

## ASUS ExpertCenter PN64-S5024AD Intel® Core™ i5 i5-12500H 16 GB DDR5-SDRAM 256 GB SSD Windows 11 Pro Mini PC Black

**Brand :** ASUS

**Product family:** ExpertCenter

**Product code:** 90MS02G1-M000S0



**Product name :** PN64-S5024AD

- Windows 11 Pro 64-bit  
 - Intel Core i5-12500H (18MB Cache)  
 - 16GB DDR5-SDRAM & 256GB SSD  
 Intel Core i5-12500H (18MB Cache), 16GB DDR5-SDRAM, 256GB SSD, Intel Iris Xe Graphics, LAN, WLAN, Bluetooth, Windows 11 Pro 64-bit

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### New Processor Architecture Design

ASUS ExpertCenter PN64 is powered by the new 12th Gen Intel® Core™ CPU featuring a new hybrid processor design. It includes performance-cores (P-cores) dedicated to processing heavy loads and prioritized tasks, as well as efficient-cores (E-cores) catering to background tasks such as web browsing and PowerPoint presentations. This new core design enables PN64 to process multiple tasks simultaneously in the most efficient way possible.

| Processor                            |                          | Network   |                       |
|--------------------------------------|--------------------------|---|-----------------------|
| Processor manufacturer *             | Intel                    | Wi-Fi *   | ✓                     |
| Processor family *                   | Intel® Core™ i5          | Top Wi-Fi standard                                | Wi-Fi 6E (802.11ax)   |
| Processor generation                 | 12th gen Intel® Core™ i5 | Wi-Fi standards                                   | Wi-Fi 6E (802.11ax)   |
| Processor model *                    | i5-12500H                | Antenna type                                      | 2x2                   |
| Processor cores                      | 12                       | Bluetooth   | ✓                     |
| Processor threads                    | 16                       | Bluetooth version                                 | 5.3                   |
| Processor boost frequency            | 4.5 GHz                  | <b>Ports &amp; interfaces</b>                     |                       |
| Performance cores                    | 4                        | USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity * | 3                     |
| Efficient cores                      | 8                        | USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity * | 2                     |
| Performance-core Max Turbo Frequency | 4.5 GHz                  | HDMI ports quantity *                             | 2                     |
| Efficient-core Max Turbo Frequency   | 3.3 GHz                  | Ethernet LAN (RJ-45) ports                        | 1                     |
| Processor cache                      | 18 MB                    | Combo headphone/mic port                          | ✓                     |
| Processor cache type                 | Smart Cache              | DC-in jack  | ✓                     |
| Processor base power                 | 45 W                     | <b>Design</b>                                     |                       |
| Maximum turbo power                  | 95 W                     | Chassis type *                                    | Mini PC               |
| <b>Memory</b>                        |                          | Colour name                                       | ECO Black             |
| Internal memory *                    | 16 GB                    | Cable lock slot                                   | ✓                     |
| Maximum internal memory *            | 32 GB                    | Cable lock slot type                              | Kensington            |
| Internal memory type                 | DDR5-SDRAM               | Product colour *                                  | Black                 |
| Memory slots                         | 2x SO-DIMM               | <b>Performance</b>                                |                       |
| <b>Storage</b>                       |                          | Audio chip  | Realtek ALC3251-CG    |
| Total storage capacity *             | 256 GB                   | Audio system                                      | High Definition Audio |
| Storage media *                      | SSD                      | Built-in speaker(s)                               | ✗                     |
| Optical drive type *                 | ✗                        | Product type *                                    | Mini PC               |
| Total SSDs capacity                  | 256 GB                   |   |                       |
| Number of SSDs installed             | 1                        |   |                       |
| SSD capacity                         | 256 GB                   |   |                       |

| Storage                        |                         | Software                       |   |
|--------------------------------|-------------------------|--------------------------------|---|
| SSD interface                  | PCI Express 4.0         | Operating system installed *   | Windows 11 Pro  |
| NVMe                           | ✓                       | Operating system architecture  | 64-bit  |
| SSD form factor                | M.2                     | <b>Certificates</b>            |   |
| <b>Graphics</b>                |                         | Certification                  | BSMI/CB/CE/FCC/UL/CCC/Energy Star/C-Tick/WiFi/RF/VCCI |
| Discrete graphics card *       | ✗                       | <b>Weight &amp; dimensions</b> |   |
| On-board graphics card *       | ✓                       | Width *                        | 120 mm  |
| Discrete graphics card model * | Not available           | Depth *                        | 130 mm  |
| On-board graphics card model * | Intel Iris Xe Graphics  | Height *                       | 58 mm   |
| <b>Network</b>                 |                         | Weight *                       | 1 kg  |
| Ethernet LAN *                 | ✓                       | <b>Packaging content</b>       |   |
| Ethernet LAN data rates        | 10,100,1000,2500 Mbit/s | Display included *             | ✗   |



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