

Mini PC GMKtec M8 Ryzen 5 PRO 6650H 16GB 512GB Win 11 Pro

Model: M8

Manufacturer: GMKTEC

EAN: 6972570964454

Product Code: 1063859

R12,224

M8 Ryzen 5 PRO 6650H MINI-PC 16GB RAM + 512GB SSD

The M8 Mini PC is a compact mini computer designed for high performance and rich functionality. The 6-core, 12-thread AMD Ryzen 5 PRO 6650H processor achieves a clock speed of up to 4.5 GHz and works with AMD Radeon 660M graphics, ensuring efficient handling of advanced applications and multimedia. 16 GB of LPDDR5 6400 MT/s RAM and a fast PCIe 3.0 M.2 2280 SSD (512 GB) guarantee lightning-fast Windows 11 Pro performance and smooth operation. The device supports three displays simultaneously (HDMI, DP, and USB4), offers Wi-Fi 6E, Bluetooth 5.2, and dual 2.5G LAN ports, all housed in a 110 × 108 × 64 mm chassis.

AMD Ryzen 5 PRO 6650H processor

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The powerful AMD Ryzen 5 PRO 6650H computing unit, manufactured using 6 nm lithography, offers 6 cores and 12 threads, a maximum clock speed of 4.5 GHz, and 16 MB of L3 cache. This provides the high computing power necessary for demanding office tasks, design work, and technical applications. With its extensive security features, the processor is also ideal for corporate environments.

Support for three 8K monitors

The Mini PC allows you to display images simultaneously on three screens in 8K resolution at 60 Hz via HDMI 2.0, DisplayPort 1.4, and a USB4 port with DisplayPort support. This configuration enables comfortable multi-monitor work, increasing productivity and allowing you to conveniently manage your workspace.

Efficient data storage

The device is equipped with a 512 GB PCIe 3.0 M.2 2280 SSD drive. Users can easily expand storage with two PCIe 4.0 x4 slots, each supporting up to 8 TB of storage. The tool-free design makes drive expansion quick and convenient.

LPDDR5 6400 MT/s RAM

16 GB of LPDDR5 RAM mounted directly on the motherboard provides exceptional bandwidth and low latency. Speeds of up to 6400 MT/s mean faster application loading, smooth switching between tasks, and better energy efficiency, making the mini PC suitable for intensive multitasking.

Stable wireless connectivity

The Wi-Fi 6E module provides fast data transfer and a stable connection in three bands – 2.4 GHz, 5 GHz, and 6 GHz – with actual speeds of up to 2.4 Gbps. With Bluetooth 5.2, you can seamlessly connect the device to accessories such as a mouse, keyboard, headphones, or speakers.

Dual 2.5G Ethernet – fast wired network

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Two RJ45 connectors with 2.5G LAN support guarantee high network bandwidth of up to 2500 Mbps. This solution enables,among other things,fast copying of large files, use of NAS servers, and connection aggregation to increase available bandwidth.

Effective cooling with dual fans

The cooling system in the NucBox M8 is based on two fans and copper pipes, which enable effective heat dissipation. Depending on your needs, you can switch between quiet (28W), balanced (35W), and efficient (40W) modes, maintaining stable operation even under prolonged load.

Extensive connectivity options

The mini computer offers a wide range of ports: 3 x USB 3.2, 1 x USB 2.0, 1 x USB4 (PD, DP, 40 Gb/s), 1 x HDMI 2.0, 1 x DP 1.4, 1 x OCuLink (PCIe Gen4 x4), 3.5 mm audio jack, and 2 x LAN 2.5G. The OCuLink port allows you to connect an external eGPU graphics card for desktop-class performance. The package is completed with a Kensington lock and a 20V/5A (100W) power supply.

Included

- GMKtec M8 Mini PC
- User manual/warranty card
- AC cable
- DC power supply
- HDMI cable

Manufacturer	GMKtec
Model	M8
Dimensions	110 × 108 × 64 mm
Case material	Metal, plastic
Weight	482 g

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Processor	AMD Ryzen 5 PRO 6650H
Max. clock speed	4.5 GHz
Power consumption	28 W / 35 W / 40 W (operating modes)
RAM	LPDDR5 6400 MT/s
RAM capacity	16 GB
EMMC	No
SSD	M.2 2280 512 GB (PCIe 3.0, factory-installed), 2 x M.2 2280 PCIe 4.0 x4 (supports up to 2 × 8 TB)
2.5" HDD/SSD support	No
TF card reader	No
Real-time clock start:	Supported
BIOS support	Yes
TPM	TPM 2.0 support
Video outputs	1 x HDMI 2.0, 1 x DisplayPort 1.4, 1 x USB 4.0 (with DisplayPort)
Status indicator	Power status LED
Wi-Fi	Wi-Fi 6E
Interface type	PCIe
Bluetooth	Bluetooth 5.2
Bluetooth interface	BT5.2
Built-in Wi-Fi	Yes
Built-in Bluetooth	Yes
LAN	2 x Giga LAN (2.5G / 1G / 100M / 10M)
USB 2.0	1 x USB-A 2.0
USB 3.2	3 x USB-A 3.2 Gen2
External memory expansion	No
Audio/video outputs	1 × HDMI 2.0, 1 × DP 1.4, 1 × USB4 (DisplayPort), 1 x OCuLink
Ethernet ports	2 x RJ45 (2.5G)
Data transfer	Yes
Buttons	Power button x1

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DC IN	Yes
Audio input/output	1 x 3.5 mm headphone jack (CTIA)
Antennas	Built-in dual antenna
Operating system	Windows 11 Pro installed, Linux support
Operating temperature	0-40 ℃
Storage temperature	0-40 ℃
Humidity	35%-80%RH, non-condensing
Power supply	DC IN 20V 5A =100W
IR remote control	No
VESA	Yes
Radio bands	Wi-Fi 2.4G / Wi-Fi 5G / Wi-Fi 6E / BT
Max. transmission power	18.5dBm(AMD RZ616 Wi-Fi Module Theoretical Values)

GPSR Link: https://psr-assets.innpro.pl/it_accessories/sg_it_accessories_others.pdf, Gross weight: 1640, Net weight: 480, Box length: 18,50, Box width: 18,50, Box height: 13,00, PPWR: https://ppwr.innpro.pl/gmktec

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