

# SuperWorkstation SYS-741A-T

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



## 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;



<b>Form Factor</b>	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")
<b>Processor</b>	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
<b>GPU</b>	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
<b>System Memory</b>	Slot Count: 16 DIMM slots Max Memory (1DPC): Up to 2TB 5600MT/s ECC DDR5 RDIMM
<b>Drive Bays Configuration</b>	Default: Total 8 bays <ul style="list-style-type: none"> <li>• 8 front fixed 3.5"/2.5" NVMe/SAS*/SATA drive bays</li> </ul> Option A: Total 16 bays <ul style="list-style-type: none"> <li>• 8 front fixed 3.5"/2.5" 24G SAS*/SAS/SATA drive bays</li> <li>• 8 front fixed 2.5" 24G SAS*/NVMe*/SAS/SATA drive bays</li> </ul> (*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
<b>Expansion Slots</b>	Default <ul style="list-style-type: none"> <li>• 5 PCIe 5.0 x16 FHFL slots</li> <li>• 1 PCIe 5.0 x8 FHHL slot</li> </ul>
<b>On-Board Devices</b>	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
<b>Input / Output</b>	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

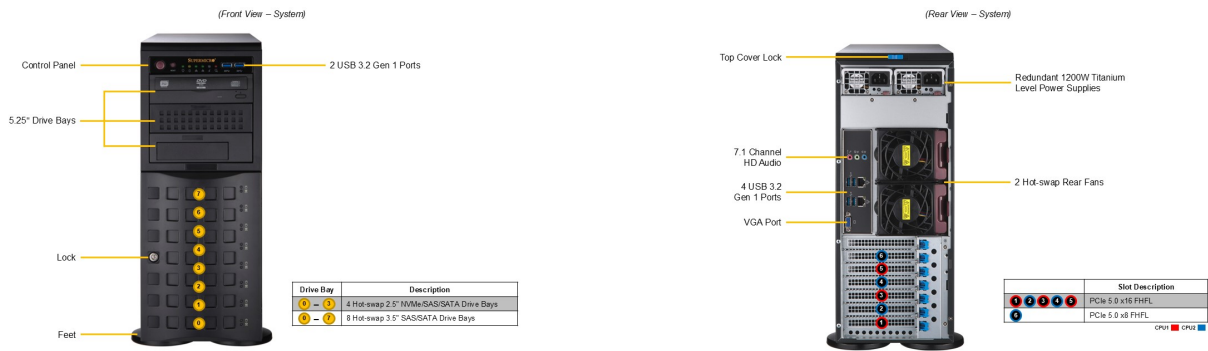
DOM: 2 SATA [DOM](#) (Disk on Module) ports

Audio: 7.1 HD Audio

Line Out

Mic in

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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®; 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	<a href="#">Super X13DAI-T</a>
Chassis	<b>CSE-745BTS-R1K23BP3</b>