

GMKtec G2 PLUS

GMKtec Nucbox G2 Plus Mini PC User Manual

Model: G2 PLUS

1. INTRODUCTION

The GMKtec Nucbox G2 Plus is a compact and powerful mini PC designed for a variety of computing tasks, from routine office work and home entertainment to more demanding applications. Featuring the Intel N150 processor, 12GB DDR5 RAM, and a 512GB SSD, it offers efficient performance in an ultra-compact form factor. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your device.



Figure 1.1: GMKtec Nucbox G2 Plus Mini PC

2. PRODUCT OVERVIEW

The Nucbox G2 Plus is equipped with the latest Intel Twin Lake N150 CPU, offering improved performance for everyday computing. It supports 4K triple display output, high-speed wireless connectivity with WiFi 6 and Bluetooth 5.2, and dual Gigabit Ethernet ports for robust network connections. Its compact design makes it suitable for various environments, including home, office, and multimedia setups.

GMKtec

Nucbox G2 Plus

intel N150

NEW TWIN LAKE INTEL N150
2024 NEW RELEASE

4 Core/4 Threads

intel

Additional Function

- 1.Auto Power On
- 2.Wake On LAN
- 3.Compatible with Linux, Win 10, Ubuntu

 **512GB**

M.2 2242 SATA SSD

 **12GB**

LPDDR5 4800MT/s

Nucbox G2 Plus Mini PC



**Intel Graphics up to
1000MHz**



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 2.1: Key Features of Nucbox G2 Plus

3. PACKAGE CONTENTS

Please verify that all items are present in the package:

- GMKtec Nucbox G2Plus Mini PC Intel N150 12GB RAM 512GB SSD
- 1 x Power Adapter
- 1 x VESA Mount with Screws

- 1 x Blue Mini PC Cover Lid
- 1 x HDMI Cable
- 1 x User Manual

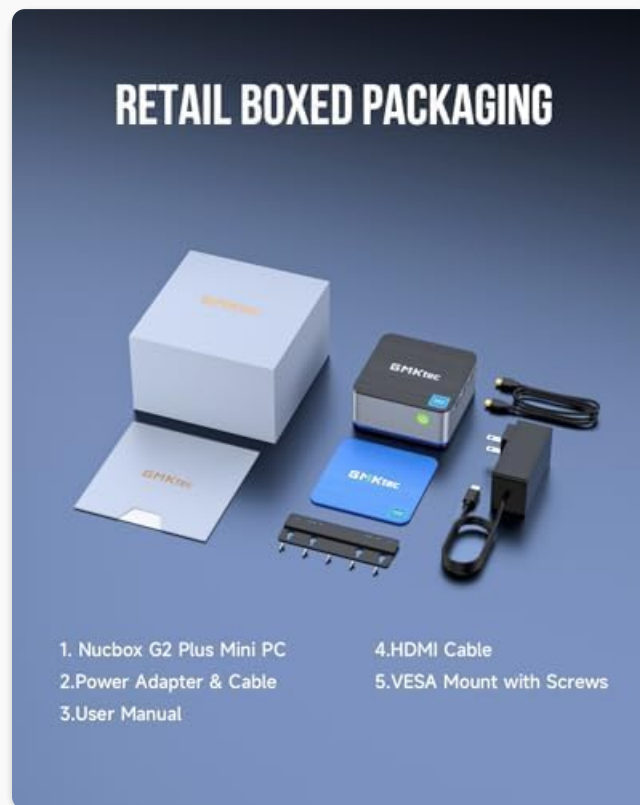


Figure 3.1: Contents of the Retail Box

4. PHYSICAL FEATURES AND PORTS

The Nucbox G2 Plus offers a comprehensive set of ports for versatile connectivity:

- **USB 3.2 Ports (x3):** For connecting peripherals like keyboards, mice, and external storage devices.
- **HDMI 2.0 Ports (x2):** Supports 4K@60Hz display output for connecting to monitors or TVs.
- **DP V1.4 Port (x1):** Supports 4K@60Hz display output, enabling triple display configurations.
- **3.5mm Audio Jack:** For headphones or speakers.
- **Gigabit Ethernet RJ45 Ports (x2):** For stable wired network connections.
- **USB-C Port:** For power input (12V/3A) and data transfer.
- **Kensington Lock Slot:** For physical security.
- **Power Button:** To turn the device on/off.

