ASUS ExpertCenter PN53-BBR777HD 0.92L sized PC Black 7735H 3.2 GHz

Model: 90MR00S2-M001F0

Manufacturer: ASUS

EAN: 4711387162781

Product Code: 840841

R12,115

Ultra-compact mini PC with AMD Ryzen™ 7000H series processors and AMD Radeon ™ Graphics, supports Quad-4K displays and 8K resolution, 2x PCIe® Gen4x4 M.2 NVMe® SSD, 2.5 Gb LAN, WiFi 6E

Ultra-compact Mini PC provides flexible, comprehensive solutions

ASUS ExpertCenter PN53 is no lightweight when it comes to performance. It harnesses the power of the latest AMD Ryzen™ 7000 series processor combined AMD Radeon™ 680M series graphics, and

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can accommodate multiple storage combinations. There’s also two ultrafast PCIe® Gen 4 SSD slots and DDR5 support to ensure fast boot times and rapid app loads.

System & CPU Performance

PN53 delivers a system performance uplift of up to 10% better performance in daily multitask computing, comparing to previous generation - providing powerful computing capacity and enabling easy multitasking and smooth operation.

Graphics Performance

ExpertCenter PN53 gets a significant graphical boost with Radeon™ Graphics to deliver crisp, clear visuals that are way ahead of its class. It delivers a marked improvement, raising its score from 55% in 3DMark Fire Strike and increasing 49% 3DMark Night Raid performance benchmarks.

Ultrafast PCIe® 4.0 SSD

PCIe 4.0 doubles the data transfer rate of the prior PCIe 3.0 standard. ExpertCenter PN53 support one PCIe Gen4 x4 SSD to deliver greater data performance and lower latency.

*Test model: ASUS Mini PC | SAMSUNG GXA7301Q vs. SAMSUNG EXD7201

*Actual performance may vary depending on objective environmental changes.
Versatile USB 4 Type-C*

Versatile USB 4 Type-C

Power Delivery

The Power Delivery (PD) function can either receive power from a supported display* or supply power to mobile devices.

Superfast data transfers

Experience up to 40 Gbps data transmission speeds with USB*

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DisplayPort™

Enjoy up to 8K @ 30 Hz video output*.

* Power Delivery (PD) input only supported by the rear USB 4 port.
* Actual speed may vary depending on devices and applications

Faster and Better DDR5 RAM

ASUS ExpertCenter PN53 is powered by the new AMD 6000 Series CPU supporting the next gen memory - DDR5. With DDR5 4800MHz memory that is 1.5X faster and 8% more energy efficient than DDR4 3200MHz memory, PN53 provides excellent performance for daily computing tasks.

4K Resolution & Quad Display Support

Integrated AMD Radeon 600M series graphics enable ExpertCenter PN53 to display stunning 4K UHD videos and imagery. With HDMI, USB-C DisplayPort and a configurable port that can be specified for video signal output, PN53 lets you extend your workspace across up to four displays.

4K Resolution & Quad Display Support

*Video playing or streaming in 4K or higher resolution requires dual channel memory configuration
*Configurable ports are confirmed SKU before configuring
*Actual resolution may vary depending on devices and application changes.
Ultra-realistic 8K Visuals

ExpertCenter PN53 supports stunning 8K UHD visuals via USB 4 or the configurable video output ports for detail four times greater than 4K, or a remarkable 16 times that of traditional FHD visuals. PN53 is capable of pumping out 8K imagery at 30 Hz via USB 4 or DisplayPort 1.4; or up to 60 Hz through HDMI 2.1* to bring images to life.

Exceptional Connection Experience – Wi-Fi 6 & Wi-Fi 6E*

The built-in WiFi 6 module allows ExpertCenter PN53 to deliver smooth high-resolution video streams, fewer dropped connections, and faster performance farther away from the router, even in

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dense environments. WiFi 6E is an expanded version of WiFi 6 to support high-speed 160 MHz channels.

And Wi-Fi 6E is the expanded version of Wi-Fi 6 to support extra high-speed 160MHz channels*.

Configurable Port

ExpterCenter PN53 is well-equipped for a wide range of functions and can be used for digital signage, POS systems or intelligent vending machines. The configurable port can be specified with either HDMI, VGA, DisplayPort, or COM ports, for monitors or legacy devices such as barcode scanners or receipt printers.

*Configurable ports are confirmed SKU before configuring.

Superfast 2.5 Gbps Networking

2.5 Gb Ethernet provides superfast networking and data transfer speeds for efficient, productive multitasking.

Easy modification,
maximum possibilities

An optional multi-storage design that accommodates up to two PCIe Gen4 M.2 SSD and a 2.5-inch solid-state drives(SSD) or hard disk drives (HDD) for added storage flexibility.

Power Delivery (PD) – Input & Output

PD input lets the monitor* provide power to ExpertCenter PN53 via a single USB-C cable, allowing for a neater workstation. ExpertCenter PN53 is able to receive power and deliver a DisplayPort signal via this connection, and also supply power to charge mobile devices.

Extreme cooling

To unleash high-end performance in such a compact machine, ASUS designers and engineers fine-tuned every aspect of the ExpertCenter PN53’s cooling system. The self-cleaning fan module includes flat heat pipes that are connected to full-sized heatsinks and fan outlets. This

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comprehensive cooling solution enables the CPU to operate at optimum temperatures for stronger performance that lasts.

Extreme cooling

*All test data is according to ASUS testing result, comparing to early generation design.
*Actual performance may vary depending on objective environmental changes.
Anti-Dust Self-Cleaning System

The Anti-Dust Self-Cleaning System not only keeps the heatsinks clean, but also effectively ejects the dust and other particles to prolong the lifespan of the system. The fan is never overworked, so less noise is generated for a quieter workstation.

Enhanced Software - MyASUS

AI Noise Cancelation

Two-Way AI Noise Cancelation

Filters unwanted noise from the microphone and incoming audio for crystal-clear voice communication.
AI Noise Cancelation
System Diagnosis

Hardware diagnostic
Scenario check-up
Provides brief descriptions to enable users to identify different situations encountered and select the ideal diagnostic checkup required.
System Diagnosis
Smart Fan Control

Performance & Quiet modes

Gives users the flexibility to use maximum fan speed during heavy loads or switch to a lower speed for silent operation.
Smart Fan Control

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Other Functions

WiFi SmartConnect

Optimizes the wireless connection

TaskFirst

Allocate networking bandwidth to specific tasks.

Link to MyASUS

Allows users to connect the computer to a mobile device.

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