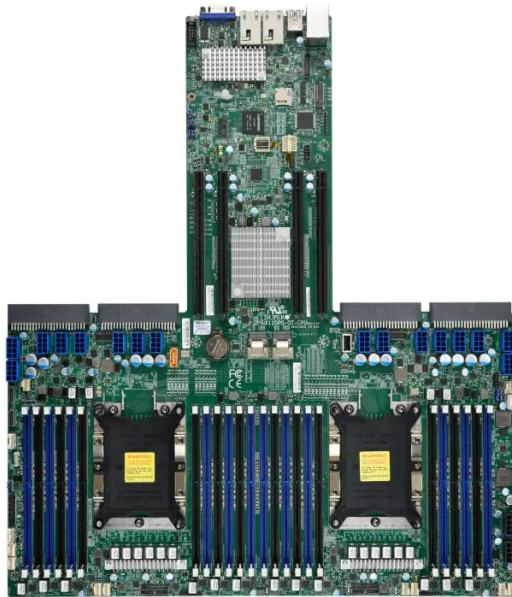


X11DPG-OT-CPU (For SuperServer Only)



GPU Serverboard

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 205W TDP, 3 UPI up to 10.4 GT/s
2. Intel® C622
3. Up to 6TB 3DS ECC RDIMM, DDR4-2933MHz; Up to 6TB 3DS ECC LRDIMM, DDR4-2933MHz, in 24 DIMM slotsUp to 6TB Intel® Optane™ DC Persistent Memory in memory mode (Cascade Lake only)
4. 4 PCI-E 3.0 x24 slots to PCI-E board
 - M.2 Interface:** 1 PCI-E 3.0 x4
 - M.2 Form Factor:** 2280, 22110
 - M.2 Key:** M-Key,
 - 2 PCI-E 3.0 NVMe x4 Internal Port(s)
5. Dual LAN with 10Gbase-T from C622
6. Intel® C622 controller for 8 SATA3 (6 Gbps) ports; RAID 0,1,5,10
7. 1 VGA port

Specifications

Product SKUs		Expansion Slots	
MBD-X11DPG-OT-CPU	X11DPG-OT-CPU	PCI-E	4 PCI-E 3.0 x24 slots to PCI-E board
Physical Stats		M.2	- M.2 Interface: 1 PCI-E 3.0 x4 - Form Factor: 2280, 22110 - Key: M-Key
Form Factor	Proprietary	System BIOS	
Dimension	17" x 19.5" (43.18cm x 49.53cm)	BIOS Type	AMI UEFI
Processor		Management	
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	Software	SuperDoctor® 5, SUM, KVM with dedicated LAN, SPM, Intel® Node Manager, SSM, IPMI2.0, Watchdog
Note	*2933 MHz in two DIMMs per channel can be achieved by using memory purchased from Supermicro *2933 MHz in two DIMMs per channel can be achieved by using memory purchased from Supermicro - BIOS version 3.2 or above is required to support 2nd Gen Intel® Xeon® Scalable processors (codenamed Cascade Lake-R)	PC Health Monitoring	
System Memory		Voltage	Monitors CPU voltages, 3.3V standby, +5V standby, +5V, +3.3V, +12V, +1.8V
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)	LED	- UID/Remote UID - CPU / System Overheat LED
Memory Type	2933/2666/2400/2133MHz ECC DDR4 LRDIMM (3DS), RDIMM (3DS)	Temperature	- Monitoring for CPU and chassis environment - CPU thermal trip support
DIMM Sizes	- LRDIMM: 128GB - RDIMM: 64GB	FAN	10x 4-pin fan headers (up to 10 fans) - PWM fan speed control - Overheat LED indication
Memory Voltage	1.2V	Other Features	- UID - Chassis intrusion header - ACPI power management - SDDC
Error Detection	- Corrects single-bit errors - Detects double-bit errors (using ECC memory)	On-Board Devices	
On-Board Devices		Chipset	Intel® C622
SATA	Intel® C622 controller for 8 SATA3 (6 Gbps) ports; RAID 0,1,5,10	IPMI	ASPEED AST2500
Graphics	ASPEED AST2500 BMC		

Network Controllers	■ Dual LAN with 10Gbase-T, from C622
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Input / Output

USB	■ 4 USB 3.2 Gen1 port(s) (4 rear) ■ 1 USB 2.0 port(s) (1 Type A)
Video Output	■ 1 VGA port(s)
Serial Port	■ 1 COM Port(s) (1 rear)
DOM	■ 1 SuperDOM (Disk on Module) ports
TPM	■ 1 TPM Header

Parts List

Parts List (Bulk Package)			
Name	Part Number	Qty	Description
Motherboard	MBD-X11DPG-OT-CPU	1	X11DPG-OT-CPU Motherboard

Server (Optimized for X11DPG-OT-CPU)

Server Name
<u>SYS-4029GP-TRT</u>
<u>SYS-4029GP-TRT2</u>
<u>SYS-4029GP-TRT3</u>
<u>SYS-6049GP-TRT</u>

