

Mini PC GMKtec K8 Ryzen 7 8845HS 32GB RAM + 1TB WIN 11 Pro



Model: K8-1

Manufacturer: GMKTEC

EAN: 6972570963099

Product Code: 206945

R25,181

Mini PC GMKtec K8 Plus Ryzen 7 8845HS 32GB RAM + 1TB WIN 11 Pro

GMKtec K8 Plus is a compact high-end mini PC (Personal Computer) that combines high computing performance with mobility and functionality. It features an AMD Ryzen 7 8845HS 8-core processor clocked at up to 5.1 GHz, integrated Radeon 780M graphics and ultra-fast DDR5 (Double Data Rate 5, fifth-generation memory) 5600 MHz RAM (Random Access Memory) for smooth operation in office, graphics, multimedia and software applications. It also offers a high-speed SSD (Solid State Drive, a solid state drive) NVMe (Non-Volatile Memory Express, a high-speed interface for solid state drives) PCIe 4.0 (Peripheral Component Interconnect Express, a high-speed bus for connecting components) with 1TB of capacity and Windows 11 Pro, so it's ready to go right out of the box. The device supports up to four screens at 8K resolution, WiFi 6 connectivity, Bluetooth 5.2 and has multiple

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ports. All enclosed in a small form factor with quiet and efficient active cooling.

High processor performance

The AMD Ryzen 7 8845HS processor uses a 4 nm architecture, offering 8 cores and 16 threads, and clocked at up to 5.1 GHz. With 16 MB of L3 cache and a TDP (Thermal Design Power) of 54W, it provides stable computing power even under intense load. In Geekbench tests, it performs better than many higher-end models, offering +24% single-threaded performance and +27% in multi-threaded mode.

Integrated Radeon graphics

The AMD Radeon 780M graphics used, clocked at 2,800 MHz, provides support for multiple monitors and allows smooth operation in graphics editing, streaming and less demanding games. With this card, the device remains energy-efficient and compact without the need for a dedicated GPU (Graphics Processing Unit, or graphics processor).

Ultra-fast USB 4.0 interface

The two USB-C 4.0 (Universal Serial Bus) ports support transfers of up to 40 Gbps, Power Delivery charging, data and audio/video (DisplayPort) signals. This allows you to connect modern 4K monitors, high-speed external drives or use a single cable for power and data transfer - with full support for DP Alt Mode technology. In addition, the computer is equipped with an OcuLink port (PCIe 4.0 ×4), which allows you to connect an external graphics card (eGPU). Note: the interface does not support hot swap, so devices must be connected when the PC is turned off.

Support for up to four screens

The GMKtec K8 Plus Mini PC allows simultaneous connection of as many as four displays via HDMI 2.1 (High-Definition Multimedia Interface, a high-definition digital audio-video interface), DisplayPort 2.1 and two USB 4.0. All ports support 8K resolution at 60 Hz, allowing you to build an extensive workstation or presentation stand while maintaining the compact size of the device itself.

Dual-channel DDR5 memory

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The installed 32 GB of 5600 MHz DDR5 RAM in two SO-DIMM (Small Outline Dual In-line Memory Module, a compact memory module) slots provides high bandwidth and stable performance. The device supports up to 96 GB of memory, making it also suitable for virtual machines, video editing and large graphics projects.

Fast and capacious SSD

The computer offers two slots for M.2 2280 NVMe PCIe 4.0 drives, supporting up to 8 TB of total space. The installed 1TB drive guarantees high read and write speeds, which reduces boot times for systems, applications and files, and supports fast transfers when working with large data sets.

Stable connectivity

Two RJ45 2.5G LAN (Local Area Network) ports based on the Intel i225V chipset provide stable transfer rates of up to 2,500 Mbps, which significantly increases efficiency when working with servers, databases or during streaming. The ports support speeds of 10/100/1000/2500 Mbps and allow classic network connection. In addition, the mini PC supports WiFi 6 and Bluetooth 5.2 for wireless communication.

Efficient active cooling

The new generation Hyper Ice Chamber 2.0 cooling system consists of two low-noise fans (top and bottom), a heat sink and heat pipes. The cooling has been optimized for SSDs and RAM. The 35W/54W/65W/70W modes allow you to adjust the performance and noise level to suit your current needs.

Compact design

With dimensions of just 13.2 × 13 × 5.9 cm and support for VESA (Video Electronics Standards Association, a standard for mounting devices on monitors) mounting, the GMKtec K8 Plus mini PC will easily fit behind a monitor or in a laptop bag. It's lightweight, mobile and ready to go anywhere from the office to the studio or home workstation.

Included:

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

Manufacturer	GMKtec
Model	K8 Plus
Dimensions	132 x 125 x 58 mm
Housing material	Plastic
Weight	604 g
Processor	AMD Ryzen™ 7 8845HS
Max. clock	5.1 GHz
Power consumption	70 W
RAM	DDR5 5600
RAM capacity	32 GB
EMMC	No
SSD	M.2 2280 1 TB (factory), support up to 4 TB / M.2 2280 SATA (expansion) support up to 4 TB, total combined supported capacity: 4 TB x 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, 1 x DP, 2 x USB-C (DP, data transfer, PD)
Status indicator	Power status LED

Wi-Fi Wi-Fi 6

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Interface type	PCIe
Bluetooth	Bluetooth 5.2
Bluetooth interface	USB 2.0
Built-in Wi-Fi	Yes (via PCIe)
Built-in Bluetooth	Yes (via USB 2.0)
LAN	2 x Giga LAN (2500M / 1000M / 100M / 10M)
USB 2.0	2 x USB-A 2.0
USB 3.2	2 x USB-A 3.2
External memory expansion	No
Audio/video outputs	1 x HDMI 2.1
Ethernet Ports	2 x RJ45
Data transfer	Yes
Buttons	Power button x1
DC IN	Yes
Audio input/output	1 x 3.5mm headphone jack (input/output)
Antennas	FPC Wi-Fi + Bluetooth, FPC Wi-Fi
Operating system	Windows 11 Pro installed, supports Linux
Operating temperature	0°C to 40°C
Storage temperature	Not applicable
Humidity	10-90%RH
Power supply	Input 100-240V 50/60Hz, Output: 19V/6.32A 120W, DC 5.5/2.5mm
IR remote control	No
VESA	Yes
Radio bands	Wi-Fi 2.4G / Wi-Fi 5G / BT
Max. transmitting power	20 dBm / 23 dBm / 9.7 dBm

GPSR Link: https://psr-assets.innpro.pl/it_accessories/sg_it_accessories_others.pdf, Gross weight:

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1800, Net weight: 604, Box length: 18,50, Box width: 18,50, Box height: 11,50, Information about data generation: <https://dataact.innpro.pl/gmktec/6972570963099>

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