RICH MULTI-FUNCTIONAL INTERFACE

For Office, Business, Home and Gaming Use



Camera



TV/Monitor



Speaker



Keyboard and
Mouse



NAS



Printer



Projector



Figure 4.1: Multi-functional Interface Layout

5. SETUP GUIDE

5.1 Initial Connection

1. Connect your monitor(s) to the HDMI or DP ports using the provided HDMI cable or your own DP cable.
2. Connect your keyboard and mouse to the USB 3.2 ports.
3. For wired internet, connect an Ethernet cable to one of the RJ45 ports. For wireless, ensure your WiFi network

is available.

4. Connect the power adapter to the USB-C power input port on the mini PC, then plug the adapter into a power outlet.

5.2 Powering On and Operating System Setup

Press the power button on the front of the mini PC. The device comes pre-installed with Windows 11 Pro. Follow the on-screen instructions to complete the initial Windows setup, including language, region, network connection, and user account creation.

5.3 Triple Display Setup

The Nucbox G2 Plus supports up to three 4K@60Hz displays simultaneously. Connect two monitors via the HDMI 2.0 ports and a third via the DP V1.4 port. Once connected, Windows will automatically detect the displays. You can configure display settings (extend, duplicate, etc.) through the Windows Display Settings.

TRIPLE SCREEN DISPLAY

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



Figure 5.1: Triple Screen Display Configuration

5.4 Network Connectivity

The mini PC supports both wired and wireless network connections:

- **Wired (Ethernet):** Connect an RJ45 Ethernet cable to either of the two Gigabit LAN ports for a stable and fast wired connection.
- **Wireless (WiFi 6):** The device features 802.11ax (WiFi 6) for high-speed wireless internet. After booting, select your WiFi network from the taskbar and enter the password.
- **Bluetooth 5.2:** Connect wireless devices such as keyboards, mice, and headphones via Bluetooth. Enable

Bluetooth in Windows settings and pair your devices.

STRONG LAN & WIRELESS NETWORK SUPPORT



Built-in Dual
Band WiFi 6



DUAL RJ45 Giga
LAN 1000Mbps



Support
Bluetooth 5.2



Figure 5.2: Strong LAN & Wireless Network Support

6. STORAGE AND EXPANSION

The Nucbox G2 Plus comes with a built-in 512GB M.2 2242 SATA SSD, providing fast boot times and quick file transfers. The storage is expandable up to 2TB, allowing for significant upgrades if more space is required. The design includes a cooling fan system with dual copper turbine cooling pipes to maintain optimal performance during extended use.

TWIN LAKE INTEL N150 EXPANDABLE STORAGE

Cooling Fan System with Dual Copper Turbine Cooling Pipes
512GB M.2 2242 SATA UP TO 2TB!

