



Desktop Core i5 16GB 512GB Intel UHD

Technical Specifications

Product Information

Brand	Asus
SKU	10459410
Manu Part #	P500MV-13420H2X

Processor

Processor base power	45 W
Processor cache	12 MB
Performance cores	4
Performance-core Max Turbo Frequency	4.6 GHz

Maximum turbo power	115 W
Efficient cores	4
Processor cache type	Smart Cache
Processor family	Intel Core i5
Efficient-core Max Turbo Frequency	3.4 GHz
Processor boost frequency	4.6 GHz
Processor generation	13th gen Intel Core i5
Processor model	i5-13420H
Processor threads	12
Processor manufacturer	Intel
Processor cores	8

Memory	
Internal memory type	DDR5-SDRAM
Memory slots	2x SO-DIMM
Internal memory	16 GB
Memory layout (slots x size)	1 x 16 GB
Maximum internal memory	64 GB

Certificates

Compliance certificates	REACH
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Ports & interfaces	
Number of front audio ports	1
DisplayPort version	1.4
DisplayPorts quantity	1
Number of rear USB ports	4
USB 32 Gen 1 (31 Gen 1) Type-C ports quantity	1
HDMI ports quantity	1
USB 32 Gen 1 (31 Gen 1) Type-A ports quantity	2
Ethernet LAN (RJ-45) ports	1
HDMI version	1.4
Combo headphone/mic port	Yes
USB 20 ports quantity	4
Number of front USB ports	3
Number of rear audio ports	3

Graphics	
On-board graphics card family	Intel UHD Graphics
On-board graphics card	Yes

On-board graphics card model	Intel UHD Graphics
On-board GPU manufacturer	Intel
Discrete graphics card	No
Discrete graphics card model	Not available

Design	
Chassis type	Mini Tower
Number of 35" bays	1
Cable lock slot type	Kensington
Cable lock slot	Yes
Colour name	Grey
Introduction year	2025
Volume	15 L
Product colour	Grey

Storage	
Storage media	SSD
M2 SSD size	2280 (22 x 80 mm)
NVMe	Yes
SSD capacity	512 GB

SSD form factor	M.2
Total SSDs capacity	512 GB
SSD interface	PCI Express 4.0
Total storage capacity	512 GB
Optical drive type	No
Number of SSDs installed	1

Weight & dimensions	
Height	347 mm
Width	155 mm
Depth	296 mm
Weight	6 kg

Packaging content	
Keyboard connectivity	Wired
Keyboard included	Yes
Mouse connectivity	Wired
Mouse included	Yes



Sustainability

Sustainability certificates

ENERGY STAR, EPEAT Silver

Network

Wi-Fi standards

Wi-Fi 6 (802.11ax)

Antenna type

2x2

Bluetooth

Yes

Wi-Fi

Yes

Top Wi-Fi standard

Wi-Fi 6 (802.11ax)

Ethernet LAN

Yes

Bluetooth version

5.4

Ethernet LAN data rates

10,100,1000 Mbit/s

Expansion slots

PCI Express x16 (Gen 4x) slots

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Software

Operating system architecture

64-bit

Trial software

1-month trial for new Microsoft 365 customers. Credit card required.

Operating system installed	Windows 11 Pro
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Performance	
Audio system	High Definition Audio
Password protection	Yes
Password protection type	HDD, User
Product type	PC
Trusted Platform Module (TPM)	Yes
Market positioning	Business
Trusted Platform Module (TPM) version	2.0
Audio output channels	7.1 channels

Power	
80 PLUS certification	80 PLUS Bronze
Power supply	180 W

Display	
Display included	No

Product Description

Exceptional Value and Performance for Businesses ASUS ExpertCenter P500 Mini Tower combines high-performance, business-grade security, and commercial-class services features in a compact and sleek design, providing budget-conscious small and medium business users 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.

