ComX Computers
Product Specification Sheet

ASUS P500SV-C58512G1X

Asus ExpertCenter P500SV SFF PC, Core 5 210H 4.8GHz, 8GB RAM, 512GB SSD, Win 11 Pro

Product Overview

Asus ExpertCenter P500SV SFF PC, Intel Core 5 210H Eight (8) Core Raptor Lake Turbo boost up to 4.8GHz 12MB L3 Cache Processor with Intel Graphics (4 perfomance Cores & 4 efficient), 8GB 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 P500SV SFF PC is a compact and reliable desktop solution built for modern South African businesses. Powered by an Intel Core 5 210H processor, 8GB DDR5 memory and a fast 512GB NVMe SSD, it delivers smooth multitasking and responsive performance for everyday office tasks. With Windows 11 Pro, WiFi 6 connectivity and a full range of essential ports, it fits seamlessly into professional workspaces while keeping your data secure with TPM 2.0 support.

Its small form factor design saves valuable desk space without compromising on expandability or durability. Whether you are setting up a new office or upgrading existing systems, this desktop offers dependable performance and long-term value. Buy

now and equip your team with a business-ready PC designed to keep productivity high. Shop now and streamline your workflow with confidence.

Performance tier: Mid-range business

Uses: Office productivity, accounting, administration, remote work, web applications, business communication

Overview:

The ASUS ExpertCenter P500 SFF (P500SV) delivers dependable business performance in a compact small form factor desktop designed for modern workplaces. Built to balance power, security, and expandability, this space saving PC is ideal for small and medium businesses seeking reliable computing without compromising desk space. Engineered to meet MIL STD 810H military standards, it is designed to handle demanding office environments while maintaining a professional, streamlined appearance.

Description:

The ASUS ExpertCenter P500SV SFF PC combines Intel Core 5 210H processing power with fast DDR5 memory and NVMe SSD storage to keep daily business tasks running smoothly. With WiFi 6 connectivity, Windows 11 Pro, advanced security protections, and a compact tool free chassis, it is built for productivity, easy upgrades, and long term reliability. Quiet thermal engineering and versatile connectivity options make it a smart choice for offices that demand performance, efficiency, and flexibility.

Features:

Powerful Intel Core Performance for Business
At the heart of this desktop is the Intel Core 5 210H processor with eight cores and turbo boost up to 4.8GHz. Built on Raptor Lake architecture with 12MB L3 cache, it combines performance and efficiency cores to handle multitasking, productivity applications, and demanding workloads with ease.

Paired with 8GB DDR5 memory and support for up to 64GB, the system is ready for growth. The 512GB M.2 PCIe 4.0 NVMe SSD ensures fast boot times, rapid file access, and responsive software performance. Integrated Intel Graphics supports everyday business visuals, presentations, and dual display setups via HDMI and DisplayPort.

Key performance highlights include:

- Intel Core 5 210H processor, up to 4.8GHz turbo boost, 8 cores and 12 threads
- 8GB DDR5 memory standard, expandable to 64GB
- 512GB M.2 PCIe 4.0 NVMe SSD
- Intel integrated graphics
- Windows 11 Pro 64 bit preinstalled

Advanced Cooling with Quiet Operation
The compact air cooling system uses an optimized airflow layout and copper heat pipe design to maintain stable temperatures during heavy workloads. Despite its performance capability, the system operates at impressively low noise levels, making it suitable for shared offices, meeting rooms, and focused workspaces.

Efficient cooling supports consistent output without unnecessary fan noise, helping teams stay productive without distraction.

Compact Small Form Factor Design
With an 8.6 liter chassis and dimensions of 09.30 x 29.60 x 30.90 cm, the ASUS ExpertCenter P500 SFF is around 10 percent smaller than traditional tower PCs. The grey finish and clean lines blend easily into professional environments.

The tool free internal layout simplifies upgrades and maintenance. Expansion options include:

- 1 x PCIe 4.0 x16 slot operating at x8
- 2 x M.2 2280 connectors for storage
- 1 x M.2 connector for WiFi
- 2 x DDR5 SO DIMM slots
- 1 x 3.5 inch drive bay
- 2 x SATA 6.0Gb/s ports

This flexibility allows businesses to scale storage and memory as operational needs evolve.

Comprehensive Connectivity for Modern Offices
The ASUS ExpertCenter P500SV provides a full range of ports to connect displays, peripherals, and networks without additional adapters.

Rear ports include:

- 1 x RJ45 Gigabit Ethernet
- 1 x HDMI 1.4
- 1 x DisplayPort 1.4
- 4 x USB 2.0 Type A
- 7.1 channel audio ports
- Kensington security slot

Front ports offer quick access:

- 1 x USB 3.2 Gen 1 Type C
- 2 x USB 3.2 Gen 1 Type A
- 1 x 3.5mm audio combo jack

With WiFi 6 (802.11ax) and Bluetooth 5.4, users benefit from faster wireless speeds, improved stability in crowded office networks, and seamless device pairing.

Windows 11 Pro and AI Powered Productivity
Preloaded with Windows 11 Pro, this desktop supports business class management, security, and productivity tools. Integration with Microsoft Copilot enhances everyday workflows by assisting with tasks, content creation, and data organization directly from the desktop experience.

The system also supports ASUS AI ExpertMeet, enabling AI meeting transcription, translated subtitles, and noise cancellation to improve collaboration and communication during virtual meetings.

Business Grade Security and Data Protection
Security is a priority for business environments. The ASUS ExpertCenter P500 SFF incorporates multiple layers of protection to safeguard sensitive data.

Security elements include:

- Discrete TPM 2.0 for secure credential storage and encryption keys
- NIST SP 800 155 compliant commercial grade BIOS
- Kensington Security Slot for physical protection
- HDD password protection support
- McAfee antivirus subscription included

These measures help protect against firmware attacks, unauthorized access, and evolving cyber threats.

Built for Durability and Long Term Value

Tested to MIL STD 810H standards and supported by strict internal quality checks, this desktop is engineered for consistent operation in demanding business settings. High quality components and energy efficient design help reduce total cost of ownership over time.

Environmental certifications such as EPEAT Silver, Energy Star 9.0, REACH, and RoHS further demonstrate its commitment to energy efficiency and responsible manufacturing.

What's Included
The package comes ready for deployment with:

- Wired USB keyboard
- Wired USB optical mouse
- 3.5 inch HDD assembly kit
- 180W 80 Plus Bronze power supply

Weighing approximately 5.06kg, the ASUS ExpertCenter P500SV SFF PC offers a practical balance of compact design, reliable performance, and enterprise ready security. It is a smart solution for businesses looking to modernize their workspace with a secure, expandable, and efficient desktop system.

Specifications:

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Specifications	
Product Code	ASUS P500SV-C58512G1X
Model	P5OOSV / 9OPFO5A1-MOORMO
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 5 Processor 210H 2.2 GHz (12MB Cache, up to 4.8 GHz, 8 Cores, 12 Threads)
CPU Cooler	Air Cooler
DIMM Memory	8GB DDR5 SO-DIMM
Memory Speed	Memory speed is 5600 MT/S, but run at 4800-5200 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 WGl219V 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)

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
MyExpert Features	N/A
	MyASUS
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://www.comx.co.za/ASUS-P500SV-C58512G1X-Asus-ExpertCenter-P500SV-SFF-PC-Core-5-210H-4-8GHz-8GB-RAM-p-335101.php

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