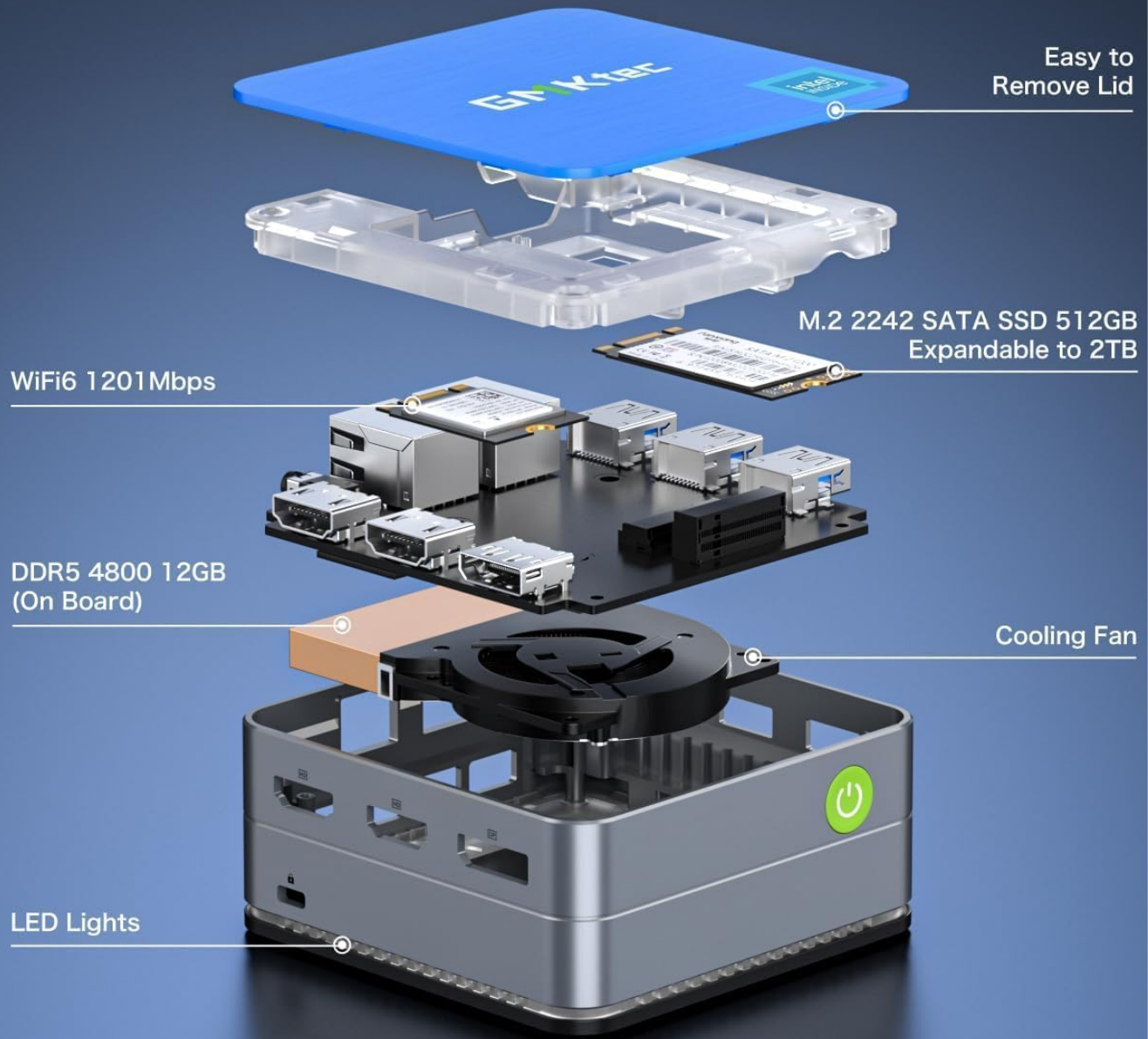


Figure 6.1: Internal Components and Expandable Storage

7. MOUNTING OPTIONS

The Nucbox G2 Plus includes a VESA mount, allowing you to conveniently attach the mini PC to the back of a compatible monitor or to a wall. This helps to declutter your workspace and create a more streamlined setup.

INCLUDED VESA MOUNT

The free vesa mount enables you to mount the Mini PC to the back of your monitor or on a wall. Makes the surrounding area look even more tidy!



Figure 7.1: VESA Mount Installation

8. MAINTENANCE AND CARE

- Keep the mini PC in a well-ventilated area to ensure proper airflow and prevent overheating.
- Avoid exposing the device to extreme temperatures, humidity, or direct sunlight.
- Clean the exterior with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- Regularly update your operating system and drivers to ensure optimal performance and security.
- Perform routine software maintenance, such as disk cleanup and antivirus scans.

9. TROUBLESHOOTING

If you encounter issues with your GMKtec Nucbox G2 Plus, consider the following common 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 HDMI/DP cable connections to the monitor and the mini PC. Ensure the monitor is powered on and 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 Wi-Fi, ensure Wi-Fi is enabled in Windows settings, and you are connected to the correct network with the correct password. Restart your router and the mini PC.
- **Slow Performance:** Close unnecessary applications. Check for background processes that might be consuming resources. Ensure sufficient free space on the SSD.
- **Peripheral Not Detected:** Try connecting the peripheral to a different USB port. Ensure drivers are installed if required.

