GPU SuperServer SYS-820GP-TNAO
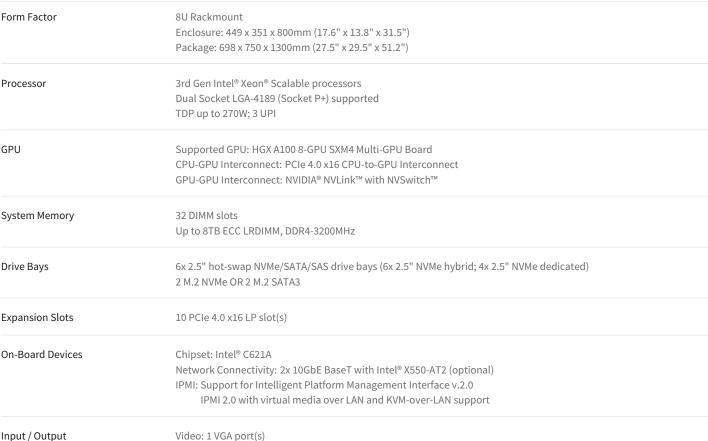
8U Dual Processor (3rd Gen Intel® Xeon®) GPU System with NVIDIA HGX A100 8-GPU with NVLink and NVSwitch that supports ORV2 (Open Rack V2) Only

More details here

Key Applications

High Performance Computing, AI/Deep Learning Training,

Key Features

- 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;
- AIOM/OCP 3.0 Support; 10 PCIe Gen 4.0 X16 LP Slots;
- Flexible networking options;
- 2 M.2 NVMe and SATA for boot drive only; 6x 2.5" Hot-swap NVMe/SATA/SAS drive bays;
- 4 heavy duty fans with optimal fan speed control;
- 1x 6000W power supply for OCP;

Form Factor	8U Rackmount Enclosure: 449 x 351 x 800mm (17.6" x 13.8" x 31.5") Package: 698 x 750 x 1300mm (27.5" x 29.5" x 51.2")
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 8-GPU SXM4 Multi-GPU Board CPU-GPU Interconnect: PCIe 4.0 x16 CPU-to-GPU Interconnect GPU-GPU Interconnect: NVIDIA® NVLink™ with NVSwitch™
System Memory	32 DIMM slots Up to 8TB ECC LRDIMM, DDR4-3200MHz
Drive Bays	6x 2.5" hot-swap NVMe/SATA/SAS drive bays (6x 2.5" NVMe hybrid; 4x 2.5" NVMe dedicated) 2 M.2 NVMe OR 2 M.2 SATA3
Expansion Slots	10 PCIe 4.0 x16 LP slot(s)
On-Board Devices	Chipset: Intel® C621A Network Connectivity: 2x 10GbE BaseT with Intel® X550-AT2 (optional) 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	4 heavy duty fan(s)
Power Supply	1x 6000W Power Supply, ORV2 Compatible Only Dimension (W x H x L): 151 x 80 x 400 mm 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: 13.8" (351 mm) Width: 17.6" (449 mm) Depth: 31.5" (800 mm) Gross Weight: 225 lbs (102.1 kg) Net Weight: 166 lbs (75.3 kg) Packaging: 29.5" (H) x 27.5" (W) x 51.2" (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 X12DGO-6
Chassis	CSE-GP802TS