

GPU SuperServer SYS-741GE-TNRT



More details here

Key Applications

High Performance Computing, VDI, AI/Deep Learning Training, Media/Video Streaming, Cloud Gaming, Animation and Modeling, Design & Visualization, 3D Rendering, Diagnostic Imaging, AI Training,

Key Features

- 4th Gen Intel® Xeon® Scalable processor support, including Xeon® CPU MAX Series;
- 16 DIMM slots Up to 4TB: 16x 256 GB DRAM Memory Type: 4800MHz ECC DDR5;
- Up to 4x double width, full length GPUs; 4x PCIe 5.0 x16 (double-width) slots, 3x PCIe 5.0 x16 (single-width) slots;
- Total 8x 3.5" Hot-swap SATA/NVMe/SAS drive bays; 2x M.2 NVMe for boot drive only; Up to 8x NVMe drives (8 NVMe drives supported by default);
- 4 Removable heavy duty fans w/ Optimal Fan Speed Control;
- 2x 2000W (1+1) Redundant Power Supplies, Titanium Level;



Form Factor	Tower Enclosure: 437 x 178 x 737mm (17.2" x 7" x 29") Package: 330.2 x 685.8 x 965.2mm (13" x 27" x 38")
Processor	Dual Socket E (LGA-4677) 4th Gen Intel® Xeon® Scalable processors
GPU	Supported GPU: AMD PCIe: Instinct MI210 NVIDIA PCIe: H100, RTX 6000 ADA, L40S, A100, L40, RTX A6000, RTX A4000, L4, A30, RTX A5500 CPU-GPU Interconnect: PCIe 5.0 x16 CPU-to-GPU Interconnect GPU-GPU Interconnect: NVIDIA® NVLink® Bridge (optional)
System Memory	Memory Capacity: 16 DIMM slots Up to 4TB: 16x 256 GB DRAM Memory Type: 4800MHz ECC DDR5 DRAM
Drive Bays	8x 3.5" hot-swap NVMe/SATA/SAS drive bays (8x 2.5" NVMe hybrid) 2 M.2 NVMe
Expansion Slots	7 PCIe 5.0 x16 FHFL slot(s)
On-Board Devices	SATA: SATA3 (6Gbps); RAID 0/1/5/10 support Chipset: Intel® C741 Network Connectivity: 2x 10GbE BaseT with Intel® X550-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)



System Cooling	Fans: 4 heavy duty fans with optimal fan speed control
Power Supply	2000W 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	<p>CPU: Monitors for CPU Cores, Chipset Voltages, Memory 8+4 Phase-switching voltage regulator</p> <p>FAN: Fans with tachometer monitoring Status monitor for speed control Pulse Width Modulated (PWM) fan connectors</p> <p>Temperature: Monitoring for CPU and chassis environment Thermal Control for fan connectors</p>
Dimensions and Weight	<p>Height: 7" (178 mm)</p> <p>Width: 17.2" (437 mm)</p> <p>Depth: 29" (737 mm)</p> <p>Gross Weight: 62 lbs (28.1 kg)</p> <p>Net Weight: 46 lbs (20.9 kg)</p> <p>Packaging: 27" (H) x 13" (W) x 38" (D)</p> <p>Available Color: Black Front & Silver Body</p>
Operating Environment	<p>Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F)</p> <p>Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)</p> <p>Operating Relative Humidity: 8% to 90% (non-condensing)</p> <p>Non-operating Relative Humidity: 5% to 95% (non-condensing)</p>
Motherboard	Super X13DEG-QT
Chassis	CSE-749TS-R2K05BP