

GMKtec M5 PLUS

GMKtec M5 Plus Mini PC User Manual

Model: M5 PLUS

1. INTRODUCTION

This manual provides comprehensive instructions for setting up, operating, maintaining, and troubleshooting your GMKtec M5 Plus Mini PC. Please read this manual carefully before using the product to ensure optimal performance and longevity. The GMKtec M5 Plus is a compact yet powerful mini PC designed for a wide range of applications, from demanding office tasks and content creation to gaming and home entertainment. It features an AMD Ryzen 7 5825U processor, ample memory, and high-speed storage, along with versatile connectivity options.

2. WHAT'S IN THE BOX

Carefully unpack your GMKtec M5 Plus Mini PC and verify that all items listed below are present and in good condition:

- GMKtec Nucbox M5 Plus AMD Ryzen 7 5825U Mini PC Computer
- Power Supply & Cable
- HDMI Cable
- VESA Mount and Screws
- User Manual

RETAIL BOXED PACKAGING



1. Nucbox M5 Plus Mini PC

2. Power Supply & Cable

3. User Manual

4. HDMI Cable

5. VESA Mount with Screws

Image: All components included in the retail packaging of the GMKtec M5 Plus Mini PC.

3. SETUP GUIDE

3.1 Connecting Peripherals

Before powering on your Mini PC, connect your essential peripherals:

1. **Display:** Connect your monitor(s) using the HDMI, DisplayPort (DP), or USB-C (DP/DATA) ports. The M5 Plus supports up to three 4K displays simultaneously.
2. **Keyboard and Mouse:** Connect your USB keyboard and mouse to any of the available USB 3.2 or USB 2.0 ports. Wireless peripherals can be connected via Bluetooth 5.2.
3. **Network:** For wired internet access, connect an Ethernet cable to one of the two 2.5GbE RJ45 LAN ports. For wireless connectivity, the Mini PC supports WiFi 6E.
4. **Audio:** Connect speakers or headphones to the 3.5mm audio jack.
5. **Power:** Connect the provided power supply to the DC Power Port and then to a power outlet.

