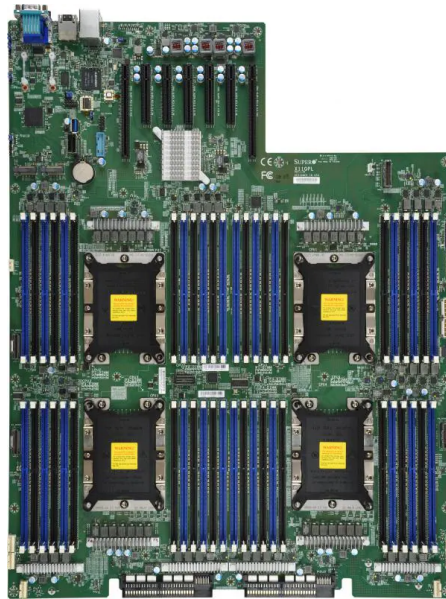


X11QPL (For SuperServer Only)



MP Solutions

Key Features

1. 2nd Gen Intel® Xeon® Scalable Processors and Intel® Xeon® Scalable Processors, CPU TDP support Up to 205W TDP, 3 UPI up to 10.4 GT/s

2. Intel® C621

3. Up to 12TB 3DS ECC RDIMM, DDR4-2933MHz; Up to 12TB 3DS ECC LRDIMM, DDR4-2933MHz
Or 12TB 3DS ECC DCPMM, DDR4-2666MHz, in 48 DIMM slots

4. 5 PCI-E 3.0 x8,
2 PCI-E 3.0 x16
M.2 Interface: 2 SATA/PCI-E 3.0 x4
M.2 Form Factor: 2280/22110
M.2 Key: M-Key,
8 PCI-E 3.0 NVMe x4 External Port(s)

5. Intel® C621 controller for 2 SATA3 (6 Gbps) ports; RAID 0,1

6. Single LAN with GbE from C621

7. 1 VGA port

Specifications

Product SKUs

MBD-X11QPL ■ X11QPL

Physical Stats

Form Factor ■ Proprietary

Dimension ■ 16.8" x 23.35" (42.67cm x 59.31cm)

Processor

CPU ■ 2nd Gen Intel® Xeon® Scalable Processors and Intel® Xeon® Scalable Processors

Note ■ BIOS version 3.0 or above is required to support 2nd Gen Intel® Xeon® Scalable processors

System Memory

Memory Capacity ■ 48 DIMM slots
 ■ Up to 12TB 3DS Intel® Optane™ Persistent Memory 200 Series, DDR4-2666MHz
 ■ Up to 12TB 3DS ECC LRDIMM, DDR4-2933MHz; Up to 12TB 3DS ECC RDIMM, DDR4-2933MHz

Memory Type ■ ECC DDR4 LRDIMM (3DS), RDIMM (3DS)

DIMM Sizes ■ 16GB, 32GB, 64GB, 128GB
 ■ LRDIMM: 16GB, 32GB, 64GB, 128GB, 256GB
 ■ RDIMM: 16GB, 32GB, 64GB, 128GB, 256GB

Memory Voltage ■ 1.35V

On-Board Devices

Chipset ■ Intel® C621

SATA ■ Intel® C621 controller for 2 SATA3 (6 Gbps) ports; RAID 0,1

IPMI ■ ASPEED AST2500

Network Controllers ■ Single LAN with GbE from C621

Input / Output

SATA ■ 2 SATA3 (6Gbps) port(s)

USB ■ 1 USB 3.2 Gen1 port(s) (1 via header)

Video Output ■ 1 VGA port(s)

TPM ■ 1 TPM Header

Expansion Slots

PCI-E ■ 5 PCI-E 3.0 x8,
 ■ 2 PCI-E 3.0 x16

M.2 ■ M.2 Interface: 2 SATA/PCI-E 3.0 x4
 ■ Form Factor: 2280/22110
 ■ Key: M-Key

System BIOS

BIOS Type ■ AMI UEFI

Management

Software ■ SuperDoctor® 5, NMI, SUM, Watchdog, IPMI (Intelligent Platform Management Interface) v2.0 with KVM support

PC Health Monitoring

Voltage ■ VBAT, Supports system management utility, Monitors CPU voltages, Chassis intrusion header, 4 -fan status, +5V standby, +5V, +3.3V, +12V, +1.8V, 5 Phase-switching voltage regulator

FAN ■ 2x 6-pin fan headers (up to 2 fans)
 ■ PWM fan speed control
 ■ Low noise fan speed control
 ■ Status monitoring for speed control
 ■ Status monitoring for on/off control

Other Features ■ SDDC
 ■ RoHS, Halogen Free

Parts List

Parts List (Bulk Package)			
Name	Part Number	Qty	Description
Motherboard	MBD-X11QPL	1	X11QPL Motherboard

Server (Optimized for X11QPL)

Server Name
<u>SYS-2049P-TN8R</u>

