

GMKtec G2 PLUS

GMKtec G2 Plus Mini PC User Manual

Model: G2 PLUS | Brand: GMKtec

1. INTRODUCTION

Welcome to the user manual for your new GMKtec G2 Plus Mini PC. This compact and powerful desktop computer is designed for a wide range of applications, from daily tasks and office work to home entertainment. This manual provides essential information on setting up, operating, maintaining, and troubleshooting your device to ensure optimal performance and longevity.

2. PRODUCT OVERVIEW

The GMKtec G2 Plus Mini PC is equipped with advanced features for a smooth computing experience.

Key Features:

- Processor:** 12th Gen Intel Alder Lake N150 (4 Cores, 4 Threads, 6MB Cache, up to 3.6 GHz burst frequency), offering superior performance compared to N100/N95/N5095/N5100/N5105 models.
- Memory & Storage:** 12GB LPDDR5 RAM (4800 MT/s) and integrated 256GB M.2 2242 SSD for fast boot times and efficient multitasking.
- Graphics:** Intel Graphics (up to 1000 MHz) with support for 4K video playback and AV1 decoding.
- Connectivity:** WiFi 6 (802.11ax, up to 600 Mbps), Bluetooth 5.2, Dual Gigabit Ethernet (RJ45 1000M).
- Ports:** 3x USB 3.2 (up to 5 Gbit/s), 2x HDMI 2.0 (4K @ 60Hz), 1x DP V1.4 (4K @ 60Hz), 3.5mm audio jack, Type-C 12V/3A, Kensington Lock.
- Display Support:** Triple 4K display output for enhanced productivity and entertainment.
- Advanced Features:** Supports Wake on LAN, PXE, RTC Wake, and Auto Power On.



Figure 2.1: The GMKtec G2 Plus Mini PC, a compact and powerful desktop solution.

GMKtec**Nucbox G3 Plus****intel N150**

**NEW TWIN LAKE INTEL N150
2024 NEW RELEASE**

4 Core/4 Threads

 **256GB**

M.2 2242 SATA SSD

 **12GB**

LPDDR5 4800MT/s



**Intel Graphics up to
1000MHz**



Windows 11 Pro

**Nucbox G2 Plus
Mini PC**



USB3.2

Fast Transfer Speeds



WiFi6

3x the speed of WiFi 5



Bluetooth5.2

Faster Stable Connection



DUAL RJ45 Giga

LAN 1000Mbps



Ergonomic Design

Figure 2.2: Overview of the GMKtec G2 Plus Mini PC's key specifications and features, including its Intel N150 processor, 12GB LPDDR5 RAM, 256GB SSD, and various connectivity options.

RICH MULTI-FUNCTIONAL INTERFACE

For Office, Business, Home and Gaming Use



Camera



TV/Monitor



Speaker



Keyboard and Mouse



NAS



Printer



Projector



Figure 2.3: Detailed view of the rich multi-functional interfaces on the GMKtec G2 Plus Mini PC, highlighting USB 3.2 ports, audio/mic jack, LAN ports, Type-C, power button, Kensington lock, DisplayPort, and HDMI ports.

