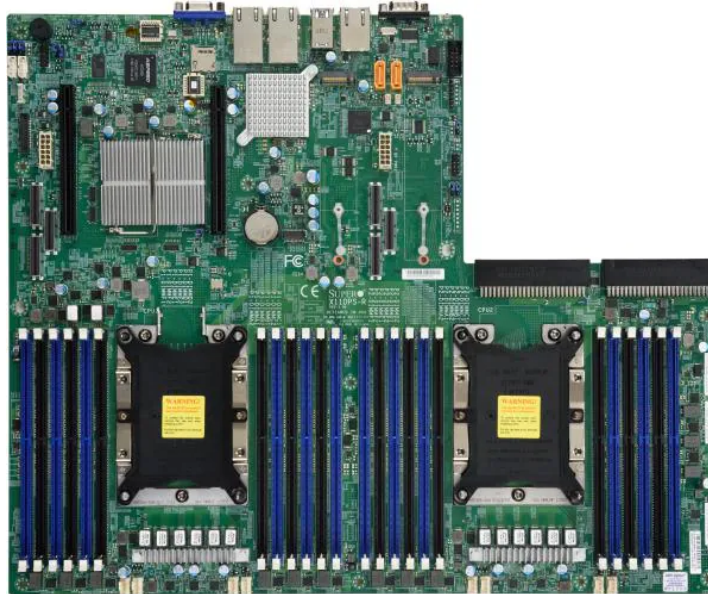


X11DPS-RE (For SuperServer Only)



NVMe
3 UPI

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 6TB 3DS ECC RDIMM, DDR4-2933MHz; Up to 6TB 3DS ECC LRDIMM, DDR4-2933MHz, in 24 DIMM slots;

Up to 6TB Intel® Optane™ DC Persistent Memory in memory mode (Cascade Lake only)

2 PCIe 3.0 x16 (Low Profile),

4 PCIe 3.0 x16

M.2 Interface: 2 PCIe 3.0 x2

M.2 Form Factor: 2260/2280/22110

M.2 Key: M-Key

*2 SATA Hybrid ports, RAID 0 & 1

Dual LAN with 10GBase-T with Intel® X550

1 VGA D-Sub Connector port

Optimized Servers

[SSG-1029P-NEL32R](#)

[SYS-1029P-N32R](#)

Specifications

Product SKUs

MBD-X11DPS-RE

Physical Stats

Form Factor

Proprietary

Dimension

13.5" x 16.73" (34.29cm x 42.49cm)

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

Note

*2933 MHz in two DIMMs per channel can be achieved by using memory purchased from Supermicro

System Memory

Memory Capacity

24 DIMM slots

Up to 6TB 3DS ECC LRDIMM, DDR4-2933MHz; Up to 6TB 3DS ECC RDIMM, DDR4-2933MHz

Up to 6TB Intel® Optane™ DC Persistent Memory in memory mode (Cascade Lake only)

Memory Type

2666/2400/2133 MT/s ECC DDR4 LRDIMM (3DS), RDIMM (3DS)

DIMM Sizes

LRDIMM: 64GB, 128GB

RDIMM: 32GB, 64GB, 128GB

Memory Voltage

1.2V

Error Detection

Corrects single-bit errors

Detects double-bit errors (using ECC memory)

On-Board Devices

Chipset

Intel® C627

IPMI

ASPEED AST2500

Graphics

0 ASPEED AST2500 BMC port(s)

Network Controllers

Dual LAN with 10GBase-T with Intel® X550

Input / Output

LAN

2 RJ45 10GBase-T ports

USB

2 USB 3.0 port(s) (2 rear)

Video Output

1 VGA D-Sub Connector port(s)

Serial Port

2 COM Port(s) (1 header; 1 rear)

DOM

2 SuperDOM (Disk on Module) port with build power

TPM

1 TPM Header

Expansion Slots

PCIe

2 PCIe 3.0 x16 (Low Profile),

4 PCIe 3.0 x16

M.2

M.2 Interface: 2 PCIe 3.0 x2

Form Factor: 2260/2280/22110

Key: M-Key

*2 SATA Hybrid ports, RAID 0 & 1

System BIOS

BIOS Type

AMI UEFI

Management

Software

SuperDoctor® 5, NMI, SUM, KVM with dedicated LAN, SPM, Intel®

Node Manager, SSM, IPMI2.0, Watchdog, IPMI (Intelligent Platform Management Interface) v2.0 with KVM support

System Management Software

IPMI (Intelligent Platform Management Interface) v1.5 / 2.0 with KVM support

Power Configurations

ACPI Power Management

PC Health Monitoring

Voltage

VBAT, Monitors CPU voltages, Chipset Voltage, +5V standby, +5V, +3.3V, +12V, +1.8V, Memory Voltages

LED

UID/Remote UID

CPU / System Overheat LED

Temperature

Monitoring for CPU and chassis environment

FAN

8x 4-pin fan headers (up to 8 fans)

System level control

PWM fan speed control

Status monitoring for speed control

8x fans with tachometer monitoring

Other Features

WOL, UID, System level control, RoHS, Node Manager Support, CPU thermal trip support for processor protection, Control of power-on for recovery from AC power loss, Chassis intrusion header, Chassis intrusion detection, RoHS, Halogen Free, Intel® QuickAssist Technology, Innovation Engine

Operating Environment

Operating Temperature Range

10°C - 35°C (50°F - 95°F)

Non-Operating Temperature Range

-30°C - 60°C (-22°F - 140°F)

Operating Relative Humidity Range

8% - 90% (non-condensing)

Non Operating Relative Humidity Range

5% - 95% (non-condensing)

Parts List

Optional Parts

TPM security module (optional, not included)

Part Number AOM-TPM-9670V

Qty 1

Description SPI capable TPM 2.0 with
Infineon 9670 controller
with vertical form factor
