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.

Up to Intel® Core i7 processor

NVIDIA® RTX™ graphics

Enhanced thermal design

Tool-free design

Military-grade durability

TPM 2.0 chip

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 motherboard[1] 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 warranty[2]
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-M00C00
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™ i5-13420H Processor 2.1 GHz (12MB Cache, up to 4.6 GHz, 8 cores, 12 Threads)
CPU Cooler	Air Cooler
DIMM Memory	16GB DDR5 SO-DIMM
Memory Speed	Memory speed is 5600MHz, but run at 4800~5200MHz
Memory Max.	64GB
Integrated GPU	Intel® UHD 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)
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
Front I/O Port	1x 3.5mm combo audio jack 1x USB 3.2 Gen 1 Type-C 2x USB 3.2 Gen 1 Type-A
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	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	05.06 kg (11.16 lbs)
My ASUS features	System diagnosis Fan profile AppDeals
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	Discrete Trusted Platform Module (TPM) 2.0 HDD User Password Protection and Security Kensington Security Slot™(7x 3mm)
Antivirus	McAfee® 1 years
Ecolabels & Compliances	EPEAT Silver Energy star 9.0 REACH RoHS
Base Warranty	3Y OnSite Service(Next Business Day)
Recommended Warranty Package Part number//Extension and/or upgrade service from base warran	//2Y Extension; 5Y Accidental Damage Protection* *upgrade ACX11-00490HPF//1Y Extension *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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