STRONG LAN & WIRELESS NETWORK SUPPORT



Built-in Dual
Band WiFi 6



DUAL RJ45 Giga
LAN 1000Mbps



Support
Bluetooth 5.2

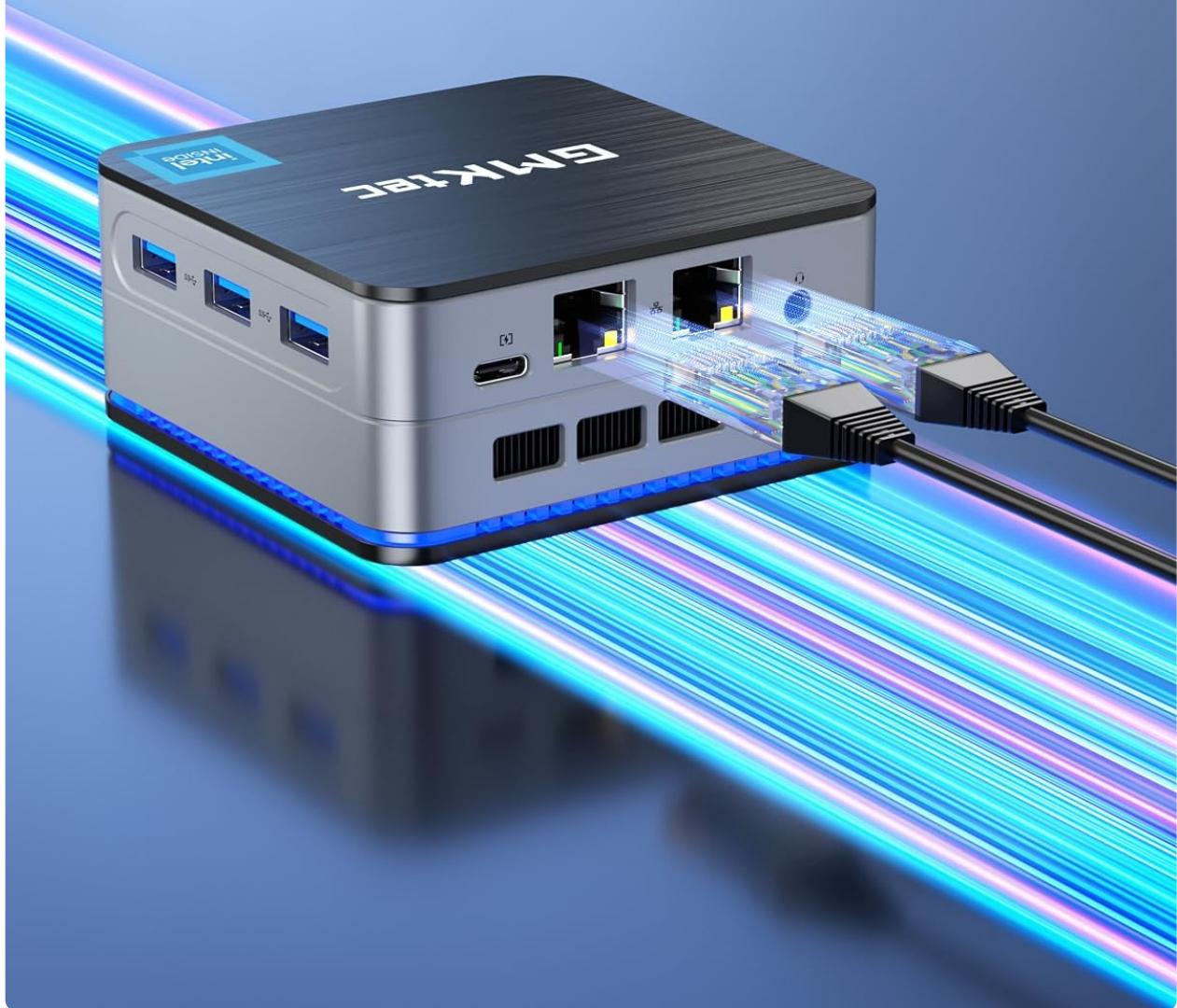


Figure 2.4: Illustration of the strong LAN and wireless network support, including built-in Dual Band WiFi 6, Dual RJ45 Gigabit LAN, and Bluetooth 5.2 connectivity.

3. SETUP

Follow these steps to set up your GMKtec G2 Plus Mini PC:

3.1 Unboxing and Contents:

Carefully unpack all items from the box. Verify that you have received the following components:

- GMKtec G2 Plus Mini PC

- Power Adapter & Cable
- HDMI Cable
- VESA Mount with Screws
- User Manual (this document)

RETAIL BOXED PACKAGING



1. Nucbox G2 Plus Mini PC
2. Power Adapter & Cable
3. User Manual

4. HDMI Cable
5. VESA Mount with Screws

Figure 3.1: Contents of the retail boxed packaging for the GMKtec G2 Plus Mini PC.

3.2 Connecting Peripherals:

1. **Connect Display:** Use the provided HDMI cable to connect your Mini PC to a monitor or TV. You can use up to three displays simultaneously via the two HDMI 2.0 ports and one DisplayPort 1.4.
2. **Connect Keyboard and Mouse:** Plug your USB keyboard and mouse into the available USB 3.2 ports.