RICH INTERFACE

For Business, Office, Gaming, Home

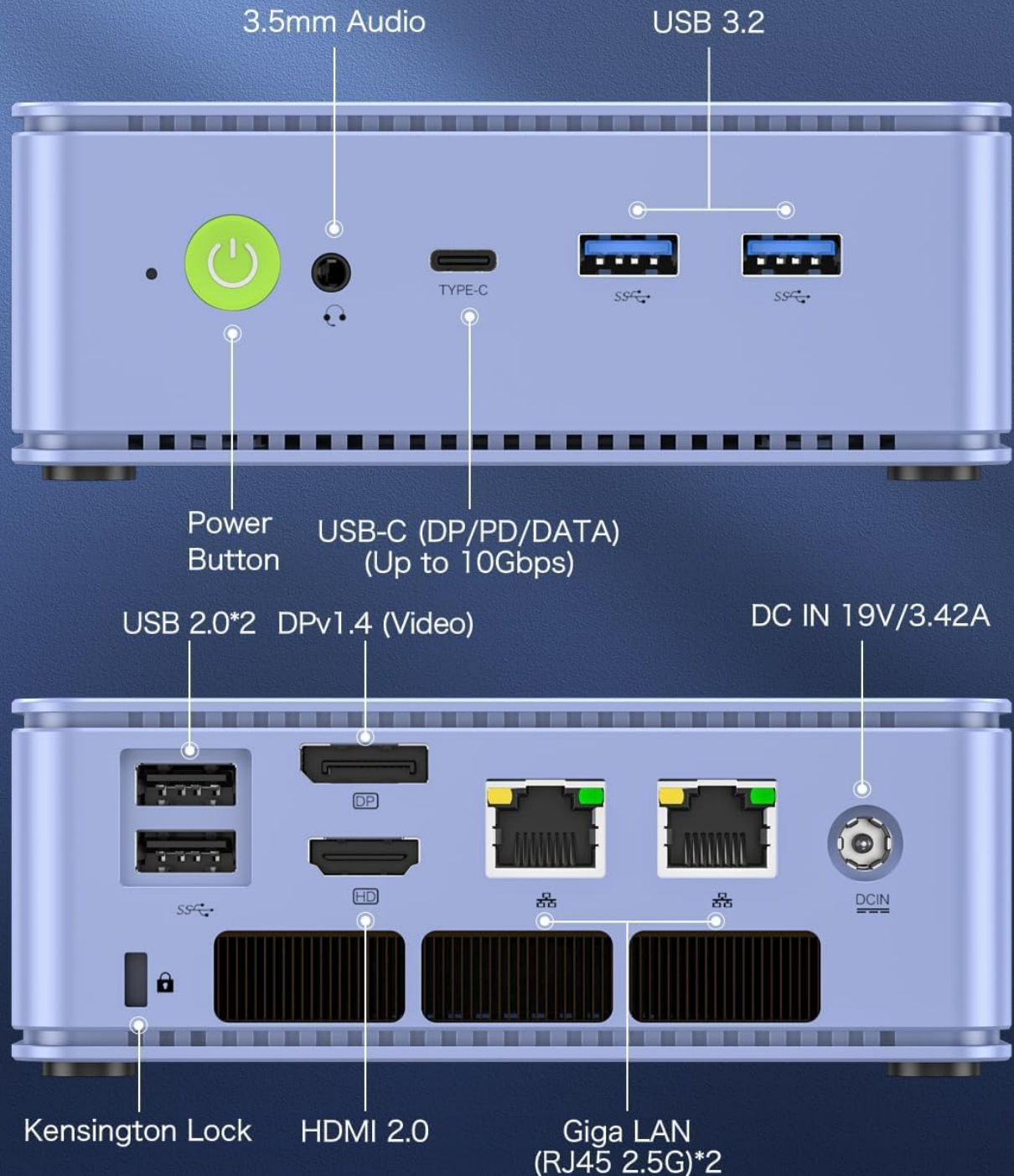


Image: Detailed view of the rich interface ports on the GMKtec M5 Plus, including USB, HDMI, DP, USB-C, LAN, and audio.

TRIPLE ULTRA HD DISPLAY

4K@60Hz (HDMI + DP + USB-C Video)



HDMI



USB-C



DP



Image: The GMKtec M5 Plus Mini PC demonstrating its capability to support a triple Ultra HD display setup.

3.2 Initial Boot and Operating System Setup

After connecting all necessary peripherals, press the power button located on the front of the unit. The system will boot up. Follow the on-screen instructions to complete the operating system setup (e.g., Windows 11 Pro). The Mini PC is also compatible with Linux and Ubuntu operating systems.

3.3 VESA Mount Installation

The GMKtec M5 Plus includes a VESA mount and screws, allowing you to attach the Mini PC to the back of a compatible monitor or to a wall, saving desk space. Secure the VESA mount to your desired surface using the provided screws, then slide the Mini PC onto the mount until it clicks into place.

