

## **GPU SuperServer SYS-421GU-TNXR**

DP Intel 4U Universal GPU System with NVIDIA HGX H100 4-GPU



## **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;



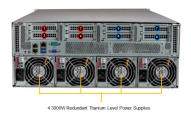
Form Factor	4U Rackmount Enclosure: 449 x 175.6 x 833mm (17.67" x 7" x 32.79") Package: 700 x 370 x 1260mm (27.55" x 14.57" x 49.6")
Processor	Dual Socket E (LGA-4677)  5th Gen Intel® Xeon® / 4th Gen Intel® Xeon® Scalable processors Up to 56C/112T; Up to 112.5MB Cache per CPU
GPU	Max GPU Count: Up to 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 Configuration	Default: Total 6 bay(s)  • 6 front hot-swap 2.5" NVMe/SATA drive bay(s)  M.2: 2 M.2 NVMe/SATA slot(s) (M-key)
Expansion Slots	Default • 1 PCIe 5.0 x16 LP slot(s) • 7 PCIe 5.0 x16 LP slot(s)
On-Board Devices	Chipset: Intel® C741 Network Connectivity: 2 RJ45 10GbE with Intel® X710-AT2
Input / Output	1 VGA port(s)



(Front View - System)



(Rear View - System)





System Cooling	Fans: 5 heavy duty fans with optimal fan speed control
	Air Shroud: 1 Air Shroud(s)
	Liquid Cooling: Direct 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	SuperCloud Composer; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); SuperDoctor® 5; Super Diagnostics Offline; TAS: Supermicro Thin-Agent Service (TAS); SAA(new!)
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	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 ~ 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