3. **Connect Power:** Connect the power adapter to the Mini PC's power input and then plug it into a power outlet.
4. **Optional Connections:** Connect any other peripherals such as external hard drives, speakers, or network cables (RJ45) as needed.

3.3 Initial Power On:

Press the power button located on the front of the Mini PC. The device will boot up, and you will see the Windows 11 Pro operating system loading. Follow the on-screen instructions for initial Windows setup if it's your first time using the device.

4. OPERATING INSTRUCTIONS

4.1 Basic Operation:

Your GMKtec G2 Plus Mini PC runs on Windows 11 Pro, providing a familiar and intuitive user interface. Use your connected keyboard and mouse to navigate the operating system, launch applications, and manage files.

4.2 Multi-Display Setup:

The Mini PC supports connecting up to three 4K displays simultaneously. This is ideal for multitasking, professional work, or an immersive home theater experience.

1. Connect your monitors to the available HDMI 2.0 ports and the DisplayPort 1.4.
2. Once connected, Windows will automatically detect the displays. You can configure display settings (e.g., extend, duplicate, resolution) via the Display Settings in Windows.

TRIPLE SCREEN DISPLAY

Connect to three screens simultaneously
using HDMI 2.0*2 (4K @ 60Hz) and Type-C DP1.4



Figure 4.1: The GMKtec G2 Plus Mini PC supporting a triple screen display setup for enhanced productivity.

4.3 Network Connectivity:

The Mini PC offers versatile network options:

- **Wi-Fi 6:** Connect to wireless networks for high-speed internet access. Go to Windows Settings > Network & Internet > Wi-Fi to connect to your preferred network.
- **Ethernet:** For a stable and fast wired connection, plug an Ethernet cable into one of the two Gigabit RJ45 ports.
- **Bluetooth 5.2:** Pair Bluetooth-enabled devices like headphones, speakers, or game controllers. Access Bluetooth settings via Windows Settings > Bluetooth & devices.

5. MAINTENANCE

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

5.1 Storage Expansion:

The GMKtec G2 Plus Mini PC features an expandable storage design. You can upgrade the M.2 2242 SATA SSD up to 2TB.

1. Ensure the device is powered off and unplugged from the power source.
2. Carefully remove the lid of the Mini PC.
3. Locate the M.2 SSD slot and replace or install your new M.2 2242 SATA SSD.
4. Secure the lid back in place.

TWIN LAKE INTEL N150 EXPANDABLE STORAGE

Cooling Fan System with Dual Copper Turbine Cooling Pipes

256GB M.2 2242 SATA UP TO 2TB!

