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GMKtec M5 Plus

GMKtec M5 Plus Mini PC User Manual

Model: M5 Plus

1. Product Overview

The GMKtec M5 Plus Mini PC is a compact and powerful desktop computer designed for a variety of uses, from office work and home entertainment to light gaming and graphic design. It features an AMD Ryzen 7 5825U processor, 16GB DDR4 RAM, and a 512GB PCIe 3.0 SSD, offering robust performance in a small form factor.

Figure 1: Front and rear view of the GMKtec M5 Plus Mini PC, showcasing its compact design and various ports.

Key Features

- **Powerful Processor:** Equipped with AMD Ryzen 7 5825U (8 Cores/16 Threads, up to 4.30GHz) for strong performance in productivity and gaming.
- **Ample Memory & Storage:** Features 16GB DDR4 RAM (expandable to 64GB) and a 512GB M.2 2280 PCIe 3.0 SSD (expandable to 4TB).
- **Advanced Connectivity:** Includes Dual 2.5G RJ45 LAN, WiFi 6E, and Bluetooth 5.2 for fast and reliable network and peripheral connections.
- **Triple Display Support:** Integrated AMD Radeon Vega Graphics supports up to three 4K@60Hz displays simultaneously via HDMI 2.0, DisplayPort, and USB-C.
- **Compact and Portable:** Weighing approximately 1.10 lbs, its small size makes it ideal for various environments.

Product Video Overview

Video 1: An overview of the GMKtec M5 Mini PC, highlighting its features and compact design. Note: The video shows a black unit, but the product is blue.

2. Setup

Follow these steps to set up your GMKtec M5 Plus Mini PC for the first time.

What's in the Box

- GMKtec M5 Plus AMD Ryzen 7 5825U Mini PC
- Power Adapter
- VESA Mount
- HDMI Cable
- User Manual

Figure 2: The retail packaging and included accessories for the GMKtec M5 Plus Mini PC.

Initial Connection Steps

1. **Connect Power:** Plug the power adapter into the DC Power Port on the back of the Mini PC, then connect it to a power outlet.
2. **Connect Display:** Use the included HDMI cable to connect your monitor or TV to the HDMI 2.0 port on the Mini PC. For triple display setup, use the DisplayPort and USB-C (DP/DATA) ports as well.
3. **Connect Peripherals:** Connect your keyboard and mouse to the available USB 3.2 or USB 2.0 ports.
4. **Network Connection (Optional):** For a wired connection, connect an Ethernet cable to one of the Dual 2.5G RJ45 LAN ports. For wireless, ensure your WiFi network is available.

3. Operating Instructions

Powering On/Off

- **Power On:** Press the power button located on the front of the Mini PC. The power indicator light will illuminate.
- **Power Off:** To safely shut down the system, use the operating system's shutdown function. Alternatively, press and hold the power button for a few seconds to force a shutdown (not recommended for regular use).

Operating System

The GMKtec M5 Plus Mini PC comes with OS Pro pre-installed and is compatible with Windows 11 Pro, Linux, and Ubuntu. Ensure your operating system is updated for optimal performance and security.

Memory and Storage Expansion

The Mini PC supports memory and storage upgrades. It features dual-channel DDR4 RAM slots, allowing expansion up to 64GB. It also has dual M.2 2280 PCIe 3.0 SSD slots, supporting up to 4TB of storage.

Figure 3: The quick disassembly design allows for easy access to upgrade DDR4 RAM and SSD storage.

4. Connectivity

The GMKtec M5 Plus Mini PC offers a wide range of connectivity options to suit various needs.

