



PRE-CONFIGURED BY ARC COMPUTE

Supermicro's NVIDIA HGX H200 System

GPU SuperServer SYS-821GE-TNHR

OVERVIEW

Supermicro's NVIDIA HGX H200 8U systems bring next-generation performance for high-end AI, HPC, data analytics, and large-scale deep learning. Built on the proven NVIDIA HGX GPU architecture and powered by 8x NVIDIA H200 SXM GPUs, these servers deliver extraordinary compute density, scalable NVLink bandwidth, and robust CPU performance from 2x Intel Xeon processors—all in an efficient 8U form factor.

SYSTEM SPECIFICATION

Form Factor

- SYS-821GE-TNHR 8U Rackmount
 - Measurements: 437 x 355.6 x 843.28mm (17.2" x 14" x 33.2")
 - Gross Weight: 225 lbs (102.1 kg)

GPU

- 8x onboard GPUs: H200 SXM (141GB)
 - CPU-GPU Interconnect: PCIe 5.0 x16 CPU-to-GPU Interconnect
 - GPU-GPU Interconnect: NVIDIA® NVLink® with NVSwitch™

Processors

- 2x 5th Gen Intel® Xeon® Platinum 8558P Processors
 - 48 Cores, 97 Threads, 260M Cache, 2.70 GHz, 350 W

System Memory

- 32x MEM-DR564MC-ER48 64GB DDR5-4800 2RX4 (16Gb) RDIMM

Storage

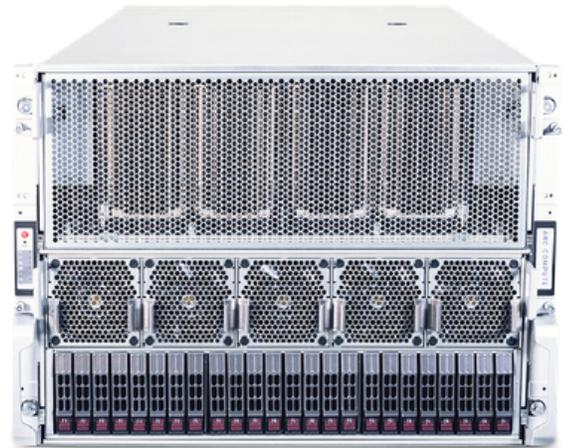
- 8x SSD 2.5" NVMe PCIe4 3.8TB 1DWPD TLC D, 15mm
- 1x SSD M.2 NVMe PCIe4 960GB 1DWPD TLC D, 80mm

Networking

- 8x NVIDIA ConnectX-7 400G NIC IB/ETH
- 1x NVIDIA ConnectX-6 100GbE NIC

Warranty

- 3-Year Labour, 3-Year Parts, 1-Year Advanced Cross-Ship Under Limited Warranty
 - On-Site NBD Service (available at additional cost)



PRIMARY USE CASES

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

WORK WITH US

Expert Guidance: Our team specializes in AI, HPC, and data analytics and can tailor solutions to your exact needs.

Turnkey Deployment: We work with OEMs to streamline installation, configuration, and workload migration.

Superior Support: Global reach and top-tier customer service keep your systems running at peak performance.