

SuperWorkstation SYS-741A-T

DP full rackmount tower workstation for 3D design and content creation



Key Applications

Virtualization, High Performance Computing, VDI, Al Inference and Machine Learning, CDN Optimized, CAD, Multimedia/Digital Content creation, Animation and Modeling, 3D Rendering,

Key Features

 Dual 5th/4th Gen Intel® Xeon® Scalable processors up to 350W with air cooling

Supports CXL;

- 16x DIMM Slots: up to 4TB RDIMM DDR5 ECC with 5600MT/s;
- Support for up to 2x double-width PCIe GPU accelerator cards
 5 PCIe 5.0 x16 FHFL + 1 PCIe 5.0 x8 FHHL slots
 NVIDIA RTX PRO™ 6000 Blackwell Max-Q Workstation Edition supported;
- 2x PCle5.0 M.2 2280/22110
 Default: 8x hot-swap front 3.5/2.5" NVMe/SATA drive bays
 Optional: 8x 24G SAS4 HW RAID support with additional add-on card and cables:

Default

5 PCIe 5.0 x16 FHFL slots1 PCIe 5.0 x8 FHHL slot

Chipset: Intel® C741

SATA: SATA (6Gbps); RAID 0/1/5/10 support

Network Connectivity: 2 RJ45 10GbE

• 2x 10GbE LAN (BMC shared LAN support with first LAN port)
Onboard Trusted Platform Module (TPM) 2.0;



2x 1200W Redundant (1 + 1) Titanium Level (96%) power supplies;		
Form Factor	4U Tower 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	
	Up to 64C/128T; Up to 320MB Cache per CPU	
GPU	Max GPU Count: Up to 2 double-width GPUs	
	Supported GPU:	
	NVIDIA PCIe: NVIDIA RTX PRO™ 6000 Blackwell Workstation Edition, NVIDIA RTX PRO™ 6000 Blackwell Max-Q	
	Workstation Edition, RTX 5000 Ada, RTX 4000 SFF Ada Generation, RTX 4000 Ada Generation, RTX 6000 Ada	
	Generation	
	CPU-GPU Interconnect: PCIe 5.0 x16 CPU-to-GPU Interconnect	
	GPU-GPU Interconnect: PCIe	
System Memory	Slot Count: 16 DIMM slots	
	Max Memory (1DPC): Up to 2TB 5600MT/s ECC DDR5 RDIMM	
Drive Bays Configuration	Default: Total 8 bays	
	• 8 front fixed 3.5"/2.5" NVMe/SAS*/SATA drive bays	
	Option A: Total 16 bays	
	• 8 front fixed 3.5"/2.5" 24G SAS*/SAS/SATA drive bays	
	 8 front fixed 2.5" 24G SAS*/NVMe*/SAS/SATA drive bays 	
	(*24G SAS/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/SATA slots (M-key 2280/22110; VROC required for RAID)	
	Peripheral Bays: 1 DVD bay	

Expansion Slots

On-Board Devices

NVMe: NVMe; RAID 0/1/5/10 support(VROC HW key required)

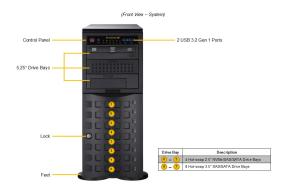
USB: 2 USB 3.2 Gen1 Type-A ports(front) 4 USB 3.0 Type-A ports(Rear)

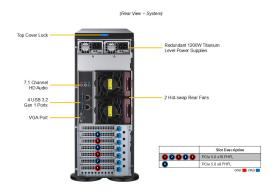
Video: 1 VGA port

DOM: 2 SATA **DOM** (Disk on Module) ports

Audio: 7.1 HD Audio Line Out Mic in







Chassis	CSE-745BTS-R1K23BP3
Motherboard	Super X13DAI-T
	Non-operating Relative Humidity: 5% to 95% (non-condensing)
operating Environment	Operating Relative Humidity: 8% to 90% (non-condensing)
	Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)
Operating Environment	Operating Temperature: 10°C to 35°C (50°F to 95°F)
	Available Color: black
	Net Weight: 59 lbs (26.76 kg)
Dimensions and Weight	Weight: Gross Weight: 62 lbs (28.12 kg)
	CPU: Monitors for CPU Cores, Chipset Voltages, Memory.
	Pulse Width Modulated (PWM) fan connectors
	FAN: Status monitor for speed control
	Thermal Control for fan connectors
PC Health Monitoring	Temperature: Monitoring for CPU and chassis environment
	Automation Assistant (SAA) New!
	SuperDoctor® 5 (SD5); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); SuperServer
Management	SuperCloud Composer®; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); Supermicro
System BIOS	BIOS Type: AMI 32MB SPI FLASH ROM
- Supply	2x 1200W Redundant (1 · 1) Ittaliidii Levet (30%) Hot-plug power supplies
Power Supply	2x 1200W Redundant (1 + 1) Titanium Level (96%) Hot-plug power supplies
	1 Exterior 80mm Fan(s) (optional)
. •	5 Acoustic Optimized ⊠Hot Swap⊠80mm Fan(s)
System Cooling	Fans: 5 Heavy Duty⊠Hot Swap⊠80mm Fan(s) (optional)