



ExpertCenter P500 Mini Tower | P500MV

Exceptional Value and Performance for Businesses of All Sizes

ExpertCenter P500MV 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.



Up to
Intel® Core i7
processor



NVIDIA®
GeForce®
graphics



Optimized
Thermal Design



Tool-free
design



US military
grade



TPM chip

Compact powerhouse

- 15.9-liter form factor for flexible vertical or horizontal placement
- Up to Intel® Core™ i7 processors²
- Up to 64GB DDR5 5600MHz (system memory speed run at 4800-5200MHz)
- Up to NVIDIA® GeForce® RTX™ 4060 discrete graphics³
- 90mm cooler fan with copper pipe thermal system
- Two-way AI noise-canceling technology
- SD card 2.0 / Smart card reader (optional)

Easy-to-upgrade design

- Tool-free design for hassle-free system maintenance and upgrade
- Full expansion slot : Up to 2 x DIMM ; 1 x 3.5" Internal HDD; 2 x M.2 SSD⁴

Built to last

- World's No.1 ASUS motherboard⁵ 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

Enterprise-grade security and management

- ASUS Control Center for one-to-multiple centralized management
- Trusted Platform Module 2.0 (TPM 2.0) data security

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

Warranty and Support



3-year global warranty⁶
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	P500MV
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 ⁷	NVIDIA® GeForce® RTX4060 DUAL 8GB GDDR6 : 3xDP, 1x HDMI NVIDIA® GeForce® RTX3050 DUAL 6GB GDDR6 : 3x DP, 1x HDMI 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 Wi-Fi) PCIe & CNVi colay
Serial ATA	2 x Serial ATA 6.0 Gb/s
Storage	Storage space: 1 x 3.5" to 2TB 7200rpm (support HDD tool-free design for 3.5" HDD) 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 Smart card reader/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 (L-B) line out (L-G) MIC (Pink)
Power Supply	180W power supply (TFX Single Output) (80+ Bronze) 330W power supply (TFX Single Output) (80+ Platinum)
Dimension	Without Handle : 296(D)x 155(W)x 347(H)mm Handle size : 29(H)mm
Dimension with Carton	395(D)x 246(W)x 510(H)mm
Weight	6kg (weight varies based on the selected options)
In the Box	Power cord Warranty card Quick start guide Keyboard/Mouse (optional)
Optional Accessories	Smart card reader + 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
Software	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.
2. ASUS ExpertCenter P500 Mini Tower offers up to Intel® Core™ i7 processor, availability varies according to country. Please check with your local ASUS retailer for details.
3. ASUS ExpertCenter P500 Mini Tower offers optional GPU up to NVIDIA® GeForce RTX™ 4060, availability varies according to country. Please check with your local ASUS retailer for details.
4. Please note that ASUS ExpertCenter P500 Mini Tower 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.
5. 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.
6. 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.
7. 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.
8. All accessories may vary in different market. Brand and product names mentioned are trademarks of their respective companies.
9. 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.
10. Colors of products may not be perfectly accurate due to variations caused by photography and monitor settings.
11. 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.
12. ASUS Expert Series Service Package 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.