

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;
- 2x M.2 NVMe for boot drive only; Up to 8x NVMe drives (8 NVMe drives supported by default); Total 8x 3.5" Hot-swap SATA/NVMe/SAS drive bays;
- 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	4th Gen Intel® Xeon® Scalable processors Dual Socket LGA-4677 (Socket E) supported (Supports up to 350W TDP CPUs (Aircooled))
GPU	Supported GPU: GPU-NVH100-80,GPU-NVA100-80-NC,GPU-NVA30-NC,GPU-NVQRTX-A6000 CPU-GPU Interconnect: PCIe 5.0 x16 CPU-to-GPU Interconnect GPU-GPU Interconnect: NVIDIA® NVLink™ Bridge (optional)
System Memory	16 DIMM slots Up to 4TB ECC RDIMM, DDR5-4800MHz
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	USB: 2 USB 3.2 Gen1x2; port(s) (2 Front_USB) 3 USB 3.2 Gen1 port(s) (3 Rear_USB) 1 USB 3.2 Gen2x1 (Type C) port(s) (1 Rear_USB) Video: 1 VGA port(s)



System Cooling	4 heavy duty fan(s)
Power Supply	1U 2000W Redundant Titanium AC Power supply, 73.5x40x265mm, CRPS Dimension (W x H x L): 73.5 x 40 x 265 mm Output Type: 25 Pairs Gold Finger Connector
System BIOS	BIOS Type: AMI 32MB SPI Flash EEPROM
Management	SuperDoctor® 5; Watch Dog; NMI; SUM; KVM with dedicated LAN; SPM; Intel® Node Manager; SSM; IPMI 2.0; Redfish API; OOB Management Package (SFT-OOB-LIC)
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" (178 mm) Width: 17.2" (437 mm) Depth: 29" (737 mm) Gross Weight: 62 lbs (28.1 kg) Net Weight: 46 lbs (20.9 kg) Packaging: 27" (H) x 13" (W) x 38" (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 X13DEG-QT
Chassis	CSE-749TS-R2K05BP