor: 2280, 22110

M.2 Key: M-Key

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

Intel® C621 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10

1 VGA D-Sub Connector port

Optimized Servers

SYS-2029P-TXRT

SYS-6039P-TXRT

Specifications

Product SKUs
MBD-X11DPX-T

Physical Stats
Form Factor
Proprietary
Dimension
15.12" x 13.2" (38.4cm x 33.53cm)

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
Note
BIOS version 3.2 or above is required to support 2nd Gen Intel® Xeon® Scalable processors (codenamed Cascade Lake-R)

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

Up to 2TB Intel® Optane™ DC Persistent Memory in memory mode (Cascade Lake only).
Memory Type
2933/2666/2400/2133 MT/s ECC DDR4 LRDIMM (3DS), RDIMM (3DS)
DIMM Sizes
64GB
LRDIMM: 64GB, 128GB
RDIMM: 64GB, 128GB
Memory Voltage
1.2V
Error Detection
Corrects single-bit errors
Detects double-bit errors (using ECC memory)

On-Board Devices
Chipset
Intel® C621
SATA
Intel® C621 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10
IPMI
ASPEED AST2500
Graphics
1 ASPEED AST2500 BMC port(s)
Network Controllers
Dual LAN with Intel® X550 10GBase-T Ethernet Controller

Input / Output
SATA
10 SATA3 (6Gbps) port(s)
LAN
2 RJ45 10GBase-T ports
USB
4 USB 2.0 port(s) (2 rear; 2 via header)
3 USB 3.2 Gen1 port(s) (2 via header; 1 type A)
2 USB 3.0 port(s) (2 rear)
Video Output
1 VGA D-Sub Connector port(s)

Expansion Slots
PCIe
2 PCIe 3.0 x16,
8 PCIe 3.0 x8,
1 PCIe 3.0 x4 (in x8 slot) Or 4 PCIe 3.0 x16 and 4 PCIe 3.0 x8 and 1 PCIe 3.0 x4 (in x8 slot)
M.2
M.2 Interface: 1 PCIe 3.0 x4
Form Factor: 2280, 22110
Key: M-Key

System BIOS
BIOS Type
32MB AMI SPI Flash ROM
BIOS Features
Plug and Play (PnP)
ACPI 1.0 / 2.0 / 3.0 / 4.0
USB Keyboard support
SMBIOS 2.7.1
UEFI 2.3.1

Management
Software
SuperDoctor® 5, NMI, SUM, KVM with dedicated LAN, SPM, Intel® Node Manager, SSM, Watchdog, IPMI (Intelligent Platform Management Interface) v2.0 with KVM support
Power Configurations
ACPI Power Management

PC Health Monitoring
Voltage
VBAT, Supports system management utility, HT, Chassis intrusion header, +5V standby, +5V, +3.3V, +12V, +1.8V, 5+1 Phase-switching voltage regulator, 10 -fan status
LED
UID/Remote UID
Suspend static indicator LED
CPU / System Overheat LED
Other Features
RoHS
Node Manager Support
CPU thermal trip support for processor protection
Chassis intrusion detection
FAN
10x 4-pin fan headers (up to 10 fans)

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)

Serial Port
2 COM Port(s) (1 header; 1 rear)
DOM
2 Super<u>DOM</u> (Disk on Module) port with build power
TPM
1 TPM Header

Parts List