

# Super Workstation SYS-740A-T



More details here

## Key Applications

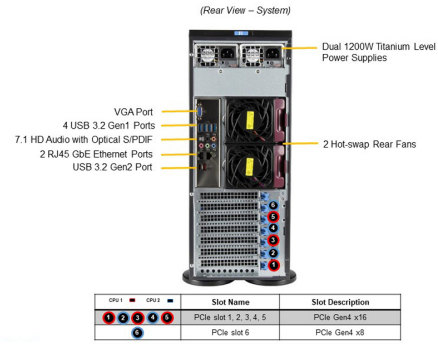
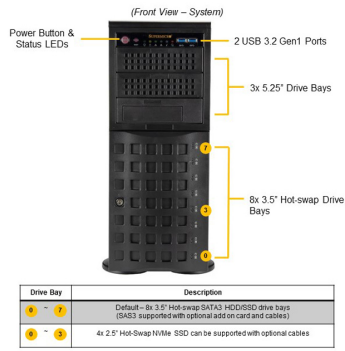
Rendering, CAD, Multimedia/Digital Content creation, Engineering/scientific research,

## Key Features

- 3rd Gen Intel® Xeon® Scalable processor support;
- Intel® C621A Chipset;
- 5 PCIe 4.0 x16, 1 PCIe 4.0 x8, 2 NVMe M.2 slots;
- up to 4x NVMe SSD support with optional cables; 3x 5.25" peripheral drive bays; 8x 3.5/2.5" hot-swap SATA (default) drive bays (SAS support requires optional add-on card );
- Dual 1200W Titanium level power supplies for high powered configurations;
- 1 VGA, 6 USB 3.2 Gen1 (4 Rear, 2 Front), 1 USB 3.2 Gen2 (Rear), 7.1 HD Audio; Supports up to two double width active GPUs;



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	3rd Gen Intel® Xeon® Scalable processors Dual Socket LGA-4189 (Socket P+) supported TDP up to 270W; 3 UPI (Certain CPU SKUs are conditionally supported, please contact Supermicro Technical Support for additional information about specialized system optimization)
System Memory	16 DIMM slots Up to 4 TB ECC RDIMM, DDR4-3200MHz Up to 4 TB ECC LRDIMM, DDR4-3200MHz Up to 512GB Intel® DCPMM, DDR4-3200MHz
Drive Bays	8x 3.5" hot-swap SATA (SAS/NVMe optional) drive bays (4x 2.5" NVMe hybrid) 2 M.2 NVMe
Expansion Slots	5 PCIe 4.0 x16 FHFL slot(s) 1 PCIe 4.0 x8 FHHL slot(s)
On-Board Devices	SATA: SATA3 (6Gbps); RAID 0/1/5/10 support Chipset: Intel® C621A Network Connectivity: 2x 1GbE port(s) IPMI: Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Input / Output	SATA: 2 SuperDOM port(s) LAN: 2 RJ45 1GbE (IPMI Shared on LAN port1) USB: 6 USB 3.2 Gen1 port(s) (4 Rear_USB; 2 Front_USB) Video: 1 VGA port(s)



System Cooling	2x 8cm heavy duty fan(s)
Power Supply	1U, Redundancy, Titanium, Input: 100-127Vac, 200-240Vac, and 240Vdc, output: +12V/+5Vsb, PMBUS 1.2, (L)336x(W)76x(H)40 mm, EMI Class B, Dimension (W x H x L): 76 x 40 x 336 mm Output Type: Gold Finger (19 pair connector)
System BIOS	BIOS Type: AMI 32MB SPI FLASH ROM
Management	SuperDoctor® 5; Watch Dog; NMI; SUM; KVM with dedicated LAN; SPM; SSM; IPMI 2.0; Redfish API
PC Health Monitoring	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 CPU: Monitors for CPU Cores, Chipset Voltages, Memory.
Dimensions and Weight	Height: 17.8" (452 mm) Width: 7" (178 mm) Depth: 25.5" (647 mm) Gross Weight: 62 lbs (28.12 kg) Net Weight: 59 lbs (26.76 kg) Packaging: 24.6" (H) x 14" (W) x 31.3" (D) 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	<a href="#">Super X12DAI-N6</a>
Chassis	CSE-745BTS-R1K23BP3