

MINI PC GMKtec M6 Ultra AMD Ryzen 5 7640HS 16GM RAM + 512GB SSD WIN 11 PRO

Model: M6U-512

Manufacturer: GMKTEC

EAN: 6972570964126

Product Code: 1054985

R15,162

MINI-PC GMKtec M6 Ultra AMD Ryzen 5 7640HS 16GM RAM + 512GB SSD WIN 11 PRO.

Work even more efficiently. The GMKtec M6 Ultra Mini PC uses the AMD Ryzen 5 7640HS processor with 6 cores and 12 threads to deliver exceptional performance for everyday and professional tasks. With 16 MB of L3 cache memory and energy-efficient TSMC 4 nm FinFET architecture, the PC offers high-speed processing with low power consumption (50 W max). Integrated AMD Radeon 760M RDNA3 graphics with 8 cores and clocked at up to 2,600 MHz allow you to comfortably work with graphics, video and multiple monitors simultaneously - even in a three-screen configuration (HDMI 2.0, DP, USB4.0). The device also supports the latest Wi-Fi 6E and Bluetooth 5.2 connectivity

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standards, ensuring fast wireless connections and stable communication with accessories. Adequate operating temperature is maintained by a dual cooling system, guaranteeing stable operation without performance drops.

Realistic graphics and smooth images

The GMKtec M6 Ultra mini PC is equipped with an integrated AMD Radeon 760M graphics chip based on RDNA3 architecture, which offers quality comparable to dedicated GPU cards. It enables comfortable gameplay and multimedia work in Full HD resolution, providing smoothness of up to 130 FPS in dynamic action games and about 60 FPS in more demanding titles. High graphics performance allows you to enjoy detailed images, realistic effects and stable performance of creative applications regardless of the intensity of tasks.

Versatile ports

The computer allows you to conveniently connect all the necessary devices. At your disposal are such ports as USB4.0 (Full Function), 4x USB 3.2 / 2.0, HDMI 2.0 (4K@60Hz), DisplayPort, as well as 2x 2.5G LAN (RJ45, Intel i226V), providing an ultra-fast and stable network connection of up to 2.5 Gbps. In addition, there is a 3.5mm audio jack (CTIA), DC IN and a security lock. Such a rich configuration makes the computer effortlessly compatible with monitors, office accessories, networking equipment and gaming peripherals. The USB4.0 port, with up to 40 Gbps bandwidth, enables lightning-fast data transfer and support for external devices such as eGPUs and high-speed SSDs. It also supports Power Delivery - up to 100 watts at input power and 15 watts at output power (5V/3A), allowing simultaneous charging and data transfer with maximum efficiency. In addition, it supports 4K@60Hz video output, so it can act as an additional video port.

Three screens, one command center

The GMKtec M6 Ultra takes work and entertainment to a whole new level with support for three simultaneous monitors at resolutions up to 8K. HDMI 2.0 (4K@60Hz), DisplayPort (8K@60Hz) and USB4.0 ports with up to 40 Gbps data transfer and Power Delivery / DisplayPort support allow you to create a powerful multi-screen workstation. It's ideal for those working with graphics, video editing, data analysis or multitasking - images remain sharp, smooth and full of detail, regardless of the number of applications open.

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Faster and more stable connection

The computer supports the latest Wi-Fi 6E standard, which uses an additional 6 GHz band, offering wider transmission bandwidth, lower latency and higher throughput. This ensures that the wireless connection remains stable even in high-traffic environments - ideal for remote work, transferring large files or online gaming. This is complemented by Bluetooth 5.2, providing fast and reliable connectivity to accessories such as keyboards, headphones and controllers.

Three modes of operation for complete control

The GMKtec M6 Ultra offers three performance levels that allow you to tailor the computer's performance to your current needs. Silent mode (35 watts) provides quiet, energy-efficient operation ideal for Internet browsing or office tasks. In Balanced mode (45 watts), the device maintains an optimal balance between power and culture, proving itself in everyday use. For maximum performance, there is a Performance mode (50 W), which takes full advantage of the processor's potential, offering smoothness in games, video editing and compute-intensive projects. The VC cooling system, which effectively dissipates heat and reduces noise, is responsible for stability and low temperatures.

Refined design

Inside the chassis there are two SO-DIMM DDR5 4800 MT/s slots, which allow the installation of up to 128 GB of RAM (max. 64 GB per slot). In addition, the computer features two M.2 2280 PCIe 3.0 slots with PCIe 4.0 support, allowing the installation of ultra-fast SSDs with a total capacity of up to 8 TB. The well-thought-out design makes it easy to access components, so replacing or expanding memory and drives is quick and requires no specialized tools. Responsible for stable operation of the GMKtec M6 Ultra is an advanced cooling system with two copper turbines and dual fans, which provides up to 30% better heat dissipation efficiency compared to traditional designs. Thanks to the intelligent 360° Airflow, the unit maintains optimal temperatures even under heavy load. The directional airflow design and quiet operation (≤38 dB) make the computer run almost silently, while protecting components - including the SSD and RAM - from overheating. This is a guarantee of high operating culture and long-term reliability in any conditions.

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Included:

- Mini PC
- Power supply with cable
- HDMI cable
- VESA mount
- Screws
- User manual

Manufacturer	GMKTec
Model	M6 Ultra
Dimensions	128.8 × 127 × 47.8 mm
Housing material	Plastic
Weight	502 g
Processor	AMD Ryzen 5 7640HS
Max. clock	5.0 GHz
Base clocking	4.3 GHz
Power consumption	50 W
RAM type	DDR5 4800
RAM capacity	16 GB (DDR)
EMMC	No
SSD	M.2 2280 512 GB (included), support up to 8 TB × 2 (M.2 2280) Total max 16 TB
2.5'' HDD/SSD support	No
TF card reader	No
Real-time clock start	Yes
BIOS support	Yes
TPM	TPM 2.0 support (software)
Video outputs	HDMI 2.0 × 1, DP × 1, USB-C (DisplayPort/PD/Data) × 1
Status indicator	Power LED (white)

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Wi-Fi	Wi-Fi 6E
Interface type	PCIe
Bluetooth	Bluetooth 5.2
Bluetooth interface	USB 2.0
3G	No
4G	No
Ethernet	RJ45 LAN × 2 (2500 M / 1000 M / 100 M / 10 M)
USB 2.0	1 × USB-A
USB 3.2	3 × USB-A
External memory expansion	No
Audio/video outputs	1 × HDMI 2.0
Ethernet Ports	RJ45 × 2
Data transfer	Yes
Buttons	Power button
DC IN	Yes
Audio input/output	3.5mm jack
Antennas	2 × FPC antenna (Wi-Fi + BT / Wi-Fi)
Operating system	Windows 11 Pro (installed), supports Linux
Operating temperature	0-40°C
Storage temperature	Not applicable
Humidity	Not applicable
Power supply	Input: 100-240 V~ 50/60 Hz Output: 19 V / 6.32 A (120 W); DC plug 5.5 / 2.5 mm
IR remote control	No
VESA	Yes
Radio bands	Wi-Fi 2.4 G / 5 G / BT
Max. transmitting power	20.5 dBm / 18.5 dBm / 7 dBm

GPSR Link: https://psr-assets.innpro.pl/it_accessories/sg_it_accessories_others.pdf, Gross weight: 1450, Net weight: 502, Box length: 18,50, Box width: 18,00, Box height: 10,00, Information about data generation: https://dataact.innpro.pl/GMKtec/6972570964126, PPWR:

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