

GPU SuperServer SYS-740GP-TNRT

DP Intel, Tower Workstation with 4 GPUs



more details n

Key Applications

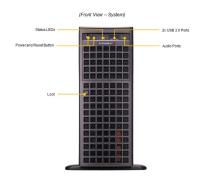
Scientific Virtualization, High Performance Computing, Rendering, AI/Deep Learning Training,

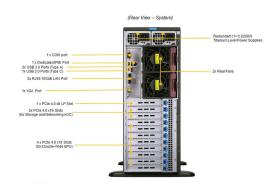
Key Features

- Dual Socket P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable Processors;
- Intel® C621A Chipset;
- 16 DIMM Slots; Up to 4TB DRAM; Up to 6TB Intel® Optane™ Persistent Memory; 3200/2933/2666 ECC DDR4 LRDIMM;RDIMM; Intel® Optane™ Persistent Memory 200 series;
- 4 PCle 4.0 x16 (double-width) slots, 2 PCle 4.0 x16 (single-width) slots, 1 PCle 4.0 x8 LP;
- Total 8x 3.5" Hot-swap drive bays
 Up to 8 NVMe drives (4 NVMe drives supported by default)
 2 M.2 NVMe or SATA for boot drive only;
- 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	Dual Socket P+ (LGA-4189)
	3rd Gen Intel® Xeon® Scalable processors
	Up to 40C/80T; Up to 60MB Cache per CPU
GPU	Max GPU Count: Up to 4 double-width or 6 single-width GPU(s)
	Supported GPU: NVIDIA PCIe: A40, RTX A6000, RTX A5000, RTX A4500, RTX A4000, A40, A30, A16, A100, A10
	CPU-GPU Interconnect: PCle 4.0 x16 CPU-to-GPU Interconnect
	GPU-GPU Interconnect: PCIe
System Memory	Slot Count: 16 DIMM slots
	Max Memory (2DPC): Up to 4TB 3200MT/s ECC DDR4 RDIMM/LRDIMM
	Supports Intel® Optane™ persistent memory 200 series
Drive Bays Configuration	Default: Total 8 bay(s)
	 4 front hot-swap 3.5" SAS/SATA drive bay(s)
	 4 front hot-swap 3.5" NVMe/SAS/SATA drive bay(s)
	M.2: 2 M.2 NVMe/SATA slot(s) (M-key)
	Peripheral Bays: 3 5.25" peripheral bay(s)
Expansion Slots	Default
	• 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: SATA (6Gbps); RAID 0/1/5/10 support
	Chipset: Intel® C621A
	Network Connectivity: 2 RJ45 10GbE with Intel® X550-AT2
Input / Output	1 VGA port(s)







System Cooling	Fans: 4 heavy duty fans with optimal fan speed control
Power Supply	1x 2200W Redundant Titanium Level power supply
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 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	Weight: Gross Weight: 57 lbs (25.85 kg) Net Weight: 52.9 lbs (24 kg) 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