

GMKtec K16 Ryzen 7 7735HS Mini PC 32GB 1TB Win 11 Pro

Model: K16

Manufacturer: GMKTEC

EAN: 6972570964683

Product Code: 1061962

R23,549

GMKtec K16 Ryzen 7 7735HS 32GB 1TB Win 11 Pro Mini PC

The GMKtec K16 computer easily handles both everyday tasks and more demanding ones. It is equipped with an AMD Ryzen 7 7735HS processor, 32 GB of LPDDR5 memory, and AMD Radeon 680M graphics, making it ideal for multitasking, multimedia processing, and entertainment. Support for external graphics cards via OCuLink and USB4 further enhances its capabilities, even when playing demanding titles. Fast network connectivity, a modern cooling system, and a rich set of ports ensure that the computer remains stable and functional in almost any usage scenario. The pre-installed Windows 11 Pro allows you to start working immediately after starting the device.

AMD Ryzen 7 processor – high performance

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At the heart of the device is an AMD Ryzen 7 7735HS processor offering 8 cores and 16 threads, which reaches a maximum clock speed of 4.75 GHz. The chip provides high computing performance with a maximum power consumption of up to 50 W, allowing you to work comfortably with advanced applications, graphic designs, or large data sets. A score of approximately 13,766 points in the Cinebench R23 Multi-Core test confirms its very good performance in tasks requiring intensive multi-core processing.

Integrated AMD Radeon 680M graphics

The AMD Radeon 680M chipset with 12 graphics cores operating at up to 2200 MHz is responsible for graphics processing. This allows the mini computer to provide smooth performance with multimedia, creative applications, and many modern games. Combined with a fast processor and RAM, the device offers significantly higher graphics performance than standard integrated solutions, ensuring comfortable work and entertainment.

Three operating modes tailored to your needs

The computer allows you to choose from three performance modes to tailor the device's operation to your current tasks. The 35 W silent mode ensures quiet and energy-efficient operation during everyday office tasks. The balance mode offers 45 W of power and is a compromise between performance and quiet operation. Performance mode, on the other hand, utilizes the full potential of the device at 50W, ensuring maximum performance during demanding applications or gaming.

Ready for expansion

The device offers the possibility of significantly increasing graphics performance thanks to the support of external graphics cards via OCuLink and a USB4 port. The OCuLink interface provides full PCIe 4.0 x4 bandwidth at 64 Gb/s, allowing you to work with GPUs with minimal performance loss. Depending on the configuration, it is possible to achieve very high frame rates – for example, around 70 FPS with an RTX 4070 card or even up to 163 FPS with an RX 7600M XT GPU. The computer is also equipped with 32 GB of ultra-fast LPDDR5 memory with a frequency of 6400 MT/s, which is integrated into the motherboard and cannot be upgraded. The device supports M.2 2280 PCIe 3.0 SSDs with the option of using PCIe Gen4 x4 media, and the maximum supported storage capacity can reach up to 16 TB.

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Modern ports and multi-monitor support

The full-featured USB4 port enables data transfer at speeds of up to 40 Gb/s, supports DisplayPort 1.4 video output at 4K resolution at 60 Hz, and Power Delivery 3.0 power delivery up to 100 W. This allows a single connector to serve as a universal port for connecting monitors, high-speed external drives, or docking stations. The computer supports simultaneous operation with three screens via HDMI 2.0, USB4, and DisplayPort 1.4, enabling a multi-monitor configuration even at resolutions up to 8K at 60 Hz, which significantly increases the comfort of multitasking.

Fast connectivity

Stable network connectivity is ensured by Wi-Fi 6E and Bluetooth 5.2 technologies, as well as two 2.5G Ethernet ports, which guarantee a fast and reliable wired connection. This enables smooth data transfer, comfortable online gaming, and video playback in up to 8K quality.

Advanced cooling

An advanced cooling system with two fans, which uses dual copper heat pipes, a high-conductivity copper CPU turbine fan, and an intelligent system fan with air channels to cool the SSD and memory, ensures that the components remain at the right temperature. The whole thing is complemented by a rich set of ports located at the front and rear of the case, which allows for convenient connection of office accessories, multimedia devices, and additional components that expand the capabilities of the computer.

Included

- mini PC
- power supply
- HDMI cable
- user manual

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Model	K16
Processor	AMD Ryzen 7 7735HS
Number of cores/threads	8 cores/16 threads
Maximum clock speed	up to 4.75 GHz
Maximum processor power	up to 50 W (in Performance mode)
Graphics chip	AMD Radeon 680M
Number of GPU cores	12
GPU clock speed	up to 2200 MHz
Operating modes	Silent Mode – 35 W, Balance Mode – 45 W, Performance Mode – 50 W
RAM	32 GB LPDDR5
Memory frequency	6400 MT/s
RAM expandability	none (soldered memory)
Drive	M.2 2280 PCIe 3.0 SSD
Drive support	PCIe Gen4 x4 compatibility
Maximum supported capacity	up to 16 TB
USB port	full-featured USB4 (up to 40 Gb/s)
USB4 features	Power Delivery 3.0 up to 100 W, DisplayPort 1.4 (4K@60 Hz), data transfer up to 40 Gb/s
External graphics card support	OCuLink PCIe 4.0 x4
OCuLink bandwidth	up to 64 Gb/s
Multi-monitor support	Yes, up to 3 screens simultaneously
Video outputs	HDMI 2.0 – up to 8K@60 Hz, USB4 – up to 4K@60 Hz, DisplayPort 1.4 – up to 8K@60 Hz
Wireless connectivity	Wi-Fi 6E, Bluetooth 5.2
Wired network	2.5G LAN Ethernet port x2
Cooling system	Dual fan system

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Cooling components	Dual copper heat pipes, copper CPU turbine fan, system fan, SSD and memory cooling air ducts
Operating system	Windows 11 Pro (pre-installed)

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