

GPU SuperServer SYS-221GE-NR

DP Intel 2U PCIe GPU System with up to 4 NVIDIA H100, H100 NVL, L40S, or A100



More details here

Key Applications

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

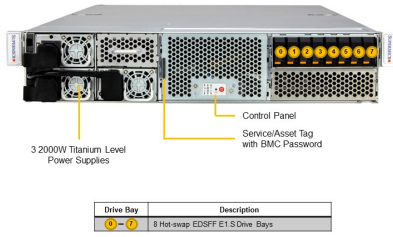
Key Features

- High density 2U GPU system with up to 4 NVIDIA® H100 PCIe GPUs
Highest GPU communication using NVIDIA® NVLINK™
PCIe-based H100 NVL with NVLink Support;
- 5th/4th Gen Intel® Xeon® Scalable processor support;
- 32DIMM slots Up to 4TB; 32x 256 GB DRAM Memory Type: 5600MT/s 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;

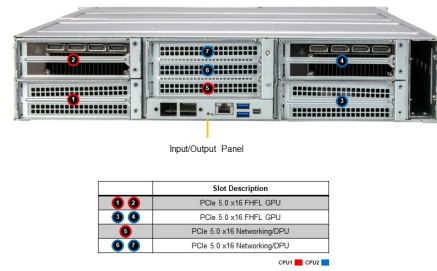


Form Factor	2U Rackmount Enclosure: 438.4 x 88 x 900mm (17.25" x 3.46" x 35.43") Package: (22.5" x 11" x 45.5")
Processor	Dual Socket E (LGA-4677) 5th Gen Intel® Xeon® / 4th Gen Intel® Xeon® Scalable processors Up to 56C/112T; Up to 112.5MB Cache per CPU
GPU	Max GPU Count: Up to 4 double-width GPU(s) Supported GPU: NVIDIA PCIe: H100 NVL, H100, L40S CPU-GPU Interconnect: PCIe 5.0 x16 CPU-to-GPU Interconnect GPU-GPU Interconnect: NVIDIA® NVLink® Bridge (optional)
System Memory	Slot Count: 32 DIMM slots Max Memory (1DPC): Up to 4TB 5600MT/s ECC DDR5 Max Memory (2DPC): Up to 8TB 4400MT/s ECC DDR5
Drive Bays Configuration	Default: Total 8 bay(s) • 8 front hot-swap E1.S NVMe drive bay(s) M.2: 2 M.2 NVMe/SATA slot(s) (M-key)
Expansion Slots	Default • 7 PCIe 4.0 x16 FHFL slot(s)
On-Board Devices	Chipset: Intel® C741 Network Connectivity: 1 RJ45 1GbE
Input / Output	1 mini-DP port(s)

(Front View – System)



(Rear View – System)



System Cooling	Fans: 6 heavy duty fans with optimal fan speed control Air Shroud: 1 Air Shroud(s) Liquid Cooling: Direct to Chip (D2C) Cold Plate (optional)
Power Supply	1x 2000W Redundant Titanium Level power supply
System BIOS	BIOS Type: AMI 32MB SPI Flash EEPROM
Management	SuperCloud Composer; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); SuperDoctor® 5; Super Diagnostics Offline ; TAS: Supermicro Thin-Agent Service (TAS); SAA(new!)
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 ~ 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	<u>Super X13DEH</u>
Chassis	CSE-GP201TS-R000NP