

# GPU SuperServer SYS-821GE-TNHR



More details here

## Key Applications

High Performance Computing, AI/Deep Learning Training, Industrial Automation, Retail, Healthcare, Conversational AI, Business Intelligence & Analytics, Drug Discovery, Climate and Weather Modeling, Finance & Economics,

## Key Features

- 5th/4th Gen Intel® Xeon® Scalable processor support;
- 32 DIMM slots Up to 8TB: 32x 256 GB DRAM Memory Type: 5600MTs ECC DDR5;
- 8 PCIe Gen 5.0 X16 LP; 2 PCIe Gen 5.0 X16 FHHL Slots, 2 PCIe Gen 5.0 X16 FHHL Slots (optional);
- Flexible networking options;
- Optional: 8x 2.5" Hot-swap SATA drive bays; 16x 2.5" Hot-swap NVMe drive bays (12x by default, 4x optional); 2 M.2 NVMe for boot drive only; 3x 2.5" Hot-swap SATA drive bays;
- 10 heavy duty fans with optimal fan speed control;
- 6x 3000W (4+2) Redundant Power Supplies, Titanium Level; Optional: 8x 3000W (4+4) Redundant Power Supplies, Titanium Level;



<b>Form Factor</b>	8U Rackmount Enclosure: 437 x 355.6 x 843.28mm (17.2" x 14" x 33.2") Package: 698 x 750 x 1300mm (27.5" x 29.5" x 51.2")
<b>Processor</b>	Dual Socket E (LGA-4677) 5th Gen Intel® Xeon®/4th Gen Intel® Xeon® Scalable processors Up to 64C/128T; Up to 320MB Cache per CPU
<b>GPU</b>	Max GPU Count: Up to 8 onboard GPU(s) Supported GPU: NVIDIA SXM: HGX H100 8-GPU (80GB) CPU-GPU Interconnect: PCIe 5.0 x16 CPU-to-GPU Interconnect GPU-GPU Interconnect: NVIDIA® NVLink® with NVSwitch™
<b>System Memory</b>	Slot Count: 32 DIMM slots Max Memory (1DPC): Up to 4TB 5600MT/s ECC DDR5 RDIMM Max Memory (2DPC): Up to 8TB 4400MT/s ECC DDR5 RDIMM
<b>Drive Bays</b>	19x 2.5" hot-swap NVMe/SATA drive bays (16x 2.5" NVMe dedicated) 2 M.2 NVMe
<b>Expansion Slots</b>	8 PCIe 5.0 x16 LP slot(s) 4 PCIe 5.0 x16 FHHL slot(s)
<b>On-Board Devices</b>	Chipset: Intel® C741 Network Connectivity: 2x 10GbE BaseT with Intel® X550-AT2 (optional) 2x 25GbE SFP28 with Broadcom® BCM57414 (optional) 2x 10GbE BaseT with Intel® X710-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
<b>Input / Output</b>	Video: 1 VGA port(s)