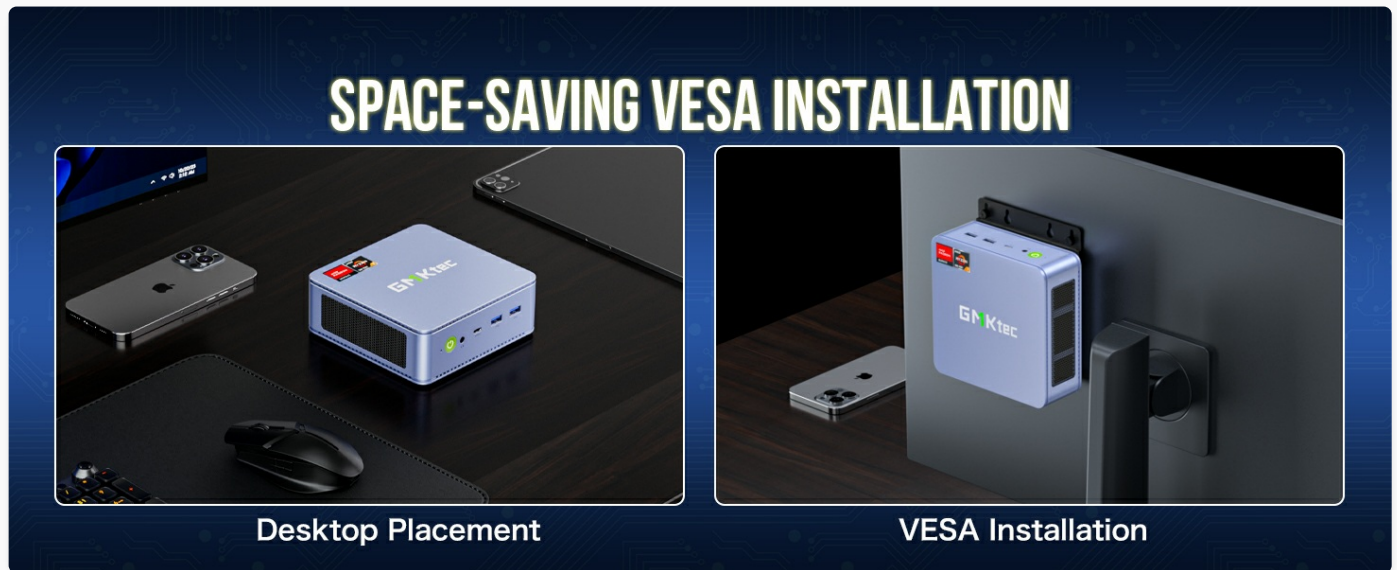


Image: Illustration of the space-saving VESA installation option for the GMKtec M5 Plus Mini PC.

4. OPERATING YOUR MINI PC

4.1 Power Management

- **Power On:** Press the power button on the front panel.
- **Power Off:** Use the operating system's shutdown function. Alternatively, press and hold the power button for 5 seconds to force a shutdown (use only when necessary).
- **Sleep Mode:** The system can enter sleep mode to conserve power. Wake it by pressing the power button or moving the mouse/keyboard.
- **Auto Power On:** This feature can be enabled in the BIOS settings, allowing the PC to automatically power on after a power outage.
- **Wake On LAN (WOL):** This feature allows you to remotely wake the Mini PC over a network connection. It can be configured in the BIOS.

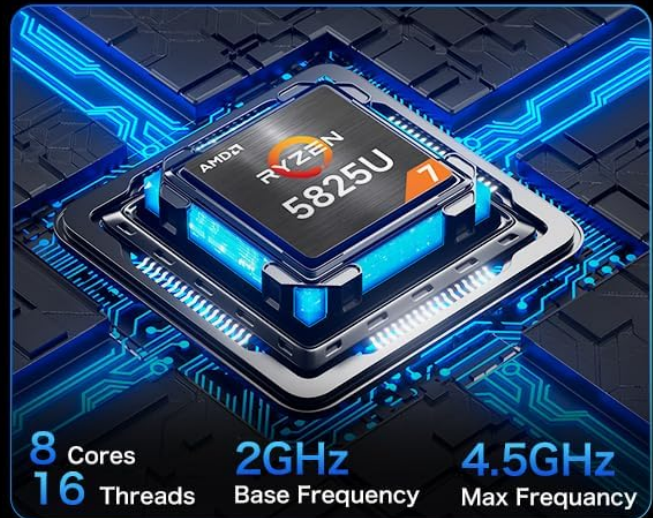
4.2 Performance Modes

The GMKtec M5 Plus features an AMD Ryzen 7 5825U processor. You can adjust its performance settings in the BIOS:

- **Power Saving Quiet Mode:** Sets the base processor frequency to 2.00GHz for reduced power consumption and quieter operation.
- **Performance Mode:** Enables Turbo Boost up to 4.50GHz for maximum performance.