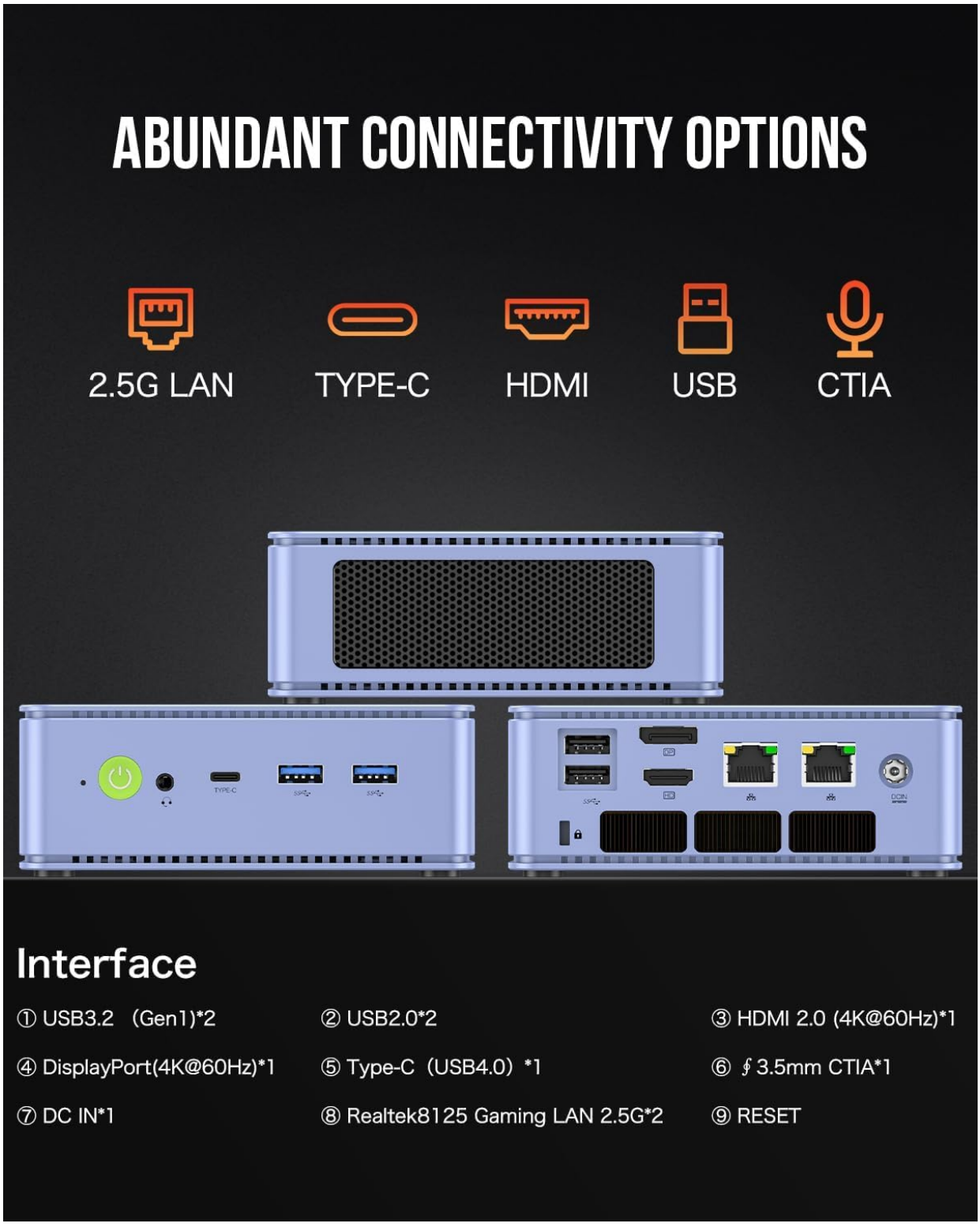


Figure 4: Detailed diagram illustrating the abundant connectivity options available on the Mini PC.

Port Overview

- **USB 3.2 Ports (x2):** For high-speed data transfer with compatible devices.
- **USB 2.0 Ports (x2):** For connecting standard USB peripherals like keyboards and mice.
- **USB-C Port (x1):** Supports Power Delivery (PD), DisplayPort (DP), and Data transfer (up to 10Gbps).
- **HDMI 2.0 Port (x1):** Supports 4K@60Hz video output.
- **DisplayPort (x1):** Supports 4K@60Hz video output.
- **Dual 2.5G RJ45 LAN Ports (x2):** Provides high-speed wired network connectivity up to 2500Mbps.
- **3.5mm Audio Jack (HP&MIC):** For connecting headphones and microphones.
- **DC Power Port:** For connecting the power adapter.

- **Kensington Lock Slot:** For physical security.

Wireless Connectivity

- **WiFi 6E:** Supports 2.4G, 5G, and 6G triple bands for faster speeds and lower latency.
- **Bluetooth 5.2:** For quick and stable connection to wireless devices such as headsets, mice, and keyboards.

Figure 5: The Mini PC features WiFi 6E for enhanced wireless performance and Bluetooth 5.2 for seamless peripheral connections.

5. Performance and Usage Scenarios

The GMKtec M5 Plus Mini PC is engineered for high performance across various applications.

Processor and Graphics

- **Processor:** AMD Ryzen 7 5825U (8 Cores/16 Threads, Boost up to 4.30GHz) provides significant performance improvements over previous generations.
- **Graphics:** Integrated AMD Radeon Vega Graphics (8 cores, 1900 MHz) delivers strong graphics processing for demanding software and 4K UHD video.

Figure 6: Performance benchmarks illustrating the capabilities of the AMD Ryzen 7 5825U processor.

