

[Manuals.plus](#) /

> [GMKtec](#) /

> GMKtec M3 Plus Mini PC User Manual

GMKtec MINI PC-Mxilie

GMKtec M3 Plus Mini PC User Manual

Model: MINI PC-Mxilie

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your GMKtec M3 Plus Mini PC. Please read this manual thoroughly before using the device to ensure optimal performance and longevity.



Image: Front and side view of the GMKtec M3 Plus Mini PC, showcasing its compact design and various ports.

2. WHAT'S IN THE BOX

Verify that all items listed below are included in your package:

- GMKtec Nucbox M3 Plus Intel Core i9 12900HK Mini PC Computer
- Power Supply & Cable
- HDMI Cable
- VESA Mount and Screws
- User Manual

RETAIL BOXED PACKAGING



1. Nucbox M3 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: the mini PC, power supply, HDMI cable, VESA mount, and user manual.

3. PRODUCT OVERVIEW

3.1 Key Features

- **Intel Core i9 12900HK CPU:** Features 14 cores/20 threads, up to 5.0 GHz max turbo frequency, and 24 MB cache for powerful performance.
- **Intel Iris Xe Graphics:** Integrated GPU with 1.45GHz max dynamic frequency, suitable for 4K video and light gaming.
- **Memory & Storage:** Equipped with 32GB DDR4 RAM (expandable to 64GB) and 2TB NVMe SSD (expandable to 4TB via M.2 PCIe 2280 and 2TB via M.2 SATA/PCIEX4 2242).
- **Triple 4K Display Output:** Supports up to three 4K displays via dual HDMI and one Type-C (DP1.4/DATA) ports.
- **2.5GbE Dual NIC LAN:** Built-in Intel Ethernet Controller I226-V provides 2.5 Gbit/s connection speed.
- **Wireless Connectivity:** Supports WiFi 6 and Bluetooth 5.2 for fast and stable wireless connections.

GMKtec Nucbox M3 Plus

intel i9-12900HK



14 Cores
20 Threads

24MB Smart Cache
5.0 GHz Max Frequency



Triple Screen Display

HDMI*2 + Type-C*1



Intel Iris Xe Graphics 1450MHz



Twin Cooling Pipes Turbofan System



PCIe 4.0 M.2 2280 SSD

(Support SATA & PCIEX4)



WiFi 6

Bluetooth 5.2



DDR4 RAM 3200MT/s

SO-DIMM*2 (MAX 64GB)

Additional Function

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

Image: An infographic highlighting the key features of the GMKtec M3 Plus Mini PC, including its Intel i9-12900HK processor, Iris Xe Graphics, triple screen display, cooling system, storage, RAM, WiFi 6, and Bluetooth 5.2.

3.2 Ports and Interfaces

The GMKtec M3 Plus Mini PC offers a variety of ports for versatile connectivity:

- 2 x USB 3.2 (Front)

- 1 x USB-C (DP1.4/DATA) (Front)
- 1 x 3.5mm CTIA Audio Jack (Front)
- 2 x HDMI (4K@60Hz) (Rear)
- 1 x 2.5G LAN (Intel i226-V) (Rear)
- 2 x USB 2.0 (Rear)
- 1 x DC IN (20V/5A) (Rear)