Access the BIOS by pressing the **Del** or **F2** key repeatedly during startup.

GMKtec Nucbox M5 Plus AMD Ryzen 7 5825U



Triple Screen Display

(1*HDMI, 1*TYPE-C, 1*DPv1.4)



**AMD Radeon
Graphics 2000MHz**



**WiFi 6E
(Bluetooth 5.2)**



PCIe Gen 3.0

(Read Speed 3500MB/s)



Dual Cooling Fans

(Plus Heatsink)



DDR4 3200MHz

Dual Channel 32GB
(2*16GB RAM)

Additional Function

- 1.Auto Power On
- 2.Wake On LAN
- 3.Compatible with Linux,
Win 11 Pro, Ubuntu

Image: Overview of the GMKtec M5 Plus's core specifications, including CPU, GPU, RAM, and connectivity.

4.3 Network and Wireless Connectivity

- **Dual 2.5GbE LAN:** Provides high-speed wired network connections, ideal for demanding network tasks or server applications.
- **WiFi 6E:** Supports 2.4GHz, 5GHz, and 6GHz triple bands for faster speeds and lower latency wireless connectivity.
- **Bluetooth 5.2:** Allows seamless connection to wireless devices such as headsets, mice, and keyboards.

DUAL LAN HIGH SPEED ETHERNET

2.5GbE*2 RJ45 GIGABIT NETWORK

Read-write Speed



Transmission Speed

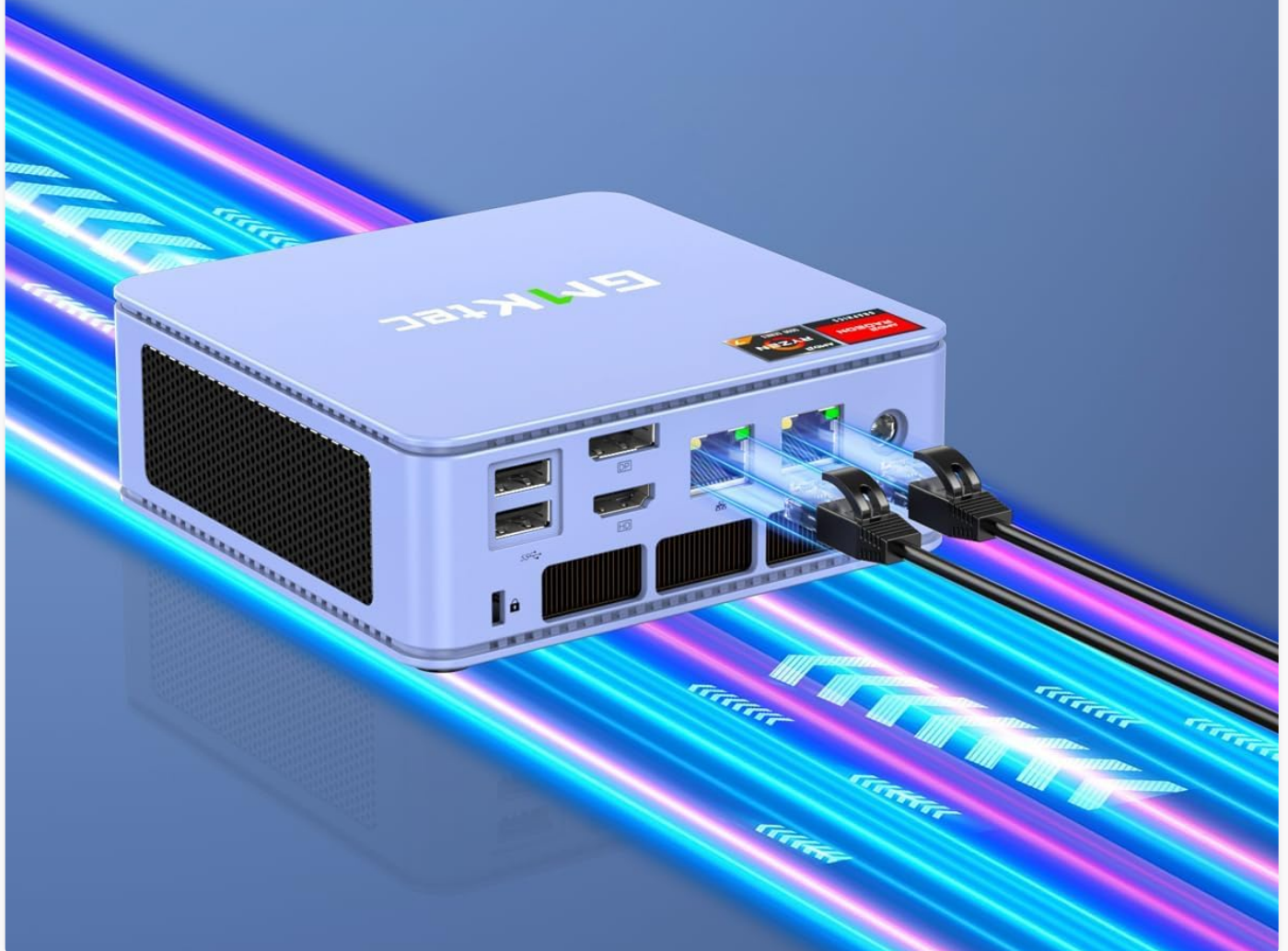


Image: Visual representation of the dual LAN high-speed Ethernet capabilities of the Mini PC.

SUPER SPEED WI-FI 6E



SUPER SPEED WIFI 6E

	Wi-Fi 6	Wi-Fi 6E
Frequency bands	2.4GHz and 5GHz	6GHz
Number of channels	80MHz and 160MHz	80MHz, 160MHz and 320MHz
Compatibility	devices not compatible with Wi-Fi 6E networks	backward compatible with Wi-Fi 6 and Wi-Fi 5 devices