For persistent issues, refer to the Warranty and Support section for contact information.

10. TECHNICAL SPECIFICATIONS

| Feature | Specification |
|--------------------|---|
| Processor | Intel N150 (4 Core, 4 Threads, up to 3.6GHz) |
| RAM | 12GB LPDDR5 4800 MHz |
| Storage | 512GB M.2 2242 SATA SSD (Expandable up to 2TB) |
| Graphics | Intel UHD Graphics 24EUs (max 1000MHz) |
| Display Output | 2 x HDMI 2.0 (4K@60Hz), 1 x DP V1.4 (4K@60Hz) |
| USB Ports | 3 x USB 3.2, 1 x USB-C (Power/Data) |
| Network | WiFi 6 (802.11ax), Bluetooth 5.2, 2 x Gigabit Ethernet RJ45 |
| Operating System | Windows 11 Pro |
| Dimensions (LxWxH) | 3.42 x 3.42 x 1.55 inches |
| Weight | 1.65 pounds |
| Color | Blue / Black Steel |

11. WARRANTY AND SUPPORT

GMKtec offers a 1-year limited warranty for each mini PC, starting from the date of purchase. This warranty covers defects due to design and workmanship. For any support needs, please utilize the following channels:

- **Amazon Support:** Log in to your Amazon account, navigate to 'Your Orders', and select 'Ask Product

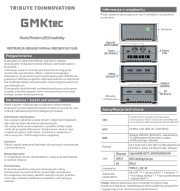

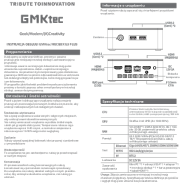

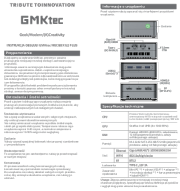
Question' for direct assistance.

- **After-Sales Support:** You can also send an email to the GMKtec After-Sales Team at support@gmktec.com for 24/7 customer support.

GMKtec is committed to providing reliable products and professional after-sales service to ensure customer satisfaction.

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Related Documents - G2 PLUS

| | |
|---|---|
|  | <p>GMKtec NUCBOX G2 PLUS User Manual and Safety Information</p> <p>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.</p> |
|  | <p>GMKtec M6 Mini PC User Manual</p> <p>Comprehensive user manual for the GMKtec M6 Mini PC, detailing specifications, setup, operation, and troubleshooting for this compact desktop computer powered by AMD R5 6600H.</p> |
|  | <p>GMKtec NUCBOX G3 PLUS User Manual and Specifications</p> <p>Comprehensive user manual for the GMKtec NUCBOX G3 PLUS mini PC, covering setup, specifications, safety precautions, and warranty information. Includes detailed descriptions of hardware interfaces and technical details.</p> |
|  | <p>Instrukcja Obsługi GMKtec NUCBOX G3 PLUS - Mini PC</p> <p>Szczegółowa instrukcja obsługi dla mini PC GMKtec NUCBOX G3 PLUS. Zawiera informacje o specyfikacjach, podłączeniu, bezpieczeństwie i konserwacji.</p> |
|  | <p>GMKtec NUCBOX G2 PLUS - Instrukcja Obsługi</p> <p>Szczegółowa instrukcja obsługi dla mini PC GMKtec NUCBOX G2 PLUS, zawierająca informacje o podłączeniu, specyfikacjach technicznych, bezpieczeństwie i konserwacji.</p> |

TRIBUTE TO INNOVATION

GMKtec

Geek/Modern/(K)Creativity

Návod k obsluze
GMKtec NUCBOX G3

[Návod k obsluze GMKtec NUCBOX G3: Specifikace a Bezpečnostní Pokyny](#)

Kompletní uživatelský manuál pro GMKtec NUCBOX G3 mini PC. Obsahuje informace o specifikacích, připojení, bezpečnosti, údržbě a záruce produktu.