

## **GPU SuperServer SYS-221GE-NR**

DP Intel 2U PCIe GPU System with up to 4 NVIDIA H100, H100 NVL, or L40S

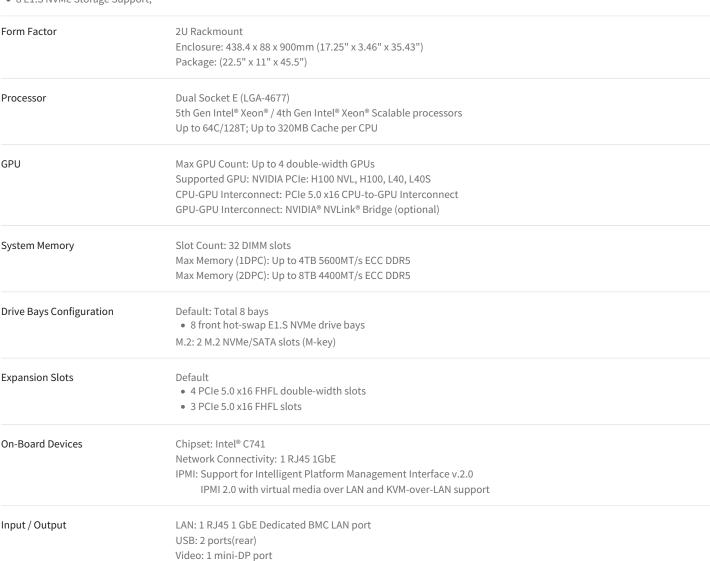


## **Key Applications**

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

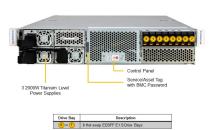
## **Key Features**

- High density 2U GPU system with up to 4 NVIDIA® PCIe GPUs Highest GPU communication using NVIDIA® NVLINK™ using PCIe-based H100 NVL with NVLink Support;
- 5th/4th Gen Intel® Xeon® Scalable processor support;
- 32 DIMM slots Up to 8TB: 32x 256 GB DRAM Memory Type: 5600MTs ECC DDR5:
- 7 PCIe 5.0 x16 FHFL Slots;
- NVIDIA BlueField-3 Data Processing Unit Support for the most demanding accelerated computing workloads.;
- 8 E1.S NVMe Storage Support;





(Front View - System)



(Rear View - System)



	Slot Description
00	PCle 5.0 x16 FHFL GPU
0 0	PCle 5.0 x16 FHFL GPU
0	PCle 5.0 x16 Networking/DPU
00	PCIe 5.0 x16 Networking/DPU

System Cooling	Fans: Up to 6x 6cm heavy duty fans with optimal fan speed control
	Air Shroud: 1 Air Shroud
Power Supply	3x 2000W Redundant Titanium Level (96%) power supplies
System BIOS	BIOS Type: AMI 32MB SPI Flash EEPROM
Management	Redfish API; Supermicro Server Manager (SSM); Supermicro Power Manager (SPM); Supermicro SuperDoctor® 5 (SD5); KVM with dedicated LAN; IPMI 2.0; OOB Management Package (SFT-OOB-LIC); SMCIPMITool; IPMIView
PC Health Monitoring	CPU: Monitors for CPU Cores, Chipset Voltages, Memory
	8+4 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	Weight: Gross Weight: 86.5 lbs (39.2 kg)
	Net Weight: 67.5 lbs (30.6 kg)
	Available Color: Black front & silver body
Operating Environment	Operating Temperature: 10°C to 35°C (50°F to 95°F)
	Non-operating Temperature: -30°C to 60°C (-22°F to 140°F)
	Operating Relative Humidity: 8% to 80% (max 21° DP; non-condensing)
	Non-operating Relative Humidity: 8% to 90% (max 38° DP; non-condensing)
Motherboard	Super X13DEH
Chassis	CSE-GP201TS-R000NP