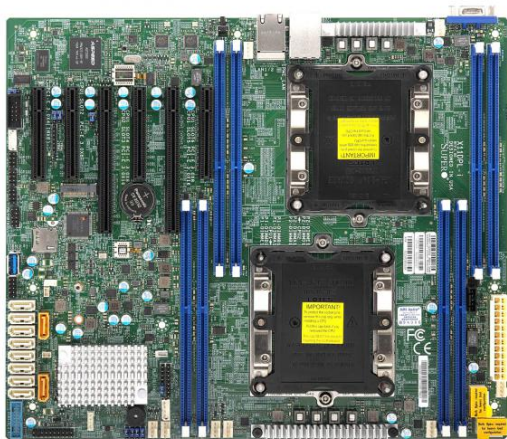




12" x 10"

Key Features

1. 2nd Gen Intel® Xeon® Scalable Processors and Intel® Xeon® Scalable Processors,
Dual Socket LGA-3647 (Socket P) supported, CPU TDP support Up to 140W TDP, 2
UPI up to 10.4 GT/s
2. Intel® C621
3. Up to 2TB 3DS ECC RDIMM, DDR4-2933MHz; Up to 2TB 3DS ECC LRDIMM, DDR4-
2933MHz, in 8 DIMM slots
4. 2 PCI-E 3.0 x16,
3 PCI-E 3.0 x8,
1 PCI-E 3.0 x4 (in x8 slot)
M.2 Interface: 1 SATA/PCI-E 3.0 x4
M.2 Form Factor: 2260, 2280
M.2 Key: M-Key
5. 1 VGA port
6. Intel® C621 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10
7. Dual LAN with Lowisburg
Marvell 88E1512 PHY

Links & Resources

[Tested Memory List](#)

[Tested HDD / SSD List](#)

[Tested M.2 List](#)

[Tested AOC List](#)

[Motherboard Manual](#)

[Quick Reference Guide](#)

[Update Your BIOS](#)

[BMC/IPMI Firmware](#)

[Download the Latest Drivers and Utilities](#)

[Download Drivers CD](#)

[OS Compatibility](#)

[Optimization](#)



Specifications

Product SKUs

MBD-X11DPL-i ■ X11DPL-i

Physical Stats

Form Factor ■ ATX

Dimensions ■ 12.076" x 10.15" (30.67cm x 25.78cm)

Processor/Cache

CPU ■ 2nd Gen Intel® Xeon® Scalable Processors and Intel® Xeon® Scalable Processors, ■ Dual Socket LGA-3647 (Socket P) supported, CPU TDP support Up to 140W TDP, 2 UPI up to 10.4 GT/s

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 ■ Up to 2TB 3DS ECC RDIMM, DDR4-2933MHz; Up to 2TB 3DS ECC LRDIMM, DDR4-2933MHz, in 8 DIMM slots

Memory Type ■ 2933/2666/2400/2133MHz ECC DDR4 RDIMM, LRDIMM

DIMM Sizes ■ RDIMM: 64GB ■ LRDIMM: 128GB ■ 3DS LRDIMM: 128GB, 256GB

Memory Voltage ■ 1.2V

Error Detection ■ Corrects single-bit errors

On-Board Devices

Chipset ■ Intel® C621

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

IPMI ■ ASPEED AST2500

Network Controllers ■ Dual LAN with Lewisburg Marvell 88E1512 PHY

Graphics ■ Aspeed AST2500 BMC

Input / Output

SATA ■ 10 SATA3 (6Gbps) port

LAN ■ 2 RJ45 Gigabit Ethernet LAN ports

USB ■ 4 USB 2.0 ports (2 rear + 2 headers) ■ 3 USB 3.0 ports (2 headers + 1 Type A)

Video Output ■ 1 VGA port

Serial Port / Header ■ 1 COM Port (1 header)

TPM ■ 1 TPM Header

Expansion Slots

PCI-E ■ 2 PCI-E 3.0 x16, ■ 3 PCI-E 3.0 x8, ■ 1 PCI-E 3.0 x4 (in x8 slot)

M.2 ■ M.2 Interface: 1 SATA/PCI-E 3.0 x4 ■ Form Factor: 2260, 2280 ■ Key: M-Key

System BIOS

BIOS Type ■ AMI UEFI

Management

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

Power Configurations ■ ACPI Power Management

PC Health Monitoring

Voltage ■ +12V, +3.3V, +5V, +5V standby, 3.3V standby, 8 -fan status, Chassis intrusion header, Monitors CPU voltages, Supports system management utility

FAN ■ 8x 4-pin fan headers (up to 8 fans), Overheat LED indication, PWM fan speed control

Temperature ■ CPU thermal trip support, PECL

LED ■ CPU / System Overheat LED, UID/Remote UID

Other Features ■ ACPI power management, ATX Power connector, Chassis intrusion detection, Chassis intrusion header, Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, Node Manager Support, SDDC, UID

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

Parts List (Bulk Package)			
Name	Part Number	Qty	Description
Motherboard	MBD-X11DPL-i	1	X11DPL-i Motherboard
I/O Cables	CBL-0044L	2	SATA CABLE 61CM FLAT S-S PBF
I/O Shield	MCP-260-00110-0N	1	Standard I/O Shield for X11DPL-i with EMI Gasket

Parts List (Retail Package)			
Name	Part Number	Qty	Description
Motherboard	MBD-X11DPL-i	1	X11DPL-i Motherboard
I/O Cables	CBL-0044L	6	SATA CABLE 61CM FLAT S-S PBF
I/O Shield	MCP-260-00110-0N	1	Standard I/O Shield for X11DPL-i with EMI Gasket

Optional Parts List			
Name	Part Number	Qty	Description
Heat Sink (optional, not included)	SNK-P0067PD	--	1U Passive Proprietary CPU Heat Sink for X11DPL Motherboard Equipped with a Square Retention Mechanism
Heat Sink (optional, not included)	SNK-P0068AP4	--	2U Active CPU Heat Sink Supporting Square Bolster Plate Mounting Mechanism for X11DPL in 2U and Above Systems
TPM security module (optional, not included)	AOM-TPM-9670V	--	SPI capable TPM 2.0 with Infineon 9670 controller with vertical form factor
1U I/O Shield	MCP-260-00111-0N	--	1U I/O Shield for X11DPL-i with EMI Gasket

Chassis (Optimized for X11DPL-i)

Embedded Compact	1U	2U	3U	Mid/Mini-Tower	4U/Tower
	● SC813MF2TQC-505CB ● SC113MFAC2-605CB ● SC113MFAC2-R804CB ● SC813MF2TQC-R804CB 1U Heatsink:SNK-P0067PD	SC825TQC-R740LPB SC825MBTQC-R802LPB SCLA25TQC-R609LP SCLA26E1C4-R609LP 2U Heatsink:SNK-P0068AP4	SC835TQC-R802B 2U Heatsink:SNK-P0068AP4	SC732i-865B 2U Heatsink:SNK-P0068AP4	SC842XTQ-R606B SC842TQC-865B 2U Heatsink:SNK-P0068AP4

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

Server (Optimized for X11DPL-i)

Server Name
<u>SYS-1029P-MT</u>
<u>SYS-1029P-MTR</u>
<u>SYS-6019P-MT</u>
<u>SYS-6019P-MTR</u>