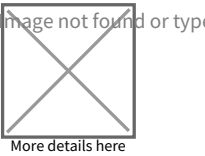


# GPU SuperServer SYS-221GE-NR



## Key Applications

High Performance Computing, AI/Deep Learning Training, Large Language Model (LLM) Natural Language Processing,

## Key Features

- High density 2U GPU system with up to 4 NVIDIA® H100 PCIe GPUs; PCIe-based H100 NVL with NVLink Support; Highest GPU communication using NVIDIA® NVLINK™;
- 32 DIMM slots; Up to 8TB: 32x 256 GB DRAM; Memory Type: 4800MHz ECC DDR5;
- 7 PCIe 5.0 x16 FHFL Slots;
- NVIDIA BlueField-3 Data Processing Unit Support for the most demanding accelerated computing workloads.;
- E1.S NVMe Storage Support;



|                  |                                                                                                                                                                  |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form Factor      | 2U Rackmount<br>Enclosure: 438.4 x 88 x 900mm (17.25" x 3.46" x 35.43")<br>Package: (22.5" x 11" x 45.5")                                                        |
| Processor        | Dual Socket E (LGA-4677)<br>4th Gen Intel® Xeon® Scalable Processors<br>Up to 56C/112T; Up to 112.5MB Cache per CPU<br>Supports up to 350W TDP CPUs (Air Cooled) |
| System Memory    | Memory Capacity: 32 DIMM slots<br>Up to 2TB: 32x 256 GB DRAM<br>Memory Type: 4800MHz ECC DDR5 DRAM                                                               |
| Drive Bays       | 16x E1.S hot-swap NVMe drive slots<br>2 M.2 NVMe OR 2 M.2 SATA3                                                                                                  |
| Expansion Slots  | 7 PCIe 5.0 x16 FHFL slot(s)                                                                                                                                      |
| On-Board Devices | Chipset: Intel® C741<br>Network Connectivity: 1x 10GbE BaseT with NVIDIA ConnectX®-7 or Bluefield®-3 DPU                                                         |
| Input / Output   | Video: 1 VGA port(s)                                                                                                                                             |

|                       |                                                                                                                                                                                                                                                                                                                           |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System Cooling        | 6 heavy duty fan(s)                                                                                                                                                                                                                                                                                                       |
| Power Supply          | 2000W Redundant Titanium Level power supplies                                                                                                                                                                                                                                                                             |
| System BIOS           | BIOS Type: AMI 32MB SPI Flash EEPROM                                                                                                                                                                                                                                                                                      |
| PC Health Monitoring  | CPU: Monitors for CPU Cores, Chipset Voltages, Memory<br>8+4 Phase-switching voltage regulator<br>FAN: Fans with tachometer monitoring<br>Status monitor for speed control<br>Pulse Width Modulated (PWM) fan connectors<br>Temperature: Monitoring for CPU and chassis environment<br>Thermal Control for fan connectors |
| Dimensions and Weight | Height: 3.46" (88 mm)<br>Width: 17.25" (438.4 mm)<br>Depth: 35.43" (900 mm)<br>Gross Weight: 86.5 lbs (39.2 kg)<br>Net Weight: 67.5 lbs (30.6 kg)<br>Packaging: 11" x 22.5" x 45.5"<br>Available Color: Black Front & Silver Body                                                                                         |
| Operating Environment | Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F)<br>Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)<br>Operating Relative Humidity: 8% to 90% (non-condensing)<br>Non-operating Relative Humidity: 5% to 95% (non-condensing)                                                                                   |
| Motherboard           | Super X13DEH                                                                                                                                                                                                                                                                                                              |
| Chassis               | CSE-GP201TS-R000NP                                                                                                                                                                                                                                                                                                        |