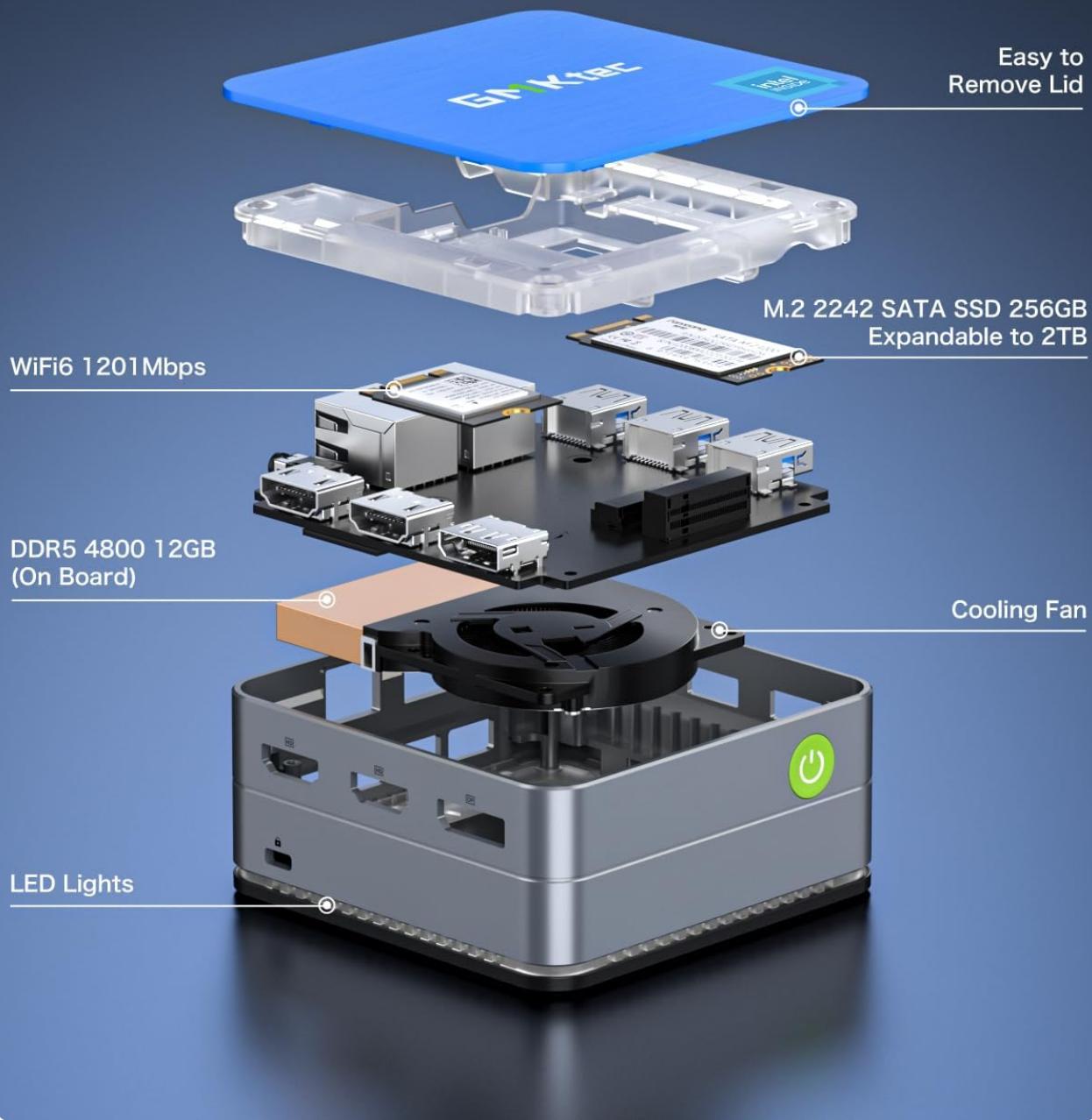


Figure 5.1: Diagram illustrating the expandable storage and internal components, including the cooling fan system and M.2 2242 SATA SSD slot.

5.2 Cleaning:

- Regularly clean the exterior of the Mini PC with a soft, dry, lint-free cloth.
- Use compressed air to gently clear dust from the ventilation openings to ensure proper airflow and cooling.
- Do not use liquid cleaners or aerosols directly on the device.

5.3 Software Updates:

Keep your Windows operating system and drivers updated to ensure security, stability, and optimal performance. Windows Update can be accessed via Settings > Windows Update.

6. TROUBLESHOOTING

If you encounter issues with your GMKtec G2 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.
- **No Display:** Check that the HDMI/DP cables are firmly connected to both the Mini PC and the monitor. Ensure the monitor is powered on and set to the correct input source.
- **No Internet Connection:** For Wi-Fi, check your router and ensure the Wi-Fi adapter is enabled in Windows settings. For Ethernet, ensure the cable is properly connected and your network is active.
- **Peripheral Not Working:** Try plugging the peripheral into a different USB port. Ensure drivers are installed if required.
- **System Slowdown:** Close unnecessary applications. Check for background processes in Task Manager. Ensure sufficient free storage space.
- **System Freeze:** If the system becomes unresponsive, press and hold the power button for 5-10 seconds to force a shutdown, then restart the device.

If problems persist, refer to the Warranty and Support section for further assistance.