RICH INTERFACE

For Business, Office, Gaming, Home

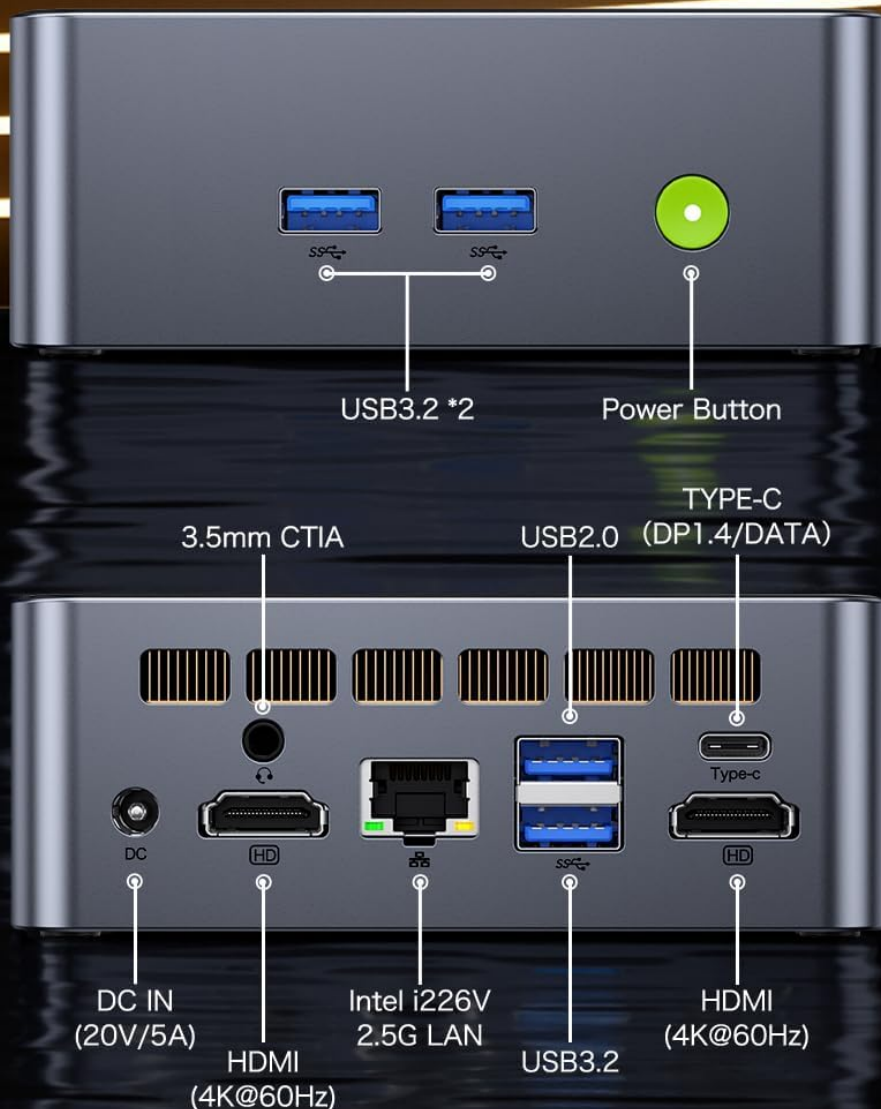


Image: Detailed view of the front and rear ports of the mini PC, labeling each connection type including USB, HDMI, Type-C, LAN, and audio jack.

4. SETUP GUIDE

4.1 Initial Connection

1. **Connect to Display:** Use the provided HDMI cable to connect the Mini PC to your monitor or TV. You can connect up to three displays using the two HDMI ports and one Type-C port.
2. **Connect Peripherals:** Plug in your keyboard, mouse, and any other USB devices into the available USB ports.
3. **Connect to Network:** For a wired connection, connect an Ethernet cable to the 2.5G LAN port. For wireless, ensure your WiFi network is available after initial boot.
4. **Power On:** Connect the power supply to the DC IN port on the Mini PC, then plug the power cable into a wall outlet. Press the power button on the front of the device.



Image: The GMKtec Mini PC connected to a monitor, illustrating its compatibility with Windows 11 Pro and Linux operating systems.

4.2 VESA Mount Installation (Optional)

The Mini PC can be mounted to the back of a compatible monitor using the included VESA mount:

1. Attach the VESA bracket to the back of your monitor using the provided screws.
2. Slide the Mini PC onto the VESA bracket until it clicks securely into place.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

- **To Power On:** Press the power button on the front of the Mini PC.

- **To Power Off:** Click the Start menu in Windows, then select Power > Shut down. Alternatively, press and hold the power button for 5 seconds to force a shutdown (not recommended for regular use).

5.2 Operating System

The GMKtec M3 Plus Mini PC comes pre-installed with OS Pro (likely Windows 11 Pro). Follow the on-screen prompts for initial setup of the operating system, including language, region, and network settings.

5.3 Storage and Memory Expansion

The Mini PC supports easy upgrades for storage and memory:

- **SSD:** Supports M.2 2280 PCIe SSD up to 4TB and M.2 2242 SATA/PCIEX4 up to 2TB.
- **RAM:** Dual channel DDR4 SO-DIMM slots support up to 64GB RAM.

