

SuperWorkstation SYS-532AW-C

UP mid-tower workstation for 3D design and content creation



Key Applications

Designed for CAD and 3D Modeling Applications, 2D/3D Content Creation, VR Content Development,

Key Features

- Intel® Core™ Ultra 9/7/5 Processors up to 125W with air cooling or optional liquid cooling;
- Supports for up to 1 double-width or triple-width GPU;
- Supporting up to 192GB DDR5-5600;
- 1 HDMI 2.1*, 1 DP 2.1**, 1 Thunderbolt™ 4.0 Type-C® *Supports data rates of up to 10 Gbps;
- 2 PCIe NVMe M.2 and 2 PCIe 4.0 NVMe U.2;
- 2 PCIe 5.0 x16 FHFL + 1 PCIe 4.0 x4 slots;
- 1 RJ45 2.5GbE + 1 RJ45 1GbE (AMT/vPro);
- 1 1000W Gold Level Power Supply;



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 LGA-1851
Intel® Core™ Ultra 9/7/5 (Series 2) processors
Up to 24C/24T; Up to 36MB Cache

GPU

Max GPU Count: Up to 1 triple-width or 1 double-width GPU
Supported GPU: NVIDIA PCIe: RTX 5000 Ada, RTX 6000 Ada Generation
NVIDIA: GeForce RTX 5070, GeForce RTX 5080, GeForce RTX 5090

System Memory

Slot Count: 4 DIMM slots
Max Memory (2DPC): Up to 192GB 5600MT/s ECC/non-ECC DDR5 UDIMM

Drive Bays Configuration

Default: Total 6 bays

- 2 internal fixed 3.5"/2.5" SATA drive bays
- 4 internal fixed 2.5" NVMe*/SATA drive bays

(*NVMe support may require additional storage controller and/or cables)
M.2: 1 M.2 PCIe 4.0 x4 NVMe slot (M-key 22110(default)/2280)
1 M.2 PCIe 5.0 x4 NVMe slot (M-key 2280(default))

Expansion Slots

PCI-Express (PCIe) Configuration: Default

- 2 PCIe 5.0 x8 (in x16) FHFL slots
- 1 PCIe 4.0 x4 (in x4) FHHL slot

Option A

- 1 PCIe 5.0 x16 (in x16) FHFL slot
- 1 PCIe 4.0 x4 (in x4) FHHL slot

M.2: 1 M.2 PCIe 5.0 x4 NVMe slot (M-key 2280(default))
1 M.2 PCIe 4.0 x4 NVMe slot (M-key 22110(default)/2280)

On-Board Devices

SATA: SATA (6Gbps) via Intel® W880; RAID 0/1/5/10 support
Chipset: Intel® W880
Network Connectivity: 1 RJ45 1GbE with Intel® I219-LM
1 RJ45 2.5GbE with Intel® I226-LM

Input / Output

USB: 2 USB 3.2 Gen1 Type-A ports(front)
3 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)

1 Thunderbolt™ 4 Type-C port(Rear)
Video: 1 HDMI 2.1 port(Rear)
1 DisplayPort 2.1 port(Rear)
Audio: 7.1 HD Audio
TPM: 1 TPM Onboard TPM & TPM Header



System Cooling	Fans: Up to 4x 120mm Fan(s)
Power Supply	1x 1000W Gold Level (90%) power supply
System BIOS	BIOS Type: AMI 256MB SPI Flash
Management	Supermicro SuperDoctor® 5 (SD5); Super Diagnostics Offline (SDO)
PC Health Monitoring	Voltage: +1.0V PCH, +1.8V PCH, +12V, +3.3V, +5V, +5V standby, 1.05 (PCH), 3.3V standby, 5 (4-pin), CPU, CPU temperature, CPU thermal trip support, PCH temperature, System temperature, VBAT, VRM temperature
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 X14SAE
Chassis	CSE-GS3A-000NBP