

## ASUS ExpertCenter V500 Mini Tower V500MV-13420H091W Intel® Core™ i5 i5-13420H 8 GB DDR5-SDRAM 512 GB SSD Windows 11 Home PC Black

**Brand :** ASUS

**Product family:** ExpertCenter

**Product code:** 90PF05R2-M00AA0

**Product name :**  
V500MV-13420H091W

- Windows 11 Home 64-bit

- Intel Core i5-13420H (12MB Cache)

- 8GB (5600MHz) DDR5-SDRAM (1 x 8) & 512GB SSD

Intel Core i5-13420H (12MB Cache), 8GB DDR5-SDRAM, 512GB SSD, Intel UHD Graphics, LAN, WLAN, Bluetooth, Windows 11 Home 64-bit

ASUS ExpertCenter V500 Mini Tower V500MV-13420H091W Intel® Core™ i5 i5-13420H 8 GB DDR5-SDRAM 512 GB SSD Windows 11 Home PC Black:

### Optimal Performance, Enhanced Productivity

ASUS V500 Mini Tower is the ideal PC for families, ready to elevate everyday tasks from research and study to the latest in modern entertainment and gaming. Powered by an up to Intel® Core™ i7 processor, NVIDIA® GeForce RTX™ 4060 graphics and fast DDR5 memory, it delivers exceptional performance. Superior thermal technology ensures optimal performance under any workload, while advanced AI noise-canceling technology creates a distraction-free environment. Built to last, ASUS V500 Mini Tower's all-solid capacitor design guarantees years of durable and reliable computing — ready to power through work and play.



| Processor                            |                          | Ports & interfaces                                |                       |
|--------------------------------------|--------------------------|---------------------------------------------------|-----------------------|
| Processor manufacturer *             | Intel                    | USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity * | 1                     |
| Processor family *                   | Intel® Core™ i5          | HDMI ports quantity *                             | 1                     |
| Processor generation                 | 13th gen Intel® Core™ i5 | HDMI version                                      | 1.4                   |
| Processor model *                    | i5-13420H                | DisplayPorts quantity                             | 1                     |
| Processor cores                      | 8                        | DisplayPort version                               | 1.4                   |
| Processor threads                    | 12                       | Ethernet LAN (RJ-45) ports                        | 1                     |
| Processor boost frequency            | 4.6 GHz                  | Combo headphone/mic port                          | ✓                     |
| Performance cores                    | 4                        | Number of rear USB ports                          | 4                     |
| Efficient cores                      | 4                        | Number of front USB ports                         | 3                     |
| Performance-core Max Turbo Frequency | 4.6 GHz                  | Number of front audio ports                       | 1                     |
| Efficient-core Max Turbo Frequency   | 3.4 GHz                  | Number of SATA III connectors                     | 2                     |
| Processor cache                      | 12 MB                    | Expansion slots                                   |                       |
| Processor cache type                 | Smart Cache              | PCI Express x16 (Gen 4.x) slots                   | 1                     |
| Processor base power                 | 45 W                     | Design                                            |                       |
| Maximum turbo power                  | 115 W                    | Chassis type *                                    | Mini Tower            |
| Memory                               |                          | Colour name                                       | Black                 |
| Internal memory *                    | 8 GB                     | Volume                                            | 15 L                  |
| Maximum internal memory *            | 64 GB                    | Number of 3.5" bays                               | 1                     |
| Internal memory type                 | DDR5-SDRAM               | Cable lock slot                                   | ✓                     |
| Memory layout (slots x size)         | 1 x 8 GB                 | Cable lock slot type                              | Kensington            |
| Memory slots                         | 2x SO-DIMM               | Product colour *                                  | Black                 |
| Memory clock speed                   | 5600 MHz                 | Introduction year                                 | 2025                  |
| Storage                              |                          | Performance                                       |                       |
| Total storage capacity *             | 512 GB                   | Market positioning                                | Everyday              |
| Storage media *                      | SSD                      | Audio system                                      | High Definition Audio |
| Optical drive type *                 | ✗                        | Audio output channels                             | 7.1 channels          |
| Total SSDs capacity                  | 512 GB                   |                                                   |                       |

| Storage                                           |                      | Performance                   |                                               |
|---------------------------------------------------|----------------------|-------------------------------|-----------------------------------------------|
| Number of SSDs installed                          | 1                    | Password protection           | ✓                                             |
| SSD capacity                                      | 512 GB               | Password protection type      | HDD, User                                     |
| SSD interface                                     | PCI Express 4.0      | Product type *                | PC                                            |
| NVMe                                              | ✓                    | Software                      |                                               |
| SSD form factor                                   | M.2                  | Operating system architecture | 64-bit                                        |
| M.2 SSD size                                      | 2280 (22 x 80 mm)    | Operating system installed *  | Windows 11 Home                               |
| Graphics                                          |                      | Trial software                | 1-month trial for new Microsoft 365 customers |
| Discrete graphics card *                          | ✗                    | Power                         |                                               |
| On-board graphics card *                          | ✓                    | Power supply *                | 180 W                                         |
| Discrete graphics card model *                    | Not available        | 80 PLUS certification         | 80 PLUS Bronze                                |
| On-board GPU manufacturer                         | Intel                | Certificates                  |                                               |
| On-board graphics card family                     | Intel® UHD Graphics  | Compliance certificates       | REACH                                         |
| On-board graphics card model *                    | Intel® UHD Graphics  | Sustainability                |                                               |
| Network                                           |                      | Sustainability certificates   | ENERGY STAR, EPEAT Silver                     |
| Ethernet LAN *                                    | ✓                    | Weight & dimensions           |                                               |
| Ethernet LAN data rates                           | 10,100,1000 Mbit/s   | Width *                       | 155 mm                                        |
| Cabling technology                                | 10/100/1000Base-T(X) | Depth *                       | 296 mm                                        |
| LAN controller                                    | Intel WGI219V        | Height *                      | 347 mm                                        |
| Wi-Fi *                                           | ✓                    | Weight *                      | 6 kg                                          |
| Top Wi-Fi standard                                | Wi-Fi 6 (802.11ax)   | Packaging data                |                                               |
| Wi-Fi standards                                   | Wi-Fi 6 (802.11ax)   | Package width                 | 395 mm                                        |
| Antenna type                                      | 2x2                  | Package depth                 | 246 mm                                        |
| Bluetooth                                         | ✓                    | Package height                | 510 mm                                        |
| Bluetooth version                                 | 5.4                  | Package weight                | 6.25 kg                                       |
| Ports & interfaces                                |                      | Packaging content             |                                               |
| USB 2.0 ports quantity *                          | 4                    | Mouse included                | ✗                                             |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2                    | Keyboard included             | ✗                                             |
|                                                   |                      | Display                       |                                               |
|                                                   |                      | Display included *            | ✗                                             |



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### Catalog Object Cloud



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