GPU SuperServer SYS-421GU-TNXR

DP Intel 4U Universal GPU System with NVIDIA HGX™ H200 4-GPU

More details here

Key Applications

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

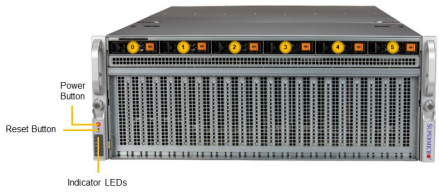
Key Features

- 32 DIMM slots Up to 8TB: 32x 256 GB DRAM Memory Type: 4800MHz ECC DDR5
  32 DIMM slots Up to 8TB: 32x 256 GB DRAM Memory Type: 5600MTs ECC DDR5;
- 8 PCIe Gen 5.0 X16 LP Slots;
- Flexible networking options;
- 2 M.2 NVMe and SATA for boot drive only
  6x 2.5" Hot-swap NVMe/SATA/SAS drive bays;

Form Factor	4U Rackmount Enclosure: 449 x 175.6 x 833mm (17.67" x 7" x 32.79") Package: 700 x 370 x 1260mm (27.55" x 14.57" x 49.6")
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: 4 onboard GPUs Supported GPU: NVIDIA SXM: HGX H100 4-GPU (80GB), HGX H200 4-GPU (141GB) CPU-GPU Interconnect: PCIe 5.0 x16 CPU-to-GPU Interconnect GPU-GPU Interconnect: NVIDIA® NVLink™
System Memory	Slot Count: 32 DIMM slots Max Memory (2DPC): Up to 8TB 5600MT/s ECC DDR5
Drive Bays Configuration	Default: Total 6 bays • 6 front hot-swap 2.5" NVMe/SATA drive bays M.2: 2 M.2 NVMe/SATA slots (M-key)
Expansion Slots	Default • 1 PCIe 5.0 x16 LP slot • 7 PCIe 5.0 x16 LP slots
On-Board Devices	2 RJ45 10GbE with Intel® X710-AT2
Input / Output	1 VGA port

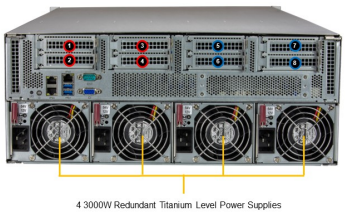
©2026 Copyright Super Micro Computer, Inc. All rights reserved. *Product specifications may change without notice

(Front View – System)



Drive Bay	Description
0 – 5	6 Hot-swap 2.5" NVMe/SATA3 Drive Bays

(Rear View – System)



	Slot Description
1 - 4	PCIe 5.0 x16 (LP) from PLX1
5 - 8	PCIe 5.0 x16 (LP) from PLX2

CPU1 CPU2

System Cooling	Fans: Up to 5 heavy duty fans with optimal fan speed control Air Shroud: 1 Air Shroud Liquid Cooling: Direct to Chip (D2C) Cold Plate (optional)
Power Supply	4x 3000W Redundant Titanium Level (96%) power supplies
System BIOS	BIOS Type: AMI 32MB SPI Flash EEPROM
Management	SuperCloud Composer® (SCC); Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); Supermicro SuperDoctor® 5 (SD5); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); SuperServer Automation Assistant (SAA) New!
PC Health Monitoring	CPU: 8+4 Phase-switching voltage regulator Monitors for CPU Cores, Chipset Voltages, Memory Fan: Fans with tachometer monitoring Pulse Width Modulated (PWM) fan connectors Status monitor for speed control Temperature: Monitoring for CPU and chassis environment Thermal Control for fan connectors
Dimensions and Weight	Weight: Gross Weight: 140 lbs (64 kg) Net Weight: 105 lbs (48 kg) Available Color: Black Front & Silver Body
Operating Environment	Operating Temperature: 10°C to 35°C (50°F to 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	**Super X13DGU**
Chassis	**CSE-458GTS-R3K06P**

©2026 Copyright Super Micro Computer, Inc. All rights reserved. *Product specifications may change without notice