Multi-Display Support

The Mini PC can connect to three display screens simultaneously, enhancing productivity and multimedia experiences.

Figure 7: The Mini PC supports triple 4K@60Hz display output for expanded workspace or immersive viewing.

Typical Usage Scenarios

- **Office & Business:** Ideal for daily office tasks, presentations, and multi-monitor setups.
- **Home Entertainment:** Perfect for 4K video streaming, media playback, and home theater PC (HTPC) applications.
- **Casual Gaming:** Capable of running mid-range games with its integrated graphics.
- **Graphic Design & Video Editing:** Handles complex design software and 4K@60Hz UHD video editing with ease.
- **Education & Digital Signage:** Suitable for educational environments and powering digital billboards.

Figure 8: The GMKtec M5 Plus Mini PC is versatile for gaming, office work, home theater, education, and design applications.

6. Maintenance

Proper maintenance ensures the longevity and optimal performance of your Mini PC.

Cooling System

The Mini PC features a smart cooling fan and twin-turbo heat pipes to maintain optimal operating temperatures and prevent overheating.

Figure 9: Internal view illustrating the fan cooling system designed for efficient heat dissipation.

General Care

- Keep the Mini PC in a well-ventilated area to ensure proper airflow.
- Regularly clean dust from the vents using compressed air to prevent accumulation.
- Avoid placing heavy objects on top of the Mini PC.
- Protect the device from extreme temperatures and humidity.

7. Troubleshooting

If you encounter issues with your GMKtec M5 Plus Mini PC, try the following basic troubleshooting steps:

- **No Power:** Ensure the power adapter is securely connected to both the Mini PC and a working power outlet. Try a different outlet if necessary.
- **No Display:** Check all display cable connections (HDMI, DisplayPort, USB-C). Ensure your monitor is set to the correct input source. Try a different cable or monitor if possible.
- **No Internet Connection:** For wired connections, check the Ethernet cable and router status. For wireless, ensure WiFi is enabled and you are connected to the correct network with the correct password.
- **Peripheral Not Working:** Try connecting the peripheral to a different USB port. Ensure drivers are installed if required by the peripheral.
- **System Slowdown:** Close unnecessary applications. Check for background processes consuming high resources. Ensure adequate ventilation to prevent thermal throttling.

For persistent issues, refer to the official GMKtec support resources.

8. Specifications

Detailed technical specifications for the GMKtec M5 Plus Mini PC.

Feature	Specification
Brand	GMKtec
Model Number	M5 Plus
Processor	AMD Ryzen 7 5825U (8 Cores/16 Threads, up to 4.30GHz)

Feature	Specification
Graphics Coprocessor	AMD Radeon Graphics 8Cores 2000 MHz
RAM	16 GB DDR4 (Dual Channel, Max. 64GB)
Hard Drive	512 GB M.2 2280 NVME SSD (Dual Slot Max. 4TB)
Operating System	OS Pro (Compatible with Windows 11 Pro, Linux, Ubuntu)
Wireless Type	WiFi 6E (2.4GHz, 5GHz, 6GHz), Bluetooth 5.2
LAN	Dual 2.5G RJ45 Gigabit Ethernet
Video Output	1x HDMI 2.0 (4K@60Hz), 1x DisplayPort (4K@60Hz), 1x USB-C (DP/DATA)
USB Ports	2x USB 3.2, 2x USB 2.0, 1x USB-C (DP/PD/DATA)
Audio Port	1x 3.5mm Audio (HP&MIC)
Item Weight	1.1 pounds
Product Dimensions	5.07 x 5 x 1.88 inches

9. Warranty and Support

GMKtec is committed to providing excellent customer service and support for your Mini PC.

Warranty Information

GMKtec offers a **1-year limited warranty** for each Mini PC, effective from the date of purchase. This warranty covers all defects due to design and workmanship.

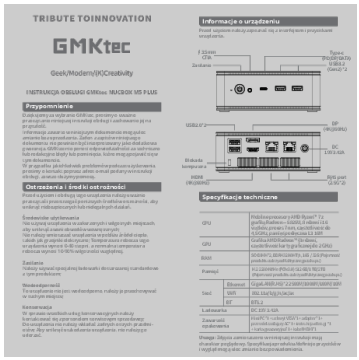
Customer Support

For any inquiries or assistance, please utilize the following support channels:

- **Contact Us on Amazon:** Log in to your Amazon account, navigate to 'Your Orders', and select 'Product Question' for assistance.
- **Email Support:** Send an email to the After-Sales Team atsupport@gmktec.com.
- **24/7 Customer Support:** Professional assistance is available around the clock to address your needs.

Figure 10: Overview of GMKtec's warranty and customer support options.