Security	WPA3	WPA2 and WPA3

Image: Diagram illustrating the super-speed WiFi 6E and Bluetooth 5.2 connectivity, including frequency bands and compatibility.

5. MAINTENANCE AND UPGRADES

5.1 System Cleaning

To maintain optimal performance and prevent overheating, regularly clean the exterior of your Mini PC with a soft, dry

cloth. Ensure ventilation vents are clear of dust and obstructions. Do not use liquid cleaners directly on the device.

5.2 Memory (RAM) Upgrade

The GMKtec M5 Plus comes with 32GB DDR4 RAM (2x16GB) in a dual-channel configuration. It supports expansion up to 64GB RAM. To upgrade:

1. Power off the Mini PC and disconnect all cables.
2. Carefully open the chassis. The design allows for quick disassembly without tools by twisting the top shield.
3. Locate the SO-DIMM slots.
4. Gently unclip the existing RAM modules (if replacing) and insert the new modules, ensuring they are seated correctly.
5. Close the chassis securely.

5.3 Storage (SSD) Upgrade

The Mini PC is equipped with a 1TB M.2 2280 PCIe 3.0 SSD and supports dual slot expansion up to 4TB SSD. To upgrade or add storage:

1. Follow steps 1 and 2 from the RAM upgrade section to open the chassis.
2. Locate the M.2 2280 SSD slots.
3. Insert the new M.2 SSD into an available slot or replace an existing one. Secure it with the appropriate screw.
4. Close the chassis securely.

PREMIUM PARTS & DESIGN

1TB PCIe M.2 2280 SSD UP TO 2TB!

