

GPU SuperServer SYS-220GP-TNR

2U Dual Processor (3rd Gen Intel® Xeon®) System with 6 PCIe GPUs



More details here

Key Applications

Scientific Virtualization, High Performance Computing, VDI, AI/Deep Learning Training,

Key Features

- Dual Socket P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable Processors;
- Intel® C621A Chipset;
- 16 DIMM Slots; Up to 4TB DRAM; Up to 4TB Intel® Optane™ Persistent Memory (up to 6TB with DRAM) ; 3200/2933/2666 ECC DDR4 LRDIMM;RDIMM; Intel® Optane™ Persistent Memory 200 series;
- 6 PCIe Gen 4.0 x16 FH, 10.5" L; Up to 2 PCIe Gen 4.0 x8 FH;
- Flexible networking options;
- Configuration 1: 8x SATA + 2x NVMe (PCIe slot 7 + slot 8 enabled); Configuration 3: 4x SATA + 6x NVMe; Configuration 2: 6x SATA + 4x NVMe (PCIe slot 7 enabled); 2x M.2 NVMe for boot drive only (with optional expansion card AOC-SLG3-2M2); Total 10x 2.5" Hot-swap drive bays, configurable combination of SATA + NVMe with optional cable, up to 6x NVMe;
- 5 counter rotating fans w/ Optimal Fan Speed Control;
- 2x 2600W redundant Titanium level power supplies;



Form Factor	2U Rackmount Enclosure: 440.7 x 88 x 766.8mm (17.35" x 3.46" x 30.18") Package: 673 x 279 x 1130mm (26.5" x 11" x 44.5")
Processor	3rd Gen Intel® Xeon® Scalable processors Dual Socket LGA-4189 (Socket P+) supported TDP up to 270W; 3 UPI
GPU	Supported GPU: NVIDIA A16, A30, A40, A100, Quadro RTX. Please refer to Compatible GPU List for details. Offboard VGA supported with A40, A4000, A4500, A5000, and A6000 CPU-GPU Interconnect: PCIe 4.0 x16 CPU-to-GPU Interconnect GPU-GPU Interconnect: PCIe
System Memory	16 DIMM slots Up to 4TB ECC LRDIMM, DDR4-3200MHz Up to 4TB ECC RDIMM, DDR4-3200MHz
Drive Bays	10x 2.5" hot-swap NVMe/SATA/SAS drive bays (2x 2.5" NVMe dedicated)
Expansion Slots	6 PCIe 4.0 x16 FH 10.5" L slot(s) 2 PCIe 4.0 x8 FHFL slot(s)
On-Board Devices	SATA: SATA3 (6Gbps); RAID 0/1/5/10 support Chipset: Intel® C621A Network Connectivity: Via AIOM IPMI: Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Input / Output	Video: 1 VGA port(s)



System Cooling	5 heavy duty fan(s)
Power Supply	1U 2600W redundant power supply Dimension (W x H x L): 73.5 x 40 x 265 mm Output Type: 25 Pairs Gold Finger Connector
System BIOS	BIOS Type: AMI 32MB SPI Flash EEPROM
Management	SuperDoctor® 5; Watch Dog; NMI; SUM; KVM with dedicated LAN; SPM; Intel® Node Manager; SSM; IPMI 2.0; Redfish API; OOB Management Package (SFT-OOB-LIC)
PC Health Monitoring	CPU: Monitors for CPU Cores, Chipset Voltages, Memory 7 +1 Phase-switching voltage regulator FAN: Fans with tachometer monitoring Status monitor for speed control Pulse Width Modulated (PWM) fan connectors Temperature: Monitoring for CPU and chassis environment Thermal Control for fan connectors
Dimensions and Weight	Height: 3.46" (88 mm) Width: 17.35" (440.7 mm) Depth: 30.18" (766.8 mm) Gross Weight: 54 lbs (24.5 kg) Net Weight: 39.5 lbs (17.9 kg) Packaging: 11" (H) x 26.5" (W) x 44.5" (D) Available Color: Black Front & Silver Body
Operating Environment	Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F) Non-operating Temperature: -40°C to 60°C (-40°F to 140°F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5% to 95% (non-condensing)
Motherboard	Super X12DPG-AR
Chassis	CSE-218GH2TS-R2K63BP