

GPU SuperServer SYS-741GE-TNRT

DP Intel Workstation with up to 4 NVIDIA H100 or A100 PCIe GPUs



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,

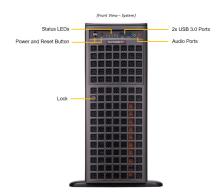
Key Features

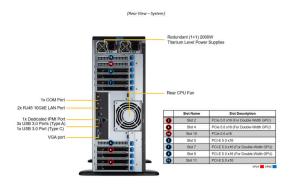
- 5th/4th Gen Intel® Xeon® Scalable processor support;
- 16 DIMM slots Up to 4TB: 16x 256 GB DRAM Memory Type: 5600MTs ECC DDR5:
- Up to 4x double width, full length GPUs 4x PCIe 5.0 x16 (double-width) slots, 3x PCIe 5.0 x16 (single-width) slots;
- Total 8x 3.5" Hot-swap SATA/NVMe/SAS drive bays 2x M.2 NVMe for boot drive only
 - Up to 8x NVMe drives (8 NVMe drives supported by default);
- $\bullet \ \ {\tt 4\,Removable\,heavy\,duty\,fans\,w/\,Optimal\,Fan\,Speed\,Control;}\\$
- 2x 2000W (1+1) Redundant Power Supplies, Titanium Level;



Form Factor	Tower Rackmount
	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)
	5th Gen Intel® Xeon® / 4th Gen Intel® Xeon® Scalable processors
	Up to 64C/128T; Up to 320MB Cache per CPU
GPU	Max GPU Count: Up to 4 double-width or 4 single-width GPUs
	Supported GPU:
	NVIDIA PCIe: H100 NVL, H100, RTX 4000 Ada Generation, L40, RTX A5500, RTX A6000, RTX A4000, RTX 6000 Ada
	Generation, L40S, L4, A30, A100
	AMD PCIe: Instinct™ MI210
	CPU-GPU Interconnect: PCIe 5.0 x16 CPU-to-GPU Interconnect
	GPU-GPU Interconnect: NVIDIA® NVLink® Bridge (optional)
System Memory	Slot Count: 16 DIMM slots
	Max Memory (1DPC): Up to 2TB 5600MT/s ECC DDR5 RDIMM
	Max Memory (2DPC): Up to 4TB 4400MT/s ECC DDR5 RDIMM
Drive Bays Configuration	Default: Total 8 bays
	• 8 front hot-swap 3.5" NVMe/SAS/SATA drive bays
	Option A: Total 8 bays
	• 8 front hot-swap 2.5" NVMe/SAS/SATA drive bays
	M.2: 2 M.2 NVMe slots (M-key)
Expansion Slots	PCI-Express (PCIe) Configuration: Default
	• 7 PCIe 5.0 x16 FHFL slots
	M.2: 2 M.2 PCIe 5.0 x4 NVMe slots (M-key)
On-Board Devices	SATA: SATA (6Gbps)
	Chipset: Intel® C741
	Network Connectivity: 2 RJ45 10GbE with Intel® X550-AT2
Input / Output	Video: 1 VGA port(Rear)
	Serial: 1 COM port(rear)
	Audio: Front Audio
	TPM: 1 TPM Onboard/port 80
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System Cooling	Fans: 4 heavy duty fans with optimal fan speed control
Power Supply	2x 2000W Redundant (1 + 1) Titanium Level (96%) power supplies
System BIOS	BIOS Type: AMI 32MB SPI Flash EEPROM
Management	SuperCloud Composer®; 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: 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: 62 lbs (28.1 kg) Net Weight: 46 lbs (20.9 kg) Available Color: Black Front & Silver Body
Operating Environment	RoHS Compliant Operating Temperature: 10°C to 35°C (50°F to 95°F) Non-operating Temperature: -30°C to 60°C (-22°F to 140°F) Operating Relative Humidity: 8% to 80% (non-condensing) Non-operating Relative Humidity: 8% to 90% (non-condensing)
Motherboard	Super X13DEG-QT
Chassis	CSE-749TS-R2K05BP