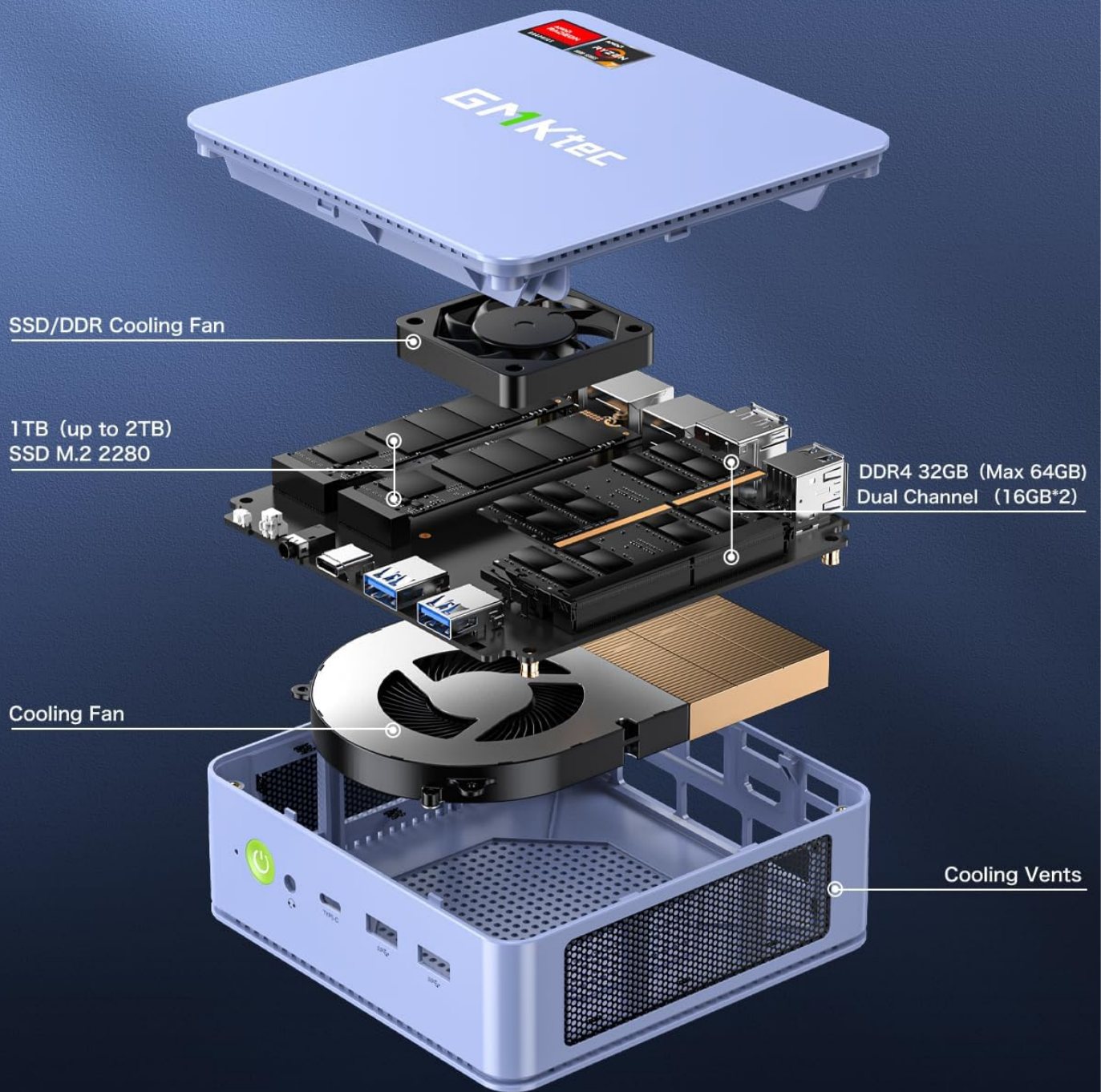


Image: Internal view highlighting premium parts and design, including the SSD, DDR4 RAM, and cooling fans.

