

P500SV-C716512G1X

Asus ExpertCenter P500SV SFF PC, Core 7 240H 5.2GHz, 16GB RAM, 512GB SSD, Win 11 Pro

Product Overview

Asus ExpertCenter P500SV SFF PC, Intel Core 7 240H Ten 10x Core Raptor Lake Turbo boost up to 5.2GHz 24MB L3 Cache Processor with Intel Graphics (6 performance Cores & 4 efficient), 16GB DDR5 Memory, 512GB M.2 PCI-e Solid State Drive, WiFi6, Bluetooth, Wired Keyboard & Mouse, Windows 11 Pro 64bit, 180W Power Supply, 1x RJ45 Gigabit Ethernet, 1x HDMI1.4, 1x DisplayPort 1.4, 1x 7.1 channel Audio (Microphone / Line-Out / Line-In), 1x Kensington lock, 4x USB 2.0 Type-A, 1x 3.5mm Combo Audio jack (Front), 1x USB 3.2 Gen1 Type-C (Front), 2x USB 3.2 Gen 1 Type-A (Front)



Specifications

Overview Summary:

The ASUS ExpertCenter P500 SFF desktop PC is engineered for modern business environments that demand reliable performance in a compact footprint. Powered by an Intel Core 7 processor with 16GB DDR5 memory and a fast 512GB SSD, it delivers smooth multitasking, quick boot times, and efficient handling of everyday office workloads. With Windows 11 Pro, WiFi 6 connectivity, and robust security features, it's built to support professional productivity with minimal hassle.

Its small form factor design saves valuable desk space while still offering strong expandability and essential connectivity options for business use. Whether you're upgrading your office setup or equipping a growing team, this desktop provides dependable performance and long-term value. Buy now and streamline your workflow with a PC designed for efficiency and

durability.

Performance tier:Mid-to-High business performance

Uses:office productivity, business applications, multitasking, remote work, data processing

Overview:

ASUS ExpertCenter P500 SFF Business Desktop

The ASUS ExpertCenter P500 SFF is engineered to deliver reliable business performance in a compact, space-saving design. Built for modern workplaces, it combines strong processing power, efficient thermal management, and enterprise-grade security to support demanding daily workloads. Its small form factor helps maintain an organized desk environment while still offering flexibility for future upgrades. Designed to meet MIL-STD 810H standards, it is well-suited for professional environments that require durability and long-term dependability.

Description:

The ASUS ExpertCenter P500 SFF (Part Number: ASUS P500SV-C716512G1X) is a compact business desktop designed for productivity, efficiency, and secure operations. Powered by an Intel Core 7 240H processor and fast DDR5 memory, it handles multitasking, office applications, and business workflows with ease. The system includes high-speed SSD storage for quick boot times and responsive performance, along with WiFi 6 and Bluetooth for seamless connectivity. Its quiet operation, robust cooling system, and extensive connectivity options make it ideal for professional environments where reliability and efficiency are critical.

Features:

Performance for Everyday Business Workloads

At the core of the system is the Intel Core 7 240H processor, featuring a hybrid architecture with performance and efficiency cores to optimize multitasking. With turbo boost speeds up to 5.2GHz and 24MB cache, it delivers responsive computing across office applications, collaboration tools, and data processing tasks.

The inclusion of 16GB DDR5 memory ensures smooth multitasking, while the 512GB NVMe PCIe SSD provides fast data access and reduced load times. The platform is also expandable, supporting higher memory capacities and additional storage if required.

Key performance highlights:

- Intel Core 7 240H processor with 10 cores and 16 threads
- Turbo boost up to 5.2GHz for demanding workloads
- 16GB DDR5 memory running at 5600 MT/s
- 512GB M.2 PCIe 4.0 SSD for fast storage access
- Expandable memory up to 64GB

Efficient Cooling and Quiet Operation

The system uses an advanced compact air cooling solution with a copper heat pipe and optimized airflow path. This design improves heat dissipation while maintaining stable performance under load. Air is drawn efficiently through the chassis and expelled through the rear, keeping internal components at optimal temperatures.

Noise levels remain low, making it suitable for office environments where minimal distraction is important. The system operates quietly even under performance mode, supporting focused work without unnecessary background noise.

Compact Design Built for Modern Offices

The small form factor chassis is designed to maximize workspace efficiency without compromising performance. It is approximately 10 percent smaller than traditional desktop towers, making it easier to integrate into tight office setups.

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Product Specification Sheet

The tool-free design simplifies maintenance and upgrades, allowing quick access to internal components. This ensures long-term usability as business needs evolve.

Design advantages include:

- Space-saving 8.6L chassis
- Tool-free access for upgrades
- Professional, minimal aesthetic
- Flexible expansion options

Connectivity for Business Environments

A wide range of ports ensures compatibility with essential business peripherals, displays, and networking equipment. Front-facing ports provide quick access for daily use, while rear ports support permanent connections.

