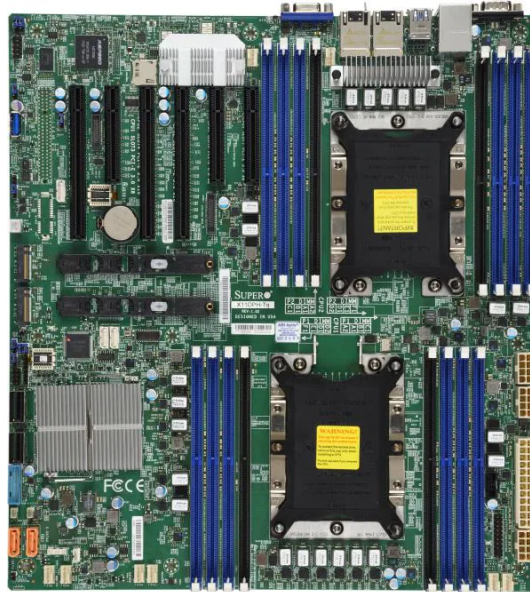# X11DPH-Tq

Intel® Quick Assist Technology

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® C627

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);

3 PCIe 3.0 x16,

3 PCIe 3.0 x8

M.2 Interface: 2 PCIe 3.0 x4

M.2 Form Factor: 2242/2260/2280/22110

M.2 Key: M-Key (RAID 0,1 support)

Dual LAN with 10GBase-T with Intel® X722 + X557

Intel® C627 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10

1 VGA port

Specifications

Product SKUs
MBD-X11DPH-Tq

Physical Stats
Form Factor
E-ATX
Dimension
12" x 13" (30.48cm x 33.02cm)

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
2933/2666/2400/2133 MT/s ECC DDR4 LRDIMM (3DS), RDIMM (3DS)
DIMM Sizes
LRDIMM: 64GB
RDIMM: 64GB
Memory Voltage
1.2V
Error Detection
Corrects single-bit errors
Detects double-bit errors (using ECC memory)

On-Board Devices
Chipset
Intel® C627
SATA
Intel® C627 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10
IPMI
ASPEED AST2500
Network Controllers
Dual LAN with 10GBase-T with Intel® X722 + X557

Input / Output
SATA
10 SATA3 (6Gbps) port(s)
LAN
2 RJ45 10GBase-T ports
USB
7 USB 3.2 Gen1 port(s) (2 via header; 4 rear; 1 type A)
Video Output
1 VGA port(s)
Serial Port
1 COM Port(s) (1 rear)
DOM
2 SATA DOM (Disk on Module) power connector support
TPM
1 TPM Header

Expansion Slots
PCIe
3 PCIe 3.0 x16,
3 PCIe 3.0 x8
M.2
M.2 Interface: 2 PCIe 3.0 x4, RAID 0,1
Form Factor: 2242/2260/2280/22110
Key: M-Key

System BIOS
BIOS Type
AMI UEFI

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

PC Health Monitoring
Voltage
Monitors CPU voltages, Chipset Voltage, 1.05 (PCH), +5V standby, +5V, +3.3V, +12V, +1.8V, Memory Voltages
LED
UID/Remote UID
Power LED
BMC/IPMI Heartbeat LED
Temperature
Monitoring for CPU and chassis environment
CPU thermal trip support
Thermal Control for 8 Fan Connectors
FAN
8x 4-pin fan headers (up to 8 fans)
PWM fan speed control
8x fans with tachometer monitoring
Other Features
WOL, UID, RoHS, CPU thermal trip support for processor protection, Chassis intrusion header, Chassis intrusion detection, ATX Power connector, ACPI power management, 8-pin 12v DC power connector, SDDC, NCSI header, Intel® QuickAssist Technology

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)

I/O Cables

Part Number	CBL-0044L • *e*Store
Qty	2
Description	57.5 cm SATA FLAT S-S PBF

I/O Shield

Part Number	MCP-260-00042-0N • *e*Store
Qty	1
Description	STD I/O SHIELD