

ExpertCenter P500 SFF | P500SV

Exceptional value and performance for businesses

ExpertCenter P500 SFF combines high performance, business-grade security, and commercial-class services features in a compact and sleek design, providing business users at any size with a flexible and organized workspace. Designed to withstand tough conditions and meet MIL-STD-810H US military standards, it features a tool-free and expandable chassis, ensuring prolonged reliability and convenient upgrades for professionals.



Compact powerhouse

- 8.6-liter form factor for flexible vertical or horizontal placement
- Up to Intel® Core™ i7 processors to unleash up to 45W CPU TDP
- Up to NVIDIA® RTX™ A400 discrete graphics
- Up to 64 GB DDR5 5600MHz (system memory speed run at 4800-5200MHz)
- Up to 2 TB SSD and 2 TB 3.5" HDD
- Compact cooler fan with copper pipe thermal system, delivering whisper-quiet performance
- Two-way AI noise-canceling technology
- SD card reader 2.0 (optional)

Easy-to-upgrade design

- Tool-free design for hassle-free system maintenance and upgrade
- Full expansion slot : 1 x PCI Express 4.0 x16 (on i5 and i7 configurations, electric 8x data connection); 1 x M.2 (support wifi) PCIe & CNVi colay

Built to last

- World's No.1 ASUS motherboard¹ with 100% solid capacitors for long-term usage
- US military grade reliability with optimized construction
- Up to 80 PLUS Platinum PSU to minimize long-term cost

Business-grade security and management

- Safeguard your confidential data with the ASUS ExpertGuardian and free 1-year McAfee+ Premium membership
- Trusted Platform Module 2.0 (TPM 2.0) data security

*OPTIONAL SPECIFICATION, AVAILABILITY MAY DEPEND ON COUNTRY OR REGION.

Warranty and Support



Up to 3-year global warranty²
100% free of charge, with no hidden costs.



Pick up & return service
Enjoy door-to-door service including pick up, repair, and return.



MyASUS
Contact customer service, view repair status, read product guides and more.

Contact Us

Commercial Support – Contact Us

Self-service:

Phone:

Email:

Commercial Sales – Volume

Purchase Inquiries

Email:

For more information:

1. ASUS secured the #1 spot for motherboard market share as of 2017, with DigiTimes reporting that the Taiwanese PC component giant owns 45% of the motherboard market.
2. Service and warranty coverage may vary depending on country and territory. We recommend that you check with your local retailers to confirm the options available.

SPECIFICATIONS

Model	P500SV / 90PF05A1-M00M50
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	16GB 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 WGI219V 10/100/1000 Mbps, non-vPro
Audio	High Definition 7.1 Channel Audio
Wireless	Wi-Fi 6(802.11ax) (Dual band) 2*2 + Bluetooth® 5.4 Wireless Card
Power Supply	180W power supply (80+ Bronze, peak 228W)
Rear I/O Port	1x RJ45 Gigabit Ethernet 1x HDMI 1.4 1x Displayport 1.4 1x 7.1 channel audio (microphone, line-out, Line-in) 1x Kensington lock 4x USB 2.0 Type-A (480 Mbps)
Front I/O Port	1x 3.5mm combo audio jack 2x USB 3.2 Gen 1 Type-A (5 Gbps) 1x USB 3.2 Gen 1 Type-C (5 Gbps)
Drive Bay	3.5" x 1
Serial ATA	2 x SATA 6.0Gb/s ports
Expansion Slot(includes used)	1x PCIe® 4.0 x 16 (operating at PCIe® 4.0 x8) 1x M.2 connector for WiFi 2x M.2 2280 connector for storage 2x DDR5 SO-DIMM slot

DISCLAIMER: SPECIFICATIONS VARY BETWEEN DIFFERENT REGIONS. SERVICE AND WARRANTY COVERAGE DEPEND ON COUNTRY AND TERRITORY AND MAY NOT BE AVAILABLE IN ALL MARKETS.

SPECIFICATIONS

Keyboard & Mouse	Without keyboard Without mouse
Keyboard language	Wo/Keyboard
Dimension (WxDxH)	09.30 x 29.60 x 30.90 cm (3.66" x 11.65" x 12.17")
Weight	05.06 kg (11.16 lbs)
My ASUS features	System diagnosis Fan profile AppDeals
MyExpert Features	N/A
Built-in Apps	MyASUS
Adobe Creative Cloud Hard Bundle	1-month Adobe Creative Cloud Hard Bundle *Terms and exclusions apply. Offer only available in eligible markets. Eligible markets are determined at activation, and varies by region, device, and time.
Security	HDD User Password Protection and Security Discrete Trusted Platform Module (TPM) 2.0 Kensington Security Slot™(7x 3mm)
Antivirus	McAfee® 1 years
Ecolabels & Compliances	EPEAT Silver Energy star 9.0 REACH RoHS
Base Warranty	Zero Warranty
Recommended Warranty Package Part number//Extension and/or upgrade service from base warran	*If you would like to know the details, please contact your sales teams.
Sustainable Material_Front bezel	65% (Inkwell Grey) 、 60% (White) PCR recycled plastic front bezel
Sustainable Material_I/O bezel	65% (Inkwell Grey) 、 60% (White) PCR recycled plastic I/O bezel

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