7. SPECIFICATIONS

Feature	Specification
Brand	GMKtec
Item Model Number	G2 PLUS
Series	G2 PLUS
Color	Blue
Operating System	Windows 11 Pro
Processor Brand	Intel (N150)
Processor Type	Mobile CPU
Processor Speed	3.6 GHz
Number of Cores	4
Max Memory	12 GB LPDDR5
Hard Drive Size	256 GB (expandable to 2TB)
Hard Drive Technology	SSD (M.2 2242 SATA)
Graphics Chipset Brand	Intel
Graphics Card Description	Integrated

Feature	Specification
Connectivity Type	Wi-Fi, Bluetooth, Ethernet
Wireless Technology Type	802.11ax (Wi-Fi 6)
Hardware Interface	Bluetooth, Ethernet, HDMI, DisplayPort, USB
Number of HDMI Ports	2
Number of USB 3.0 Ports	3
Item Dimensions L x W x H	10 x 7 x 12 cm

8. WARRANTY AND SUPPORT

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

8.1 Warranty Information:

GMKtec offers a limited one-year warranty for each Mini PC, starting from the date of purchase. This warranty covers defects due to design and manufacturing faults. Please retain your proof of purchase for warranty claims.

8.2 Customer Support:

For any questions, technical assistance, or warranty claims, please contact our professional service team:

- **Amazon Support:** Log in to your Amazon account, go to 'Your Orders', and select 'Ask Product Question' for assistance.
- **After-Sales Support:** Send an email to our After-Sales Team at support@gmktc.com. Our customer support is available 24/7.

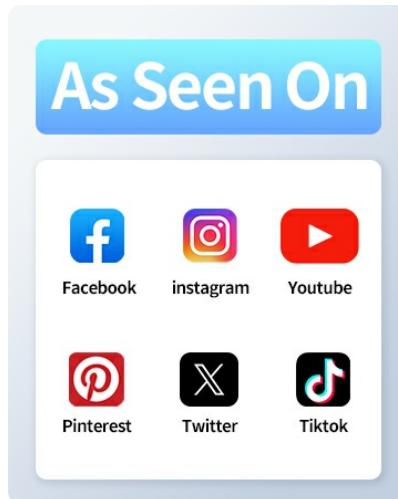
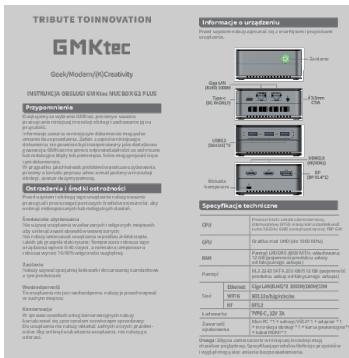


Figure 8.1: GMKtec Warranty & Support contact information.

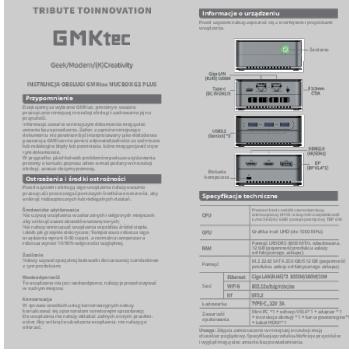


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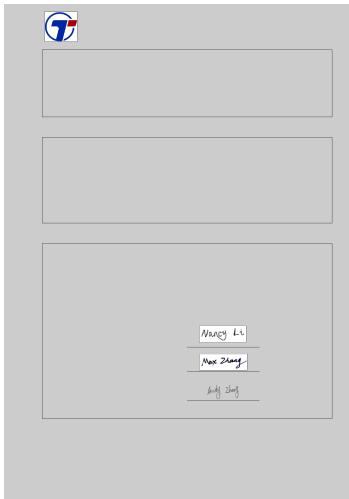
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GMKtec NUCBOX G2 PLUS User Manual and Safety Information

Comprehensive user manual for the GMKtec NUCBOX G2 PLUS mini PC, covering setup, specifications, safety precautions, and warranty information. Includes detailed descriptions of hardware interfaces and operational guidelines.

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NucBox Mini PC FCC Test Report - GMKtec Compliance

Comprehensive FCC compliance test report for Shenzhen GMK Technology Co., Ltd's NucBox mini PCs, detailing results for models like M7, K8, G2, G3, and EVO series, tested by Shenzhen Tongzhou Testing Co.,Ltd. against FCC CFR Title 47 Part 15C and ANSI C63.10:2013 standards.

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