SuperWorkstation SYS-741A-T

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

More details here

Key Applications

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

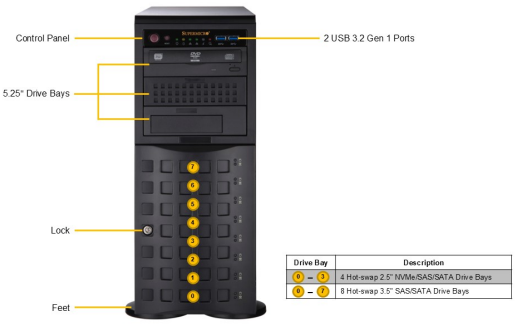
Key Features

- 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 PCIe5.0 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;
- 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 Max-Q Workstation Edition, NVIDIA RTX PRO™ 6000 Blackwell Workstation Edition, RTX 4000 Ada Generation, RTX 4000 SFF Ada Generation, RTX 5000 Ada, 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	Default • 5 PCIe 5.0 x16 FHFL slots • 1 PCIe 5.0 x8 FHHL slot
On-Board Devices	SATA: SATA (6Gbps) ; RAID 0/1/5/10 support NVMe: NVMe; RAID 0/1/5/10 support(VROC HW key required) Network Connectivity: 2 RJ45 10GbE
Input / Output	LAN: 2 RJ45 10 GbE LAN ports (IPMI shared on LAN port 1)

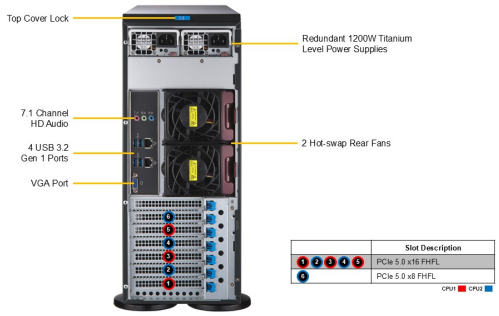
USB: 2 USB 3.2 Gen1 Type-A ports(front)
4 USB 3.0 Type-A ports(Rear)
Video: 1 VGA port
DOM: 2 SATA DOM (Disk on Module) ports
Audio: 7.1 HD Audio
Line Out
Mic in

(Front View – System)



Drive Bay	Description
0 – 3	4 Hot-swap 2.5" NVMe/SAS/SATA Drive Bays
0 – 7	8 Hot-swap 3.5" SAS/SATA Drive Bays

(Rear View – System)



Slot	Description
1 2 3 4 5	PCIe 5.0 x16 FHFL
6	PCIe 5.0 x8 FHFL

CPU1 CPU2

System Cooling	Fans: 5 Heavy Duty Hot Swap 80mm Fan(s) (optional) 5 Acoustic Optimized Hot Swap 80mm Fan(s) 1 Exterior 80mm Fan(s) (optional)
Power Supply	2x 1200W Redundant (1 + 1) Titanium Level (96%) Hot-plug power supplies
System BIOS	BIOS Type: AMI 32MB SPI FLASH ROM
Management	SuperCloud Composer® (SCC); 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: 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: 62 lbs (28.12 kg) Net Weight: 59 lbs (26.76 kg) Available Color: black
Operating Environment	Operating Temperature: 10°C to 35°C (50°F to 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 X13DAI-T**
Chassis	**CSE-745BTS-R1K23BP3**