Refer to the detailed internal structure image for component locations:

EASY INSTALLATION

Disassembled design, upgrade RAM and SSD easy and convenient



SSD

M.2 2280 PCIe **Max.2TB**

M.2 2242 SATA/PCIEX4 **Max.4TB**



DDR4 3200MT/s

Dual Channel SO-DIMM*2

MAX.64GB



Image: An internal diagram of the mini PC illustrating the locations for M.2 2280 PCIe SSD, M.2 2242 SATA/PCIEX4, and dual-channel DDR4 SO-DIMM RAM slots, highlighting the ease of upgrade.

6. MAINTENANCE

To ensure the longevity and optimal performance of your Mini PC, follow these maintenance guidelines:

- **Cleaning:** Regularly clean the exterior of the Mini PC with a soft, dry cloth. Use compressed air to clear dust from the ventilation grilles to prevent overheating. Ensure the device is powered off and unplugged before cleaning.
- **Ventilation:** Ensure the Mini PC is placed in a well-ventilated area. Do not block the air vents.
- **Software Updates:** Keep your operating system and drivers updated to the latest versions for security and performance improvements.
- **Temperature:** Operate the Mini PC within recommended temperature ranges. Avoid exposing it to extreme heat or cold.

7. TROUBLESHOOTING

If you encounter issues with your GMKtec M3 Plus Mini PC, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No Power	Power cable not connected; Power outlet issue; Faulty power adapter.	Ensure power cable is securely connected to both the Mini PC and the wall outlet. Test the outlet with another device. Try a different power adapter if available.
No Display	Monitor not connected; Incorrect input source on monitor; Faulty HDMI/Type-C cable.	Check display cable connections. Ensure monitor input source is set correctly (e.g., HDMI1, HDMI2, DisplayPort). Try a different cable or monitor.
No Internet Connection	Ethernet cable disconnected; WiFi disabled; Router issue; Driver issue.	For wired: Check Ethernet cable connection. For wireless: Ensure WiFi is enabled in OS settings. Restart your router. Check network adapter drivers in Device Manager.
Slow Performance	Too many applications running; Insufficient RAM; Overheating; Full storage drive.	Close unnecessary applications. Check Task Manager for resource usage. Ensure proper ventilation. Consider upgrading RAM or SSD if frequently experiencing slowdowns. Free up disk space.

If the problem persists after trying these steps, please contact GMKtec customer support.

8. SPECIFICATIONS

Feature	Detail
Brand	GMKtec
Model Number	MINI PC-Mxilie

Feature	Detail
Processor	Intel Core i9-12900HK (14 Cores/20 Threads, up to 5.0 GHz)
Graphics	Intel Iris Xe Graphics 1450MHz (Integrated)
RAM	32GB DDR4 (Dual Channel, 3200 MHz, Max 64GB)
Storage	2TB PCIe3.0 M.2 2280 NVMe SSD (Expandable to 4TB); Supports M.2 SATA/PCIEX4 2242 (Max 2TB)
Operating System	OS Pro (Windows 11 Pro / Linux compatible)
Display Output	2 x HDMI (4K@60Hz), 1 x Type-C (DP1.4/DATA) - Triple 4K Display Support
Ethernet	2.5GbE Dual NIC LAN (Intel I226-V)
Wireless	WiFi 6, Bluetooth 5.2
USB Ports	3 x USB 3.0, 2 x USB 2.0, 1 x USB-C
Audio Port	3.5mm CTIA Audio Jack
Dimensions (LxWxH)	5.2 x 4.92 x 2.28 inches
Weight	3.21 pounds

9. WARRANTY AND SUPPORT

GMKtec offers comprehensive support for your Mini PC:

- **Warranty:** A 1-year limited warranty is provided for each Mini PC, starting from the date of purchase. This covers defects due to design and workmanship.
- **Technical Support:** Lifetime technical support is available.
- **Customer Service:** A professional after-sales team is ready to assist you.

Contact Information:

For assistance, you can:

- Contact GMKtec through your Amazon account (Login to Amazon > Your Account > Your Orders > Ask Product Question).
- Send an email to the After-Sales Team:support@gmktec.com

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

Open the live page

<https://manuals.plus/asin/B0DJ71Z7XJ>

More documents and user manuals: <https://manuals.plus/>