

MINIS FORUM M1 Plus Core i5- 12600H Mini PC Barebone



Model: M1Plus-b

Manufacturer: MINIS FORUM

EAN: 4897118837002

Product Code: 1566730

R9,522

MINIS FORUM M1 Plus Mini PC

The MINIS FORUM M1 Plus Mini PC with an Intel Core i5-12600H processor (barebone version) is a compact desktop computer that combines high performance with full customization options. It features an Intel Core i5-12600H processor (12 cores, 16 threads, up to 4.5 GHz), support for up to 96 GB of DDR5 memory (4800–5200 MHz), and space for a high-speed NVMe PCIe 4.0 drive. It also offers modern connectivity, including USB4 at 40 Gbps, HDMI 2.1, DisplayPort 1.4, Wi-Fi 6E, and Bluetooth 5.2, making it easy to connect multiple devices simultaneously. It is worth noting that this is a barebone version, so it does not include RAM, a drive, or an operating system. This allows the user to decide on the final configuration themselves, tailoring the hardware to their own needs.

Performance tailored for work and entertainment

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The Intel Core i5-12600H processor offers an excellent balance between performance and energy efficiency, making it suitable for both office work and more demanding tasks. With 12 cores and 16 threads, the computer handles multitasking efficiently, allowing you to work in multiple applications simultaneously without any loss of smoothness. High clock speeds in turbo mode result in faster program launches and shorter data processing times. Additionally, ample processing power allows for comfortable use of graphics editing tools, programming, or working with large files.

Graphics Dependent on Memory Configuration

This model features an integrated Intel graphics chip, whose performance depends directly on the RAM configuration. When using two modules (dual-channel), the more powerful Intel Iris Xe graphics are activated, which translates to better multimedia and graphics performance. If only a single memory module is used, the system relies on the less powerful Intel UHD graphics, which may limit the hardware's capabilities. This is important information when selecting components for a barebone system, as the right choice of RAM has a real impact on performance.

Modern DDR5 memory and fast storage

DDR5 memory support provides higher bandwidth compared to older standards, which translates to smoother system and application performance. The ability to expand up to 96 GB offers great flexibility when building configurations for professional work or advanced multitasking. Meanwhile, the NVMe PCIe 4.0 drive enables extremely fast data access, reducing system and application load times. As a result, the computer responds efficiently even under heavy use. The active cooling system is designed to effectively dissipate heat from key components, such as memory and the drive. This allows the computer to maintain stable performance even during prolonged heavy use. At the same time, noise levels remain low at up to 45 dB, which is important when working in a quiet environment.

Extensive connectivity and ample expansion options

The Mini PC is equipped with a set of ports that allows for convenient connection of multiple devices without the need for additional adapters. The USB4 port, with a bandwidth of up to 40 Gbps, enables fast data transfer, video output, and power delivery to compatible devices via a single cable. The inclusion of HDMI 2.1 and DisplayPort 1.4 allows for the simultaneous support of up to three high-

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resolution monitors. This configuration is particularly well-suited for office work, design, or data analysis. As a result, the workspace can be more organized and functional.

Stable network connection

The device offers two 2.5GbE LAN ports, which provide a fast and stable wired connection. This solution is ideal for environments requiring reliability, such as when working with servers or large files. The ability to use two ports also allows for more advanced network configurations. Additionally, the Wi-Fi 6E module provides a fast, low-latency wireless connection. Bluetooth 5.2 makes it easy to connect accessories such as headphones, a keyboard, or a mouse. The compact chassis makes it easy to set up the computer even in a limited workspace. The package includes a dedicated mounting bracket that allows the device to be installed, for example, behind a monitor or under a desk.

Included

- MINIS FORUM M1 Plus Mini PC (barebone)
- 120 W power supply
- Power cable
- HDMI cable
- Set of mounting screws
- Mounting bracket
- User manual

Manufacturer	MINIS FORUM
Model	M1 Plus
Processor	Intel Core i5-12600H (12 cores, 16 threads, up to 4.5 GHz)
Graphics	Intel Iris Xe (with dual-channel memory) / Intel UHD Graphics (with single-channel)
RAM	DDR5 SO-DIMM, dual-channel
Maximum RAM capacity	up to 96 GB

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Memory clock speed	4800 MHz (default), up to 5200 MHz (max.)
Storage	1× M.2 2280 NVMe PCIe 4.0 slot
Wireless connectivity	Wi-Fi 6E, Bluetooth 5.2
Wired networking	2× 2.5GbE LAN (RJ45)
Video ports	1× HDMI 2.1, 1× DisplayPort 1.4, 1× USB4 (DisplayPort Alt Mode)
USB ports	1× USB4 (40 Gbps, PD, Alt DP), 2× USB 3.2 Gen2 Type-A, 2× USB 2.0
Audio	1× 3.5 mm jack (combo jack)
Power	19V / 6.32A (120 W)

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