

GPU SuperServer SYS-740GP-TNRT

4U Rackmountable Tower Dual Processor (3rd Gen Intel® Xeon®) Workstation with 4 PCIe GPUs



More details here

Key Applications

Scientific Virtualization, High Performance Computing, Rendering, AI/Deep Learning Training,

Key Features

- Dual Socket P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable Processors;
- Intel® C621A Chipset;
- 16 DIMM Slots; Up to 4TB DRAM; Up to 4TB Intel® Optane™ Persistent Memory (up to 6TB with DRAM) ; 3200/2933/2666 ECC DDR4 LRDIMM;RDIMM; Intel® Optane™ Persistent Memory 200 series;
- 1 PCIe 4.0 x8 LP; 4 PCIe 4.0 x16 (double-width) slots, 2 PCIe 4.0 x16 (single-width) slots,;
- 2 M.2 NVMe or SATA for boot drive only; Total 8x 3.5" Hot-swap drive bays; Up to 8 NVMe drives (4 NVMe drives supported by default);
- 4 Removable heavy duty fans w/ Optimal Fan Speed Control;
- 2x 2200W redundant Titanium level power supplies;



Form Factor	Full-Tower Rackmount Enclosure: 178 x 460 x 673mm (7" x 18.1" x 26.5") Package: 685.8 x 322.6 x 952.5mm (27" x 12.7" x 37.5")
Processor	3rd Gen Intel® Xeon® Scalable processors Dual Socket LGA-4189 (Socket P+) supported TDP up to 270W; 3 UPI
GPU	Supported GPU: NVIDIA A100,A40, and RTX A6000 CPU-GPU Interconnect: PCIe 4.0 x16 CPU-to-GPU Interconnect GPU-GPU Interconnect: PCIe
System Memory	16 DIMM slots Up to 4TB ECC LRDIMM, DDR4-3200MHz
Drive Bays	8x 3.5" hot-swap NVMe/SATA/SAS Support drive bays (10x 2.5" NVMe dedicated) 2 M.2 NVMe OR 2 M.2 SATA3
Expansion Slots	4 PCIe 4.0 x16 FHFL slot(s) 2 PCIe 4.0 x16 LP slot(s) 1 PCIe 4.0 x8 LP slot(s)
On-Board Devices	SATA: SATA3 (6Gbps); RAID 0/1/5/10 support Chipset: Intel® C621A 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	4 heavy duty fan(s)
Power Supply	1U 2200W Titanium Redundant Power Supply W/PMbus Dimension (W x H x L): 76 x 40 x 336 mm Output Type: 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 7 +1 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: 18.1" (460 mm) Width: 7" (178 mm) Depth: 26.5" (673 mm) Gross Weight: 57 lbs (25.85 kg) Net Weight: 52.9 lbs (24 kg) Packaging: 12.7" (H) x 27" (W) x 37.5" (D) Available Color: black
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 X12DPG-QT6
Chassis	CSE-747BTS-R2K20BP