Documents - GMKtec – M5 Plus



GMKtec NUCBOX M5 PLUS User Manual and Safety Guide

Comprehensive user manual for the GMKtec NUCBOX M5 PLUS mini PC, detailing setup, specifications, safety precautions, and warranty information. Learn how to connect your device, access BIOS, and ensure safe operation.

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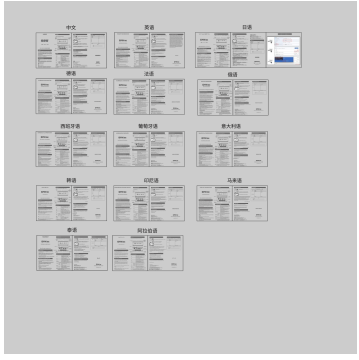

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G M K GMKtec NUCBOX **M5 PLUS** 0-40 10-90 RH , 3.5mm Type-c PD/DP/DATA USB3.2 Gen2 *2 USB2.0*2 HDMI 4K 60Hz DP 4K 60Hz 19V 3.42A 2.5G*2 AMD RyzenTM 7 Mobile Processors with Radeon Graphics--5825U,816, 7nm4.5GHz,L316M GPU AMD RadeonTM Graphics 82G...

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E-mail: prodaja@alt-store.si
WWW: www.www.altstore.si

GMKtec računalnik mini PC M5 AMD Ryzen7 32GB RAM 1TB SSD NucBox

Kategorija: Prenosni računalniki
Dobavljivost: **Ni na zalogi**
Šifra: **213254**

Cena: 636,36€

Slika je simbolična!

Kratek opis

Prenosni računalnik je postal zelo pomemben del našega vsakdanjika. Izbrati prenosnik blagovne znamke GMKtec se lahko polovi z velikostjo monitorja , ki ima ločljivost . Za pomoč pri kompleksnejših nalogah si pomaga z grafiko ki je AMD Radeon . Vsak Prenosni računalnik s procesorjem AMD Ryzen 7 lahko z vsemi vašimi nalogami opravi z lahkoto, pri čemer mu pomaga blizkovni delovni pomnilnik kapacitete . Za zahtevnejšo opravila je pomembno da ima prenosnik čim več RAM-a (pomnilnika) in čimhitrejši procesor. Prenosni računalnik s pomočjo kvalitetnih komponent omogoča brezhibno delovanje in udobje ob multitaskingu - velopravilnosti. Prenosnik za shranjevanje podatkov uporablja trdi disk. Da bo prostora za vaše dokotake vedno dovolj, vam izbrati prenosni računalnik GMKtec računalnik mini PC M5 AMD Ryzen7 32GB RAM 1TB SSD NucBox ponuja vhrajeni trdi disk kapacitete .

GMKtec M5 Plus Mini PC je kompakten in zmogljiv računalnik, opremljen s procesorjem AMD Ryzen 7 5825U. S 32 GB DDR4 RAM in 1TB SSD omogoča hitro in tekoče delovanje. Radeon Vegali grafika podpira 4K na treh zaslonih. WiFi 6E, BT5.2 in dvojni 2.5G LAN poskrbijo za hitar prenos podatkov.

Zmogljivost: GMKtec M5 Plus Mini PC je opremljen s procesorjem AMD R7 5825U ki ponuja 8 jeder in 16 niti ter dosega maksimalno frekvenco 4,50 GHz. 16 MB predpomnilnika L3 zagotavlja nemotono delovanje več programov hkrati. Vgrajen grafični čip AMD Radeon Vegali, zagotavlja visoko grafično zmogljivost in možnost večopravilnosti.

Izjemna hitrost: Mini računalnik GMKtec M5 Plus je opremljen z visokofrekvenčnim pomnilnikom 32 GB DDR4, ki zagotavlja hitrejšo in učinkovitejšo hitrost odziva. Zanzeva dvokonalnega pomnilnika podpira nadgradnje na 64 GB (2 x 32 GB), kar zagotavlja hitrer odziv in učinkovito delo tudi pri velikih delovnih obremenitvah. Z 1 TB M.2 2280 PCIe SSD (razširljiv do 2 TB) računalnik ponuja dovolj prostora za shranjevanje velikih količin podatkov, bogatih materialov in videoposnetkov.

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GMKtec računalnik mini PC M5 AMD Ryzen7 32GB RAM 1TB SSD NucBox ponudba izdelka ponuja vhrajeni trdi disk kapacitete Paket vsebuje 1x NVMe Napajalnik Napajalni gmktec racunalnik pc m5 amd ryzen7 32gb ram 1tb nvme nucbox altstore si 1 |||

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