

MINI PC Minis Forum UM870 Plus Ryzen 7 8745H barebone



Model: UM870 Plus barebone

Manufacturer: MINIS FORUM

EAN: 4897118833721

Product Code: 303473

R9,687

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The Minisforum UM870 Plus is a barebone mini PC with a small footprint, but surprisingly high computing power. It is equipped with an 8-core, 16-thread AMD Ryzen™ 7 8745H processor based on Zen 4 architecture without pre-installed RAM and SSD. It offers multiple ports, including USB4, HDMI 2.1, DisplayPort 1.4 and OCulink, allowing you to connect up to 3 4K monitors or an external graphics card. Wi-Fi 6E support, a 2.5G Ethernet port, and expandable storage and RAM make the device great for both everyday work and performance-intensive applications.

Next-generation processor - AMD Ryzen™ 7 8745H

The MINI PC Minis Forum UM870 Plus is equipped with a Ryzen™ 7 8745H processor built with 4 nm lithography (TSMC FinFET). It offers 8 cores and 16 threads, which translates into high performance

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in both single-threaded and multi-threaded applications. The clock frequency reaches 4.9 GHz in turbo mode, so the device guarantees smooth operation even under heavy load. The Zen 4 architecture improves efficiency with better performance per watt. As a result, the computer is ready to handle creative, business and technical tasks.

Self-configurable memory and disk

The barebone version does not include RAM or SSD - you can choose the right components for your own needs. The Minis Forum UM870 Plus supports 5600 MHz DDR5 RAM (up to 96 GB) and 2 M.2 PCIe 4.0 SSDs, and data space can be expanded to a total of 4 TB.

Ready for graphics expansion with OCulink

Built-in AMD Radeon™ 780M graphics allow for comfortable use of everyday applications and multimedia. For more demanding users, there is OCulink, allowing the connection of an external graphics card. The graphics expansion allows you to significantly increase performance without having to replace the entire device.

Support for three monitors

HDMI 2.1, DisplayPort 1.4 and USB4 ports allow connecting up to 3 4K monitors simultaneously. Such a solution allows you to efficiently manage your workspace and conveniently use multiple applications at the same time. USB4 offers a bandwidth of up to 40 Gbps, making it easy to transfer large files, charge quickly and use modern accessories without delays.

Quiet and efficient cooling

The Minis Forum UM870 Plus PC uses a phase-change cooling system that transforms the state of matter to efficiently dissipate heat. Combined with a large, quiet fan and 3 heat pipes, the unit keeps operating temperatures low while generating noise below 35 dB - equivalent to the sound level in a library. A temperature drop of about 25% positively affects the stability of operation and longevity of components.

Stable wired and wireless connectivity

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The 2.5G RJ45 Ethernet port with link aggregation provides up to 10 Gbps of bandwidth, which is important for transferring large files or working in networked environments. The UM870 Plus also supports Wi-Fi 6E and Bluetooth 5.3, which translates into fast, stable and energy-efficient wireless connections. The computer maintains smooth communication with other devices and the network regardless of conditions.

Freedom in the selection of components

With the addition of RAM, a drive and an operating system, the UM870 Plus will work well both as a home computer and as a work tool in businesses, edge computing or IoT environments.

Included:

- Mini PC
- Power supply
- Power cable
- Wall mounting bracket
- HDMI cable
- M.2 to OCulink adapter
- User manual

Manufacturer	Minis Forum
Model	UM870 Plus barebone
Processor	AMD Ryzen™ 7 8745H
Architecture	Zen 4
Number of cores	8
Number of threads	16
Base frequency	3.8 GHz
Maximum frequency	4.9 GHz

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Processor technology	TSMC 4nm FinFET
RAM type	DDR5
RAM memory	0 (no factory RAM)
RAM frequency	5600 MHz
Maximum RAM capacity	96 Gb
SSD type	M.2 2280 PCIe4.0 SSD ×2
SSD capacity	0 (no factory disk)
Maximum SSD capacity	4 TB
Graphics card	AMD Radeon™ 780M
Connectivity	M.2 2230 with support for Wi-Fi 6E and Bluetooth 5.3
Ports	RJ45 2.5G Ethernet x1, USB-A 3.2 Gen2 x2, USB-A 2.0 x2, USB4 x1 (Alt PD), HDMI2.1 x1, DP1.4 x1, OCulink x1, Audio Jack x1
Operating system	none
Cooling system	built-in fans
Mounting	on a desk
Power supply	19V/6.32A

Gross weight: 1470, Net weight: 600, Box length: 18,00, Box width: 16,00, Box height: 11,00,
Information about data generation: https://dataact.innpro.pl/minis_forum/4897118833721

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