RETAIL BOXED PACKAGING

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4. VESA Mount with Screws

5. HDMI Cable



Image: Quick disassembly design showing easy access to upgrade DDR4 RAM and SSD ROM.

6. TROUBLESHOOTING

Common Issues and Solutions:

Problem	Possible Cause	Solution
No power / System does not turn on	Power cable not connected; Power supply issue; Power outlet issue.	Ensure power cable is securely connected to both the PC and the outlet. Test the power outlet with another device. Verify the power adapter is functioning.
No display output	Monitor cable loose; Incorrect input source on monitor; Driver issue.	Check HDMI/DP/USB-C cable connections. Ensure monitor is set to the correct input source. Try a different display cable or monitor. Reinstall graphics drivers if possible.
Wi-Fi connectivity issues	Outdated drivers; Router issues; Interference.	Update Wi-Fi drivers from the GMKtec website. Restart your router and Mini PC. Ensure no physical obstructions are blocking the signal. Consider upgrading the Wi-Fi card if issues persist (e.g., to AX210).
System slow or unresponsive	Too many applications running; Low disk space; Overheating.	Close unnecessary applications. Free up disk space. Ensure proper ventilation and check for dust buildup. Verify performance mode settings in BIOS.

Problem	Possible Cause	Solution
Peripheral not recognized (USB, Bluetooth)	Driver issue; Faulty peripheral; Port issue.	Try connecting the peripheral to a different port. Update relevant drivers. Test the peripheral on another computer.

If you encounter problems not listed here or require further assistance, please refer to the Warranty and Support section for contact information.

7. SPECIFICATIONS

Feature	Specification
Brand	GMKtec
Series	M5 PLUS
Model Number	M5 PLUS
Processor	AMD Ryzen 7 5825U (8 Cores/16 Threads, Base 2.00GHz, Turbo up to 4.50GHz)
Graphics Coprocessor	AMD Radeon Graphics 8CUs 2000 MHz
RAM	32 GB DDR4 (Dual Channel, 3200 MHz, expandable to 64GB)
Hard Drive	1 TB M.2 2280 NVME PCIe 3.0 SSD (Dual Slot Max. 4TB)
Operating System	OS Pro (Windows 11 Pro compatible, Linux, Ubuntu)
Max Screen Resolution	4096 × 2160 Pixels (4K@60Hz)
Display Output	1x HDMI 2.0, 1x DP Port, 1x USB-C (PD/DP/DATA) - Supports Triple Display
USB Ports	2x USB 3.2, 2x USB 2.0
LAN	2x 2.5GbE RJ45
Wireless Connectivity	WiFi 6E (2.4GHz, 5GHz, 6GHz), Bluetooth 5.2
Audio	1x 3.5mm Audio (HP&MIC)
Dimensions (LxWxH)	4.4 x 1.7 x 4.84 inches
Item Weight	12.6 ounces
Color	Lunar Blue

8. WARRANTY AND SUPPORT

GMKtec offers a comprehensive warranty and support for your Mini PC:

- **Limited Warranty:** Each GMKtec Mini PC comes with a 1-year limited warranty, effective from the date of purchase. This warranty covers defects due to design and workmanship.
- **Lifetime Technical Support:** GMKtec provides lifetime technical support for its products.

- **12-Months Satisfying Service:** Dedicated customer service is available to address your needs.

Contacting Support:

For any inquiries or technical assistance, you can reach GMKtec support through the following channels:

- **Amazon Support:** Log in to your Amazon account, navigate to 'Your Orders', and select 'Ask Product Question' for direct assistance.
- **After-Sales Support Email:** Send an email to support@gmktec.com for 24/7 customer support.



Image: Details on how to contact GMKtec support via Amazon or direct email.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for

conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question