Available connectivity:

- 1x RJ45 Gigabit Ethernet
- 1x HDMI 1.4 and 1x DisplayPort 1.4
- 4x USB 2.0 Type-A (rear)
- 2x USB 3.2 Gen 1 Type-A (front)
- 1x USB 3.2 Gen 1 Type-C (front)
- 3.5mm combo audio jack and 7.1 channel audio support

Wireless connectivity includes WiFi 6 and Bluetooth 5.4, ensuring stable and fast connections in busy office networks.

Enhanced Productivity with Smart Software

Windows 11 Pro provides a secure and productive operating environment tailored for business use. Integrated tools such as Microsoft Copilot support task automation and workflow efficiency.

ASUS AI ExpertMeet enhances collaboration with capabilities such as:

- AI meeting transcription and summaries
- Multi-speaker identification
- Noise-canceling audio for clearer calls

These tools streamline communication and reduce the administrative burden of meetings.

Security and Data Protection

The system is equipped with business-grade security features designed to protect sensitive data. A TPM 2.0 module ensures secure storage of encryption keys and credentials, while BIOS-level protections guard against firmware threats.

Security elements include:

- TPM 2.0 hardware encryption support
- NIST SP 800-155 compliant BIOS
- Kensington lock slot for physical security
- Integrated system protection tools

Technical Summary

Core specifications for ASUS P500SV-C716512G1X:

- Processor: Intel Core 7 240H (10 cores, up to 5.2GHz)
- Memory: 16GB DDR5 (expandable to 64GB)
- Storage: 512GB NVMe PCIe SSD
- Graphics: Intel integrated graphics

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- Operating System: Windows 11 Pro 64-bit
- Wireless: WiFi 6 and Bluetooth 5.4
- Power Supply: 180W
- Form Factor: Small Form Factor (SFF)

Built for Long-Term Reliability

The ASUS ExpertCenter P500 SFF is designed with durability and consistent performance in mind. From its reinforced build quality to carefully selected internal components, it supports long-term business use with minimal downtime.

For organizations seeking a compact, efficient, and scalable desktop solution, the ASUS P500SV-C716512G1X offers a balanced combination of performance, connectivity, and reliability in a professional-grade system.

Specifications:

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Specifications	
Product Code	P500SV-C716512G1X
Model	P500SV
Size	8.6L
Color	Gray
Form Factor	Small form factor
Operating System	Windows 11 Pro
Office	1-month trial for new Microsoft 365 customers. Credit card required.
Processor	Intel Core 7 Processor 240H 2.5 GHz (24MB Cache, up to 5.2 GHz, 10 Cores, 16 Threads)
CPU Cooler	Air Cooler
DIMM Memory	16GB DDR5 SO-DIMM
Memory Speed	Memory speed is 5600 MT/S, and run at 5600 MT/S.
Memory Max.	64GB
Integrated GPU	Intel Graphics
Storage	512GB M.2 2280 NVMe PCIe 4.0 SSD
Optical Drive	Without optical drive
LAN	Intel WGI219V 10/100/1000 Mbps, non-vPro
Audio	High Definition 7.1 Channel Audio
Wireless	Wi-Fi 6(802.11ax) (Dual band) 1*1 + Bluetooth 5.4 Wireless Card
Power Supply	180W power supply (80+ Bronze, peak 228W)

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Rear I/O Port	1x RJ45 Gigabit Ethernet
	1x HDMI1.4
	1x Displayport 1.4
	1x 7.1 channelaudio (microphone,line-out, Line-in)
	1x Kensington lock
	4x USB 2.0 Type-A
Front I/O Port	1x 3.5mm combo audio jack
	1x USB 3.2 Gen1 Type-C
	2x USB 3.2 Gen 1 Type-A
Drive Bay	3.5" x1
Serial ATA	2x SATA 6.0Gb/s ports
Expansion Slot(includes used)	1x PCIe 4.0 x 16 (operating at PCIe 4.0 x8)
	1x M.2 connectorforWiFi
	2x M.2 2280 connector for storage
	2x DDR5 SO-DIMM slot
Keyboard & Mouse	Wired keyboard (USB)
	Wired optical mouse (USB)
Accessory	3.5" HDD assembly kit
Dimension (WxDxH)	09.30 x 29.60 x 30.90 cm (3.66" x 11.65" x 12.17")
Weight	05.06kg(11.16lbs)
My ASUS features	System diagnosis
	Fan profile
	AppDeals
Security	Discrete Trusted Platform Module (TPM) 2.0
	HDD User Password Protection and Security
	Kensington Security Slot(7x 3mm)
Antivirus	McAfee 1 years
Ecolabels & Comphances	EPEAT Silver
	Energy star 9.0
	REACH
	RoHS

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://comx-computers.co.za/P500SV-C716512G1X-Asus-ExpertCenter-P500SV-SFF-PC-Core-7-240H-5-2GHz-16GB-RAM-512GB-p-335511.php>

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