GPU SuperServer SYS-821GV-TNR

8U Dual Processor (4th Gen Intel® Xeon) System with 8 Intel® Max Series 1550 GPU, Ponte Vecchio
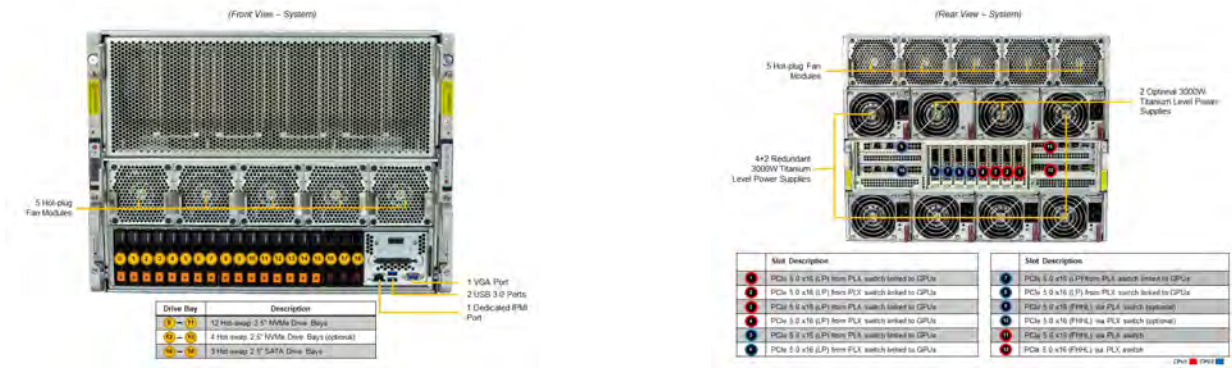
More details here

Key Applications

High Performance Computing, AI/Deep Learning Training, Industrial Automation, Business Intelligence & Analytics, Climate and Weather Modeling, Biomedical, Generative AI, Finance Services and Fraud Detection,

Key Features

- Dual 4th Gen Intel® Xeon® Scalable processors With PCIE Gen 5 Platform; GPU to GPU Interconnect: 742 GB/s XeLink Scale Up Bandwidth; GPU Memory: 1TB HBM2; High Density Computing: 8 x Intel® Data Center GPU Max 1550 (600W) OAM; Open Ecosystem with oneAPI; GPU Memory Bandwidth: 3276.8 GB/s; Performance: 6.7 petaFLOPS FP16/BF16;
- 32x DIMM slots, ECC DDR5 up to 8TB and 4800MTS;

Form Factor	8U Rackmount Enclosure: 447 x 356 x 843mm (17.7" x 13.8" x 33.2") Package: 1300 x 700 x 750mm (51" x 27.6" x 29.5")
Processor	Dual Socket 4th Gen Intel® Xeon® Scalable processors Supports Intel Xeon CPU Max Series with high bandwidth memory (HBM) Up to 56C/112T; Up to 105MB Cache per CPU Supports up to 350W TDP CPUs (Air Cooled)
System Memory	Memory Capacity: 32 DIMM slots Up to 8TB: 32x 256 GB DRAM Memory Type: 4800MHz ECC DDR5 DRAM
Drive Bays	19x 2.5" hot-swap NVMe/SATA drive bays (16x 2.5" NVMe dedicated) 2 M.2 NVMe OR 2 M.2 SATA3 M-Key, 22110, 2280
Expansion Slots	8 PCIe 5.0 x16 LP slot(s) 4 PCIe 5.0 x16 FHHL slot(s)
On-Board Devices	Chipset: Intel® C741 Network Connectivity: 2x 10GbE BaseT with Intel® X550-AT2 (optional)
Input / Output	LAN: 1 RJ45 1GbE (Dedicated IPMI port) USB: 2 USB 3.2 Gen1 port(s) (2 Front_USB) Video: 1 VGA port(s)

System Cooling	Fans: 10 Removable heavy-duty 8CM Fan(s)

Power Supply	6x 3000W Redundant Titanium Level power supplies

System BIOS	BIOS Type: AMI 32MB SPI Flash EEPROM

PC Health Monitoring

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
CPU: 8+4 Phase-switching voltage regulator

Dimensions and Weight

Height: 13.8" (356 mm)
Width: 17.7" (447 mm)
Depth: 33.2" (843 mm)
Gross Weight: 196.21 lbs (89 kg)
Net Weight: 130.07 lbs (59 kg)
Packaging: 27.6" (H) x 51" (W) x 29.5" (D)
Available Color: Silver

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 X13DEG-PVC

Chassis	CSE-GP801TS-R000NPF