

GPU SuperServer SYS-420GP-TNR

4U Dual Processor (3rd Gen Intel® Xeon®), Dual-Root GPU System with Up to 10 PCIe GPUs



More details here

Key Applications

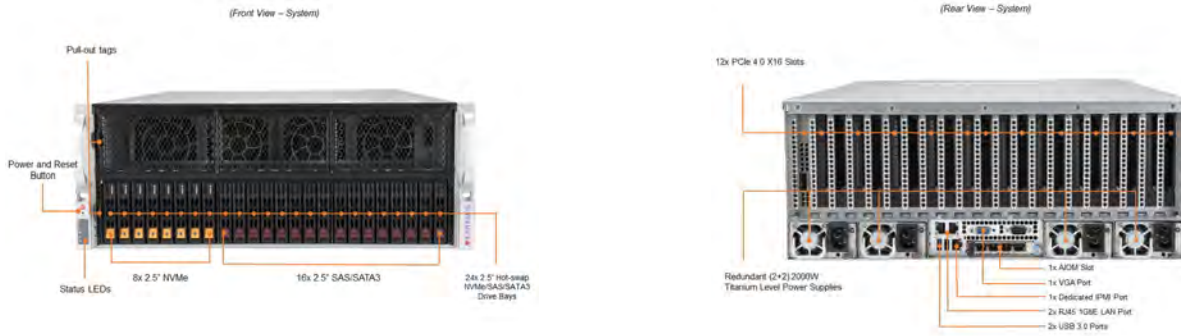
High Performance Computing, Rendering, VDI, AI/Deep Learning Training,

Key Features

- Dual Socket P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable Processors;
- Intel® C621A Chipset;
- 32 DIMM Slots; Up to 8TB DRAM; Up to 8TB Intel® Optane™ Persistent Memory (up to 12TB with DRAM); 3200/2933/2666 ECC DDR4 LRDIMM; RDIMM; Intel® Optane™ Persistent Memory 200 series;
- 12 PCIe Gen 4.0 X16 FHFL Slots; AIOM/OCP 3.0 Support;
- Flexible networking options;
- 8x HOT SWAP 2.5" SATA; Total 24x 2.5" Hot-swap drive bays; 2x M.2 NVMe for boot drive only; 8x HOT SWAP 2.5" NVMe; 8x HOT SWAP 2.5" SATA/SAS (AOC required);
- 8 Hot-Swap Heavy Duty Fans with Optimal Fan Speed Control;
- 4x 2000W redundant Titanium level power supplies;



Form Factor	4U Rackmount Enclosure: 437 x 178 x 737mm (17.2" x 7" x 29") Package: (27" x 26.57" x 41")
Processor	3rd Gen Intel® Xeon® Scalable processors Dual Socket LGA-4189 (Socket P+) supported TDP up to 270W; 3 UPI
GPU	Supported GPU: Up to 10 Double-Width/Single-Width PCIe 3.0/4.0 x16 Card (Full Height Full Length) NVIDIA A100, V100, A40, T4, Quadro RTX Intel® Data Center GPU, codenamed Arctic Sound-M Supports both active and passive cooled GPUs CPU-GPU Interconnect: PCIe 4.0 x16 Switch Dual-Root GPU-GPU Interconnect: NVIDIA® NVLink™ Bridge (optional)
System Memory	32 DIMM slots Up to 8TB ECC LRDIMM, DDR4-3200MHz
Drive Bays	24x 2.5" hot-swap NVMe/SATA/SAS drive bays (8x 2.5" NVMe dedicated) 2 M.2 NVMe OR 2 M.2 SATA3
Expansion Slots	12 PCIe 4.0 x16 FHFL slot(s)
On-Board Devices	SATA: SATA3 (6Gbps); RAID 0/1/5/10 support Chipset: Intel® C621A Network Connectivity: 2x 1GbE BaseT with Intel® I350 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	8 heavy duty fan(s)
Power Supply	2000W 1U redundant power supply W73.5 x L203 x H40mm Dimension (W x H x L): 73.5 x 40 x 203 mm Output Type: Backplanes (gold finger)
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: 7" (178 mm) Width: 17.2" (437 mm) Depth: 29" (737 mm) Gross Weight: 100 lbs (45.3 kg) Net Weight: 65.5 lbs (29.7 kg) Packaging: 26.57" x 27" x 41" 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-OA6
Chassis	CSE-418G2TS-R4016BP