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Mini PC GMKtec M3 Intel i5-12450H 16GB RAM + 512GB SSD WIN 11 Pro

Model: M3-512

Manufacturer: GMKTEC

EAN: 6972570962269

Product Code: 1207251

R12,749

Mini PC GMKtec M3 Intel i5-12450H 16GB RAM + 512GB SSD WIN 11 Pro

The GMKtec M3 is a unit based on an 8-core, 12-threaded Intel Core i5-12450H processor that clocks up to 4.4GHz and provides high performance for multitasking. The use of 16GB DDR4 dual channel RAM and a 512GB PCIe 3.0 SSD translates into fast booting, lightning-fast data loading and stable application performance. The mini PC supports simultaneous operation on 3 monitors at 4K resolution - 2 HDMI 2.0 outputs and a USB-C port with DisplayPort 1.4 support allow you to expand your workstation without additional adapters. The device supports Wi-Fi 6, Bluetooth 5.2 and 2.5G wired networking. The compact form factor (114 x 106 x 42.5 mm) goes hand in hand with plenty of ports and pre-installed Windows 11 Pro. The GMKtec M3 computer can be placed directly on a desk or mounted on the back of a monitor with the included VESA mount.

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Intel Core i5-12450H processor

The Intel Core i5-12450H processor, offering 8 cores and 12 threads, is responsible for the computer's performance. With a base clock speed of 3.3 GHz and turbo capabilities of up to 4.4 GHz, it ensures high system responsiveness and smooth operation for office, multimedia and graphics processing tasks. Integrated Intel UHD Graphics (48EU) provides efficient image processing.

Support for up to three 4K monitors

With 2 HDMI 2.0 ports and one USB-C with DisplayPort 1.4 support, the GMKtec M3 mini PC allows you to connect 3 monitors simultaneously and display images in 4K resolution at 60 Hz refresh rate. So you can comfortably work with, for example, a spreadsheet, a browser and an office application - everything will be visible on separate screens. The solution used is particularly useful for data analysis, content editing or project management.

Fast access to data

The 512GB PCIe 3.0 SSD provides efficient operation of the system and applications. Reading data at speeds of up to 3,500 MB/s reduces boot time and improves the overall responsiveness of the computer. The device allows you to expand storage space - it supports M.2 2280 PCIe media up to 2 TB and M.2 2242 SATA media up to 2 TB.

Dual-channel 16 GB DDR4 RAM

The installed 16 GB of 3200 MHz DDR4 memory operates in dual-channel mode (2 x 8 GB), which improves system throughput and stability when running multiple applications simultaneously. This configuration works well for office and educational tasks, as well as handling light graphics or multimedia projects.

Stable and fast wireless connections

The wireless connectivity module supports dual-band Wi-Fi 6 in a 2x2 configuration, offering speeds of up to 2,400 Mbps. This standard provides faster transfer speeds, lower latency and stable connectivity in environments with multiple active devices. Bluetooth 5.2 enables efficient pairing

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with peripherals such as keyboards, mice and headphones.

Reliable Internet access

An RJ45 port based on the Intel I225V controller enables wired network connectivity of up to 2.5 Gbps. Tests have yielded write speeds of up to 271 MB/s and transmission speeds of up to 230 MB/s - such parameters are ideal for working with large files, operating local servers, and network applications requiring stability and high bandwidth. The device works with Linux- and Proxmox-based systems.

Efficient cooling

The cooling system is based on copper heatpipes and a turbine-type fan. The airflow is designed to effectively dissipate heat from all sides, allowing the device to maintain optimal operating temperatures even during long and intensive use. The design minimizes noise, which positively affects the comfort of work.

High availability of ports

Despite its compact size, the device offers a wide selection of ports, including 3x USB-A 3.2, 1x USB-A 2.0, 1x USB-C (with DisplayPort 1.4 and data transfer support), 2x HDMI 2.0, 1x 3.5mm audio jack and 1x LAN port. This configuration allows you to connect multiple accessories simultaneously without the need for additional adapters.

Included:

- Mini PC
- HDMI cable
- Power adapter with power cable
- VESA mount and screws
- User manual

Manufacturer GMKtec

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Model	M3-512
Dimensions	114 x 106 x 42.5 mm
Housing material	Frame: oxidized sandblasted metal / top: tempered glass / bottom: plastic
Weight	430 g
Processor	Intel Core i5-12450H
Max. clock speed	4.4 GHz
Power consumption	45 W
RAM	DDR4 3200
Memory	16 GB
EMMC	No
SSD	M.2 2280 512 GB (built-in), support up to 2 TB / M.2 2242 SATA (expansion) support up to 2 TB
2.5" HDD/SSD support	No
TF card reader	No
Real-time clock start	Yes
Other BIOS support	Yes
TPM	TPM 2.0 support
Video outputs	2 x HDMI, 1 x USB-C
Status indicator	Power status light
Wi-Fi	Wi-Fi 6
Interface type	PCIe
Bluetooth	Bluetooth 5.2
Bluetooth interface	USB 2.0
Built-in Wi-Fi	No
Built-in Bluetooth	No
LAN	1x Giga LAN (2500M / 1000M / 100M / 10M)
USB 2.0	1 x USB-A 2.0
USB 3.2	3 x USB-A 3.2

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External memory expansion	No
Audio/video outputs	2 × HDMI 2.0
Ethernet Ports	1 × RJ45
Data transfer	Yes
Buttons	Power button x1
DC IN	Yes
Audio input/output	1 x 3.5mm headphone jack (input/output)
Antenna	FPC Wi-Fi + Bluetooth, FPC Wi-Fi
Operating system	Windows 11 Pro installed, supports Linux
Operating temperature	0°C to 40°C
Storage temperature	0-40°C
Humidity	10-90%RH
Power supply	Input: 100-240V 50/60Hz, Output: 20V/5A 100W, DC 5.5/2.5mm
IR remote control	No
VESA mounting	Yes
Radio bands	Wi-Fi 2.4G / Wi-Fi 5G / BT
Max. transmitting power	17 dBm / 14 dBm / 6 dBm

Gross weight: 1470, Net weight: 430, Box length: 16,00, Box width: 15,50, Box height: 11,50, Pobierz instrukcję: 6972570962269, GPSR Link: https://psr-assets.innpro.pl/it_accessories/sg_it_accessories_others.pdf, Information about data generation: https://dataact.innpro.pl/gmktec/6972570962269, PPWR: https://ppwr.innpro.pl/gmktec

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