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› GMKtec Mini PC N150, G3 Plus User Manual

GMKtec G3

GMKtec Mini PC N150, G3 Plus User Manual

Model: G3 Plus

1. INTRODUCTION

Thank you for choosing the GMKtec Mini PC N150, G3 Plus. This compact and powerful desktop computer is designed for a wide range of applications, from routine office tasks and home entertainment to light video editing and specialized scripting. Featuring the Intel Twin Lake N150 processor, ample RAM, and fast SSD storage, it offers a responsive and efficient computing experience. This manual will guide you through the setup, operation, and maintenance of your new Mini PC.

2. WHAT'S IN THE BOX

Upon unboxing your GMKtec Mini PC, please ensure all the following items are present:

- GMKtec Nucbox G3 PLUS Mini PC (12th Gen Intel Twin Lake N150, 16GB RAM, 1TB Hard Drive)
- Power Supply & Cable
- VESA Mount with Screws
- HDMI Cable
- User Manual

RETAIL BOXED PACKAGING

1. Nucbox G3 Plus Mini PC

4.HDMI Cable

2.Power Adapter & Cable

5.VESA Mount with Screws

3.User Manual



Image: The retail boxed packaging showing the Nucbox G3 Plus Mini PC, power adapter and cable, HDMI cable, VESA mount with screws, and user manual.

Video: An official overview of the GMKtec Nucbox G3 Mini PC Desktop Computer, highlighting its features and compact design.

3. PRODUCT OVERVIEW

3.1. Design and Ports

The GMKtec Mini PC G3 Plus features a compact and efficient design, making it suitable for various setups. It includes a comprehensive set of ports for connectivity.



Image: Front and rear views of the GMKtec Mini PC N150, showcasing its compact size and various ports.

2.5G HIGH SPEED ETHERNET

Intel i226V LAN NETWORK COMPATIBLE WITH ESXI VMWARE

Read-write Speed



Transmission Speed

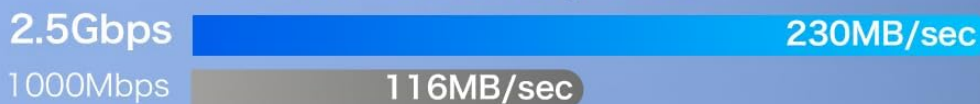
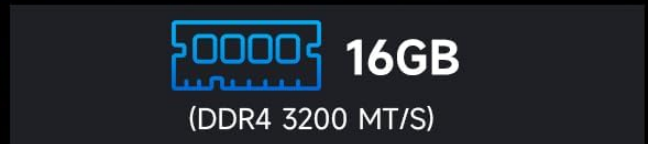
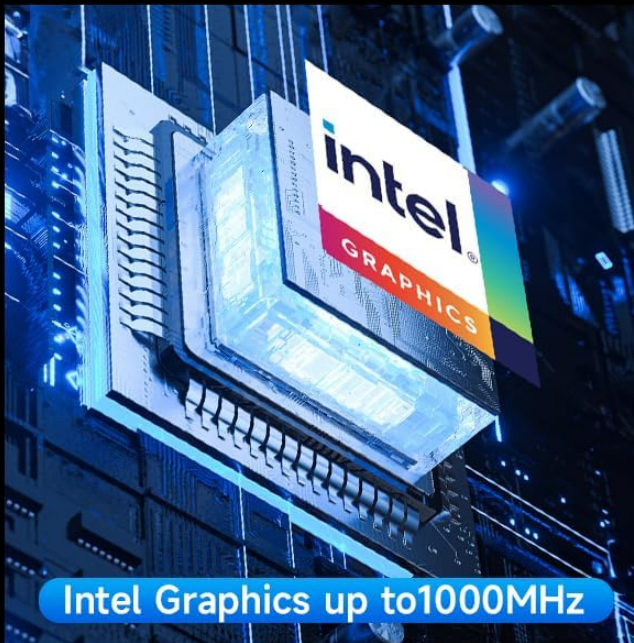


Image: A detailed diagram illustrating the rich interface of the Nucbox G3 PLUS, including USB 3.2 ports, HDMI 4K@60Hz outputs, 2.5G RJ45 LAN, 3.5mm Audio Jack, and Security Lock.

3.2. Processor

Equipped with the 2025 Intel Twin Lake N150 CPU, this Mini PC features 4 Cores and 4 Threads with a 6MB cache, capable of burst speeds up to 3.6GHz. This processor offers improved performance over previous generations, making it ideal for daily computing, office applications, and home entertainment.

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

Additional Function

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

Image: Key features of the GMKtec Nucbox G3 Plus, highlighting the Intel N150 processor, dual 4K output, 16GB DDR4 RAM, 1TB M.2 SSD, Wi-Fi 6, and Bluetooth 5.2.

3.3. Memory and Storage

The Nucbox G3 PLUS comes pre-installed with 16GB DDR4 RAM, ensuring a smooth multitasking experience. For storage, it includes a 1TB PCIe 3.0 M.2 2280 NVMe SSD, allowing for rapid boot times and quick file transfers. The system also supports expansion via an M.2 2242 SATA slot (not included, max 2TB).

PREMIUM PARTS & DESIGN

