

Mainstream SuperServer SYS-741P-TRT

DP 4U rackmount tower workstation with 10GbE for virtualization and enterprise server applications



Key Applications

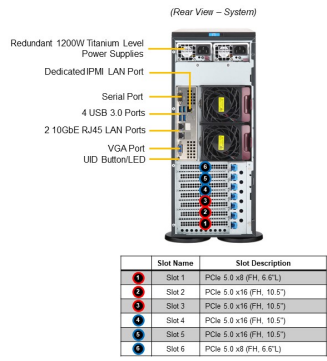
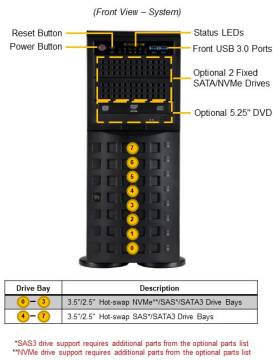
Virtualization, Enterprise Server, Application and data serving, Compute Intensive Applications,

Key Features

- Dual Socket E (LGA-4677) 5th/4th Gen Intel® Xeon® Scalable processors,supports up to 300W TDP;
- 16 DIMM slots, Up to 4TB DDR5-5600MHZ/4800MHz ECC Registered RDIMM;
- 4 PCIe 5.0 x16 full height slot(s), 2 PCIe 5.0 x8 full height slot(s);
- 1200W Redundant Titanium level Power Supplies;



Form Factor	Tower/4U Rackmount Enclosure: 178 x 452 x 647mm (7" x 17.8" x 25.5") Package: 356 x 625 x 795mm (14" x 24.6" x 31.3")
Processor	Dual Socket E (LGA-4677) 5th Gen Intel® Xeon®4th Gen Intel® Xeon® Scalable processors
GPU	Max GPU Count: Up to 2 double-width or 2 single-width GPUs Supported GPU: NVIDIA PCIe: H100 NVL, A1000, A16, A2, L4, L40S, NVIDIA RTX PRO™ 4000 Blackwell, NVIDIA RTX PRO™ 6000 Blackwell Max-Q Workstation Edition, NVIDIA RTX PRO™ 6000 Blackwell Workstation Edition, RTX 2000 Ada, RTX 4000 SFF Ada Generation, RTX 4500 Ada, RTX 5000 Ada, RTX 6000 Ada Generation, RTX A2000, RTX A4000, T1000
System Memory	Slot Count: 16 DIMM slots Max Memory (1DPC): Up to 4TB 5600MT/s ECC DDR5 RDIMM
Drive Bays Configuration	Default: Total 8 bays • 4 front hot-swap 3.5" NVMe*/SAS*/SATA drive bays • 4 front hot-swap 3.5" SAS*/SATA drive bays Option A: Total 8 bays • 4 front hot-swap 2.5" NVMe*/SAS*/SATA drive bays • 4 front hot-swap 2.5" SAS*/SATA drive bays (*NVMe/SAS support may require additional storage controller and/or cables, please see the optional parts list for details) M.2: 2 M.2 NVMe slots (M-key) Peripheral Bays: 3 5.25" DVD bays (optional)
Expansion Slots	PCI-Express (PCIe) Configuration: Default • 2 PCIe 5.0 x8 FHFL slots • 4 PCIe 5.0 x16 FHFL slots M.2: 2 M.2 PCIe 4.0 x2 NVMe slots (M-key)
On-Board Devices	SATA: SATA (6Gbps) Chipset: Intel® C741 Network Connectivity: 2 RJ45 10GbE
Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port USB: 2 USB 3.0 ports(front) 4 USB 3.0 ports(rear) Video: 1 VGA port Serial: 1 COM port(rear) DOM: 2 SuperDOM (Disk on Module) ports



System Cooling	Fans: Up to 3 middle Fan(s) Up to 2 rear Fan(s)
Power Supply	2x 1200W Redundant (1 + 1) Titanium Level (96%) Hot-plug 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 FAN: Fans with tachometer monitoring Pulse Width Modulated (PWM) fan connectors Status monitor for speed control Temperature: Monitoring for CPU and chassis environment Thermal Control for fan connectors
Dimensions and Weight	Weight: Gross Weight: 73.5 lbs (33.9 kg) Net Weight: 56 lbs (25.9 kg) Available Color: Black
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 X13DEI-T
Chassis	CSE-745BTS-R1K23BP