

GPU SuperServer SYS-420GU-TNXR

Universal 4U Dual Processor (Intel) GPU System with NVIDIA HGX™ A100 4-GPU SXM4 board, NVLINK™ GPU-GPU Interconnect, and Redundant 3000W Titanium Level Power Supplies.



Key Applications

High Performance Computing
AI/Deep Learning Training

Key Features

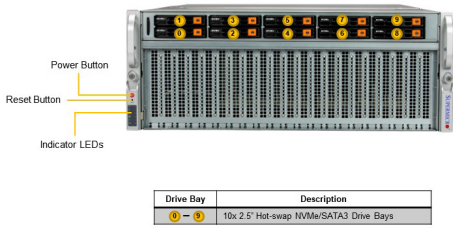
- Dual Socket P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable Processors;
- Intel® C621A Chipset;
- 32 DIMM Slots; Up to 8TB DRAM; 3200/2933/2666 ECC DDR4 LRDIMM; RDIMM;
- 4U system with NVIDIA® HGX™ A100 4-GPU; Highest GPU communication using NVIDIA® NVLINK™; 6 PCI-E Gen 4.0 X16 LP Slots; Supports HGX A100 4-GPU 40GB (HBM2) or 80GB (HBM2e);
- Flexible networking options;
- Up to 10x 2.5" Hot-swap NVMe/SATA drive bays; 1 M.2 NVMe/SATA via Intel® C621A PCH chipset (for boot drive only);
- 5 Hot-Swap Heavy Duty Fans with Optimal Fan Speed Control;
- 4x 3000W redundant Titanium level power supplies;

[More details here](#)

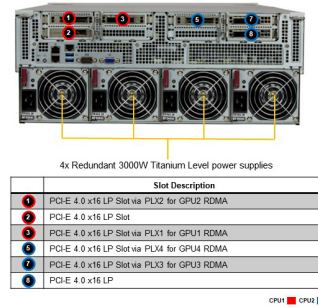


Form Factor	4U Rackmount Enclosure: 449 x 175.6 x 833mm (17.67" x 6.91" x 32.79") Package: 700 x 370 x 1260mm (27.55" x 14.57" x 49.6")
Processor	3rd Gen Intel® Xeon® Scalable processors Dual Socket LGA-4189 (Socket P+) supported TDP up to 270W; 3 UPI
GPU	Supported GPU: HGX A100 4-GPU SXM4 Multi-GPU Board CPU-GPU Interconnect: PCI-E 4.0 x16 CPU-to-GPU Interconnect GPU-GPU Interconnect: NVIDIA® NVLink™
System Memory	32 DIMM slots Up to 8TB ECC LRDIMM, DDR4-3200MHz
Drive Bays	10x 2.5" hot-swap NVMe/SATA drive bays; 10x 2.5" NVMe hybrid;
Expansion Slots	Slot 1: PCI-E 4.0 x16 LP Slot 2: PCI-E 4.0 x16 LP Slot 3: PCI-E 4.0 x16 LP Slot 5: PCI-E 4.0 x16 LP Slot 7: PCI-E 4.0 x16 LP Slot 8: PCI-E 4.0 x16 LP
On-Board Devices	SATA: SATA3 (6Gbps); RAID 0/1/5/10 support Chipset: Intel® C621A Network Connectivity: 2x 10GbE BaseT with Intel® X710 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)

(Front View – System)



(Rear View – System)



Cooling System	5 heavy duty fan(s)
Power Supply	8x 3000W Redundant Power Supplies, Titanium Level Output Type: Backplanes (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: 6.91" (175.6 mm) Width: 17.67" (449 mm) Depth: 32.79" (833 mm) Gross Weight: 225 lbs (102.1 kg) Net Weight: 166 lbs (75.3 kg) Packaging: 14.57" (H) x 27.55" (W) x 49.6" (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 X12DGU
Chassis	CSE-458GTS-R3K06P