



[More details here](#)

GPU SuperServer SYS-821GE-TNHR

Key Applications

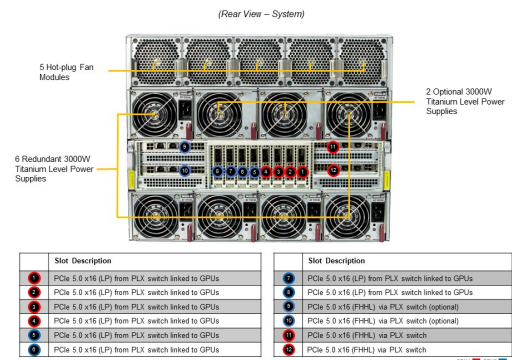
High Performance Computing, AI/Deep Learning Training, Industrial Automation, Retail, Healthcare, Conversational AI, Business Intelligence & Analytics, Drug Discovery, Climate and Weather Modeling, Finance & Economics,

Key Features

- 32 DIMM slots Up to 8TB: 32x 256 GB DRAM Memory Type: 4800MHz 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;
- 3x 2.5" Hot-swap SATA drive bays; 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;
- 10 heavy duty fans with optimal fan speed control;
- Optional: 8x 3000W (4+4) Redundant Power Supplies, Titanium Level; 6x 3000W (3+3) Redundant Power Supplies, Titanium Level;



Form Factor	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")
Processor	Dual Socket E (LGA-4677) 4th Gen Intel® Xeon® Scalable processors Supports up to 350W TDP CPUs (Air Cooled) Supports up to 350W TDP CPUs (Liquid Cooled)
GPU	Supported GPU: HGX H100 8-GPU SXM5 Multi-GPU Board CPU-GPU Interconnect: PCIe 5.0 x16 CPU-to-GPU Interconnect GPU-GPU Interconnect: NVIDIA® NVLink™ with NVSwitch™
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
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) 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
Input / Output	Video: 1 VGA port(s)



©2023 Copyright Super Micro Computer, Inc. All rights reserved. *Product specifications may change without notice