

SuperWorkstation SYS-532AW-TC

High-performance mid-tower UP workstation for AI and 3D/simulation workloads



Key Applications

2D/3D Content Creation, VR Content Development,

Key Features

- Single Intel® Xeon® 600 Series processor (LGA 4710-2/Socket E2), with up to 86 cores/350W TDP. Supports optional CPU closed-loop liquid cooling heatsink;
- 8 DIMM slots support DDR5 ECC RDIMM;
- Support for up to 2 double-width PCIe GPU cards;
- Fast connection: 1 RJ45 10GbE + 1 RJ45 1GbE;
- Fast storage: 2 PCIe 5.0 M.2 slots + MCIO connector for optional 2x NVMe SSD connection;
- 1000W, 1300W and 2000W Power Supply Options;
- 2 PCIe 5.0 x16 slots + 2 PCIe 5.0 x8 slots;



Form Factor	Mid-Tower Enclosure: 205 x 450 x 470mm (8.07" x 17.72" x 18.5") Package: 325 x 617 x 590mm (12.8" x 24.29" x 23.23")
Processor	Single E2 (LGA 4710-2) Intel® Xeon® 600 Processor for Workstation Up to 86C/172T; Up to 336MB Cache
GPU	Max GPU Count: Up to 2 double-width GPUs Supported GPU: NVIDIA PCIe: NVIDIA RTX PRO™ 4000 Blackwell, NVIDIA RTX PRO™ 4500 Blackwell, NVIDIA RTX PRO™ 5000 Blackwell, NVIDIA RTX PRO™ 6000 Blackwell Max-Q Workstation Edition, NVIDIA RTX PRO™ 6000 Blackwell Workstation Edition Intel: Arc™ Pro B70 Graphics
System Memory	Slot Count: 8 DIMM slots Max Memory (2DPC): Up to 1TB 5200MT/s ECC DDR5 RDIMM
Drive Bays Configuration	Default: Total 8 bays • 2 internal fixed 3.5"/2.5" SATA drive bays • 6 internal fixed 2.5" SATA drive bays Option A: Total 8 bays • 2 internal fixed 3.5" SATA* drive bays • 4 internal fixed 2.5" SATA* drive bays • 2 internal fixed 2.5" PCIe 4.0 NVMe* drive bays (*NVMe/SATA support may require additional storage controller and/or cables, please see the optional parts list for details) M.2: 2 M.2 PCIe 5.0 x4 NVMe slots (M-key 22110(default)/2280; VROC required for RAID)
Expansion Slots	Default • 2 PCIe 5.0 x8 (in x8) FHFL slots • 2 PCIe 5.0 x16 (in x16) FHFL slots
On-Board Devices	SATA: SATA (6Gbps) via Intel® W890; RAID 0/1/5/10 support Chipset: intel® W890 Network Connectivity: 1 RJ45 10GbE with Marvell® AQC113 1 RJ45 1GbE with Intel® I219-LM

Input / Output	USB: 2 USB 3.2 Gen1 Type-A ports (front) 4 USB 3.2 Gen2 Type-A ports (Rear) 1 USB 3.2 Gen2 Type-C port (Rear) 1 USB 3.2 Gen2 Type-C port (Front) Serial: 1 COM port (rear) Audio: 5.1 HD Audio
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System Cooling	Fans: Up to 4x 120mm Fan(s) Up to 1x 120mm Fan(s) Up to 1x 120mm Fan(s)
Power Supply	1x 1300W Platinum Level (92%) power supply
System BIOS	BIOS Type: AMI 256MB SPI Flash
Management	Supermicro SuperDoctor® 5 (SD5); Super Diagnostics Offline (SDO); SuperServer Automation Assistant (SAA) New!
PC Health Monitoring	Voltage: Voltage, VBAT, Memory temperature, CPU temperature, 3.3V standby, +5V standby, +5V, +3.3V, +12V, VRM temperature, CPU thermal trip support, 1.8V standby
Dimensions and Weight	Weight: Gross Weight: 19.2 lbs (8.7 kg) Net Weight: 14.1 lbs (6.4 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 X14SRA-T
Chassis	CSE-GS3A-000NBP