GPU SuperServer SYS-421GU-TNXR

Universal 4U Dual Processor (4th and 5th Gen Intel Scalable Processors) GPU System with NVIDIA HGX™ H100 4-GPU SXM5 board, NVLINK™ GPU-GPU Interconnect, and Redundant 3000W Titanium Level Power Supplies.

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;

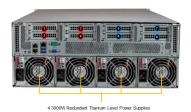|	
Form Factor	4U Rackmount Enclosure: 449 x 175.6 x 833mm (17.67" x 7" x 32.79") Package: 700 x 370 x 1260mm (27.55" x 14.57" x 49.6")
Processor	Dual Socket E (LGA-4677) 5th Gen Intel® Xeon®/4th Gen Intel® Xeon® Scalable processors Up to 56C/112T; Up to 112.5MB Cache per CPU
GPU	Max GPU Count: Up to 4 onboard GPU(s) Supported GPU: NVIDIA SXM: HGX H100 4-GPU (80GB) 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	6x 2.5" hot-swap NVMe/SATA drive bays (6x 2.5" NVMe hybrid) 2 M.2 NVMe OR 2 M.2 SATA3
Expansion Slots	1 PCIe 5.0 x16 LP slot(s) 7 PCIe 5.0 X16 slot(s)
On-Board Devices	Chipset: Intel® C741 Network Connectivity: 2x 10GbE BaseT with Intel® X710-AT2 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)

(Front View – System)

(Rear View – System)

Power Button

Reset Button

Indicator LEDs

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

4 3000W Redundant Titanium Level Power Supplies

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: 5 heavy duty fans with optimal fan speed control Air Shroud: 1 Air Shroud(s) Liquid Cooling: 1Direct to Chip (D2C) Cold Plate (optional)
Power Supply	4x 3000W Redundant Titanium Level power supplies
System BIOS	BIOS Type: AMI 32MB SPI Flash EEPROM
Management	Redfish API; Supermicro Server Manager (SSM); Supermicro Power Manager (SPM); Supermicro Update Manager (SUM); SuperDoctor® 5; Super Diagnostics Offline ; KVM with dedicated LAN ; IPMI 2.0

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	Height: 7" (175.6 mm) Width: 17.67" (449 mm) Depth: 32.79" (833 mm) Gross Weight: 140 lbs (64 kg) Net Weight: 105 lbs (48 kg) Packaging: 14.57" (H) x 27.55" (W) x 49.6" (D) 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	[Super X13DGU](#)
Chassis	CSE-458GTS-R3K06P