

AI-Ready Workstation for Edge Inference & Graphics



SYS-532AW-C Mid-Tower SuperWorkstation



Intel® Core™ Ultra-Powered Edge AI, CAD and Content Creation

Supermicro SYS-532AW-C Mid-Tower SuperWorkstation delivers workstation-class performance for AI and edge workloads in space-constrained environments. Powered by Intel® Core™ Ultra processors (Series 2) with integrated NPU advanced Intel® Xe graphics, it accelerates on-device inference and real-time analytics without rack infrastructure.

Key differentiators include support for one high-end double- or triple-width professional/datacenter GPU, fast DDR5 memory, Gen5 NVMe storage, dual LAN (1GbE + 2.5GbE) with Intel vPro®/Intel® Active Management Technology manageability, and flexible storage: six SATA bays, plus two M.2 NVMe slots — one PCIe 5.0 x4 and one PCIe 4.0 x4.

It is ideal for system integrators and enterprises deploying validated edge nodes balancing performance, thermals, and footprint. It's optimized for video/media pipelines, real-time 3D rendering/simulation, and single-threaded tasks (CAD, EDA, financial modeling) requiring high clock speeds and low latency.

***Up to 69 % higher
performance*
on a variety of
workstation
applications with
Intel® Arc™ Pro
B70 Graphics***

* See [Performance Index Results](#) for testing details.

Intel Products and Technologies

Accelerating AI and Analytics at the Edge



Intel® Core™
Ultra Processors



OpenVINO™
Toolkit



Intel® Arc™
Graphics



Intel vPro®

Key Features

Empowered by Intel.



High-Performance
AI Edge



High-Speed
DDR5 Memory

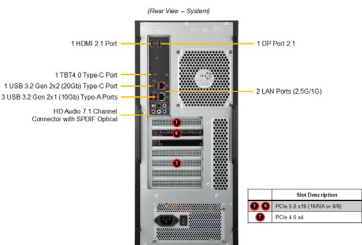


Single-GPU
Ready Design



Advanced
Connectivity

Supermicro SYS-532AW-C Mid-Tower SuperWorkstation



intel ai

Intel® AI Edge Systems

Product Specifications

CPU	Single Intel® Core™ Ultra 9/7/5 (Series 2) processors, LGA 1851, up to 125W TDP
Graphics	Support up to 1 Intel® Arc™ Pro B60/B70 Graphics or other GPU in a double- or triple-width GPU expansion slot
Memory	4× DDR5 UDIMM slots, up to 192 GB, 5600 MT/s (ECC/non-ECC)
Storage	Dual M.2 NVMe (1× PCIe 5.0 + 1× PCIe 4.0)
Wireless Network	Not integrated by default (add PCIe/USB Wi-Fi/BT as needed)
LAN	1× Intel® Ethernet Connection I219-LM 1GbE (Intel vPro®/Intel® AMT) + 1× Intel® Ethernet Controller I226-LM 2.5GbE
Operating / Storage Temp.	10°C ~ 35°C / -40°C ~ 60°C
Dimension (W x D x H)	205mm x 470mm x 450mm
Weight	8.7kg (gross) / 6.4kg (net)
OS	Windows 10/11 Pro/Enterprise; major Linux distributions (RHEL, Ubuntu, SUSE) — validated for workstation and edge AI workloads
I/O Options (Input/Output)	2 USB 3.2 Gen1 Type-A ports (front) 3 USB 3.2 Gen2 Type-A ports (Rear) 2 USB 3.2 Gen2 Type-C port (Front and Rear) 1 Thunderbolt™ 4 Type-C port (Rear)

Learn More

[Supermicro SYS-532AW-C Mid-Tower SuperWorkstation](#)

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