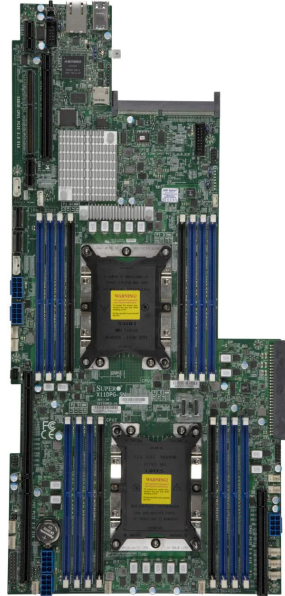# X11DPG-SN (For SuperServer Only)



**GPU Serverboard**

## 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, in 16 DIMM slots;

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

4 PCIe 3.0 x16,

1 PCIe 3.0 x8,

2 PCIe 3.0 NVMe x4 Internal Port(s)

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

1 VGA port

Networking options provide via SIOM or AOC NIC

## Optimized Servers

SYS-1029GP-TR

SYS-2029GP-TR

## Specifications

**Product SKUs**
**MBD-X11DPG-SN**

**Physical Stats**
**Form Factor**
Proprietary
**Dimension**
9.2" x 19.8" (23.37cm x 50.29cm)

**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**
16 DIMM slots
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**
LRDIMM: 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**
N/A

**Input / Output**
**LAN**
1 RJ45 Dedicated IPMI LAN port
**USB**
2 USB 3.0 port(s) (2 rear)
**Video Output**
1 VGA port(s)
**Serial Port**
1 COM Port(s) (1 header)
**TPM**
1 TPM Header

**Expansion Slots**
**PCIe**
4 PCIe 3.0 x16,
1 PCIe 3.0 x8

**System BIOS**
**BIOS Type**
AMI UEFI

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

**PC Health Monitoring**
**Voltage**
System temperature, Supports system management utility, Monitors CPU voltages, Chassis intrusion header, +5V standby, +5V, +3.3V, +12V, Memory Voltages, 12 -fan status
**LED**
UID/Remote UID
Suspend static indicator LED
CPU / System Overheat LED
**Temperature**
Monitoring for CPU and chassis environment
CPU thermal trip support
PECI
**FAN**
12x 4-pin fan headers (up to 12 fans)
PWM fan speed control
Overheat LED indication
**Other Features**
UID, RoHS, Node Manager Support, CPU thermal trip support for processor protection, Chassis intrusion detection, ACPI power management

# Parts List