



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 standards¹, 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 TDP²
- 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" HDD³
- 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 motherboard⁴ 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.



Up to Intel® Core i7 processor



NVIDIA® RTX™ graphics



Enhanced thermal design



Tool-free design



Military-grade durability



TPM 2.0 chip

Warranty and Support



Up to 3-year global warranty⁵
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:

SPECIFICATIONS

Model	P500SV
Operating System	Without OS Pure OS Windows 11 Pro - ASUS recommends Windows 11 Pro for business Windows 11 Home - ASUS recommends Windows 11 Pro for business
Processor	Intel® Core™ i7-13620H Processor 2.4 GHz (24MB Cache, up to 4.9 GHz, 10 cores, 16 Threads) Intel® Core™ i5-13420H Processor 2.1 GHz (12MB Cache, up to 4.6 GHz, 8 cores, 12 Threads) Intel® Core™ i3-1315U Processor 1.2 GHz (10MB Cache, up to 4.5 GHz, 6 cores, 8 Threads)
Discrete Graphics ⁶	NVIDIA® RTX A400 4GB GDDR6: 4x mini-DP
Integrated Graphics	UMA: Support up to Intel® UHD Graphics
Memory	2 x SO-DIMM Slot, Dual Channel DDR5 5600 MHz up to 64GB (system memory speed run at 4800-5200MHz)
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
Serial ATA	2 x Serial ATA 6.0 Gb/s
Storage	1 x 3.5" HDD up to 2TB 7200rpm (support HDD tool-free design) 2 x M.2 SSD, up to 2TB PCIe® 4.0 SSD
Drive Bays	1 x 3.5" HDD (optional)
Optical Drive	Without ODD (optional) with swappable bezel Slim type DVD RW (optional) Slim type DVD ROM (optional)
Wireless	Without Wi-Fi Card (optional) Wi-Fi6 CARD_2x2 AX (CNVi/PCIE) 802.11 AX WLAN + BT5.0(M.2), 2 x 2 Antenna w/Internal (optional) Wi-Fi6 CARD_1X1 AX (CNVi/PCIE) 802.11 AX WLAN + BT5.0(M.2), 1 x 1 Antenna w/Internal (optional)
Audio	7.1 Channel High Definition Audio ASUS Two-Way AI Noise-Canceling Technology Dirac Audio Realtek ALC897-VA2-CG
Front I/O Ports	2 x Type A USB 3.2 Gen 1 1 x Type C USB 3.2 Gen 1 1 x combo audio jack (Black) 1 x SD card 2.0 (optional)
Rear I/O Ports	1 x HDMI port 1.4 4K@30Hz for UMA 1 x DP 1.4 HBR2 2 x USB 2.0 Type-A (Black) under RJ45, support USB K/B power on function 2 x USB 2.0 Type-A (Black) 1 x 1G LAN (RJ-45) port with LED indicator 3 x Audio jacks support 7.1 channel audio output (line in, line out, microphone)
Power Supply	180W power supply (TFX Single Output) (80+ Bronze) 330W power supply (TFX Single Output) (80+ Platinum)
Dimension	296(D)x 93(W)x 309(H)mm
Dimension with Carton	492(D)x 170(W)x 510(H)mm
Weight	Starting from 5kg (weight varies based on the selected options)
In the Box	Power cord Warranty card Quick start guide Keyboard/Mouse (optional)
Optional Accessories ⁷	SD card 2.0 3.5 HDD ASSEMBLY KIT 2280 SSD ASSEMBLY KIT
Security	Trusted Platform Module (TPM) 2.0 (onboard) Kensington lock slot HDD user password protection 1 year McAfee+ Premium membership
Software	ASUS AI ExpertMeet ASUS Control Center MyASUS AI Noise Cancellation
Energy Efficiency Compliance	Energy Star EPEAT Sliver

DISCLAIMER

1. The testing regime includes the requirements of both military-grade standards and ASUS quality tests and varies depending on device. MIL-STD-810H testing is conducted on selected ASUS products only. Note that the MIL-STD-810H testing helps to ensure the quality of ASUS products but does not indicate a particular fitness for military use. The test is performed under laboratory conditions. Any damage caused by attempts to replicate these test conditions would be considered accidental and would not be covered by the standard ASUS warranty. Additional coverage is available with ASUS Premium Care/ ASUS Business Support.
2. The figures are based on theoretical performance. Actual performance may vary in real-world situations.
3. Please note that ASUS ExpertCenter P500 SFF includes up to 2 x 1 TB M.2 SSD, and up to 1 x 2 TB 3.5" HDD, for total storage capacity of up to 4 TB.
4. 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.
5. 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.
6. When installing a graphics card after purchase, ensure you choose one from the Qualified Vendor List (QVL). Modern Standby on Windows 10/11 requires a compatible graphics card that supports this feature. Using an unsupported card may result in improper functionality of the slot.
7. All accessories may vary in different market. Brand and product names mentioned are trademarks of their respective companies.
8. Product specifications may differ from country to country. We recommend that you check with your local dealers for the specifications of the products available in your country.
9. Colors of products may not be perfectly accurate due to variations caused by photography and monitor settings.
10. Although we endeavor to present the most accurate and comprehensive information at the time of publication, we reserve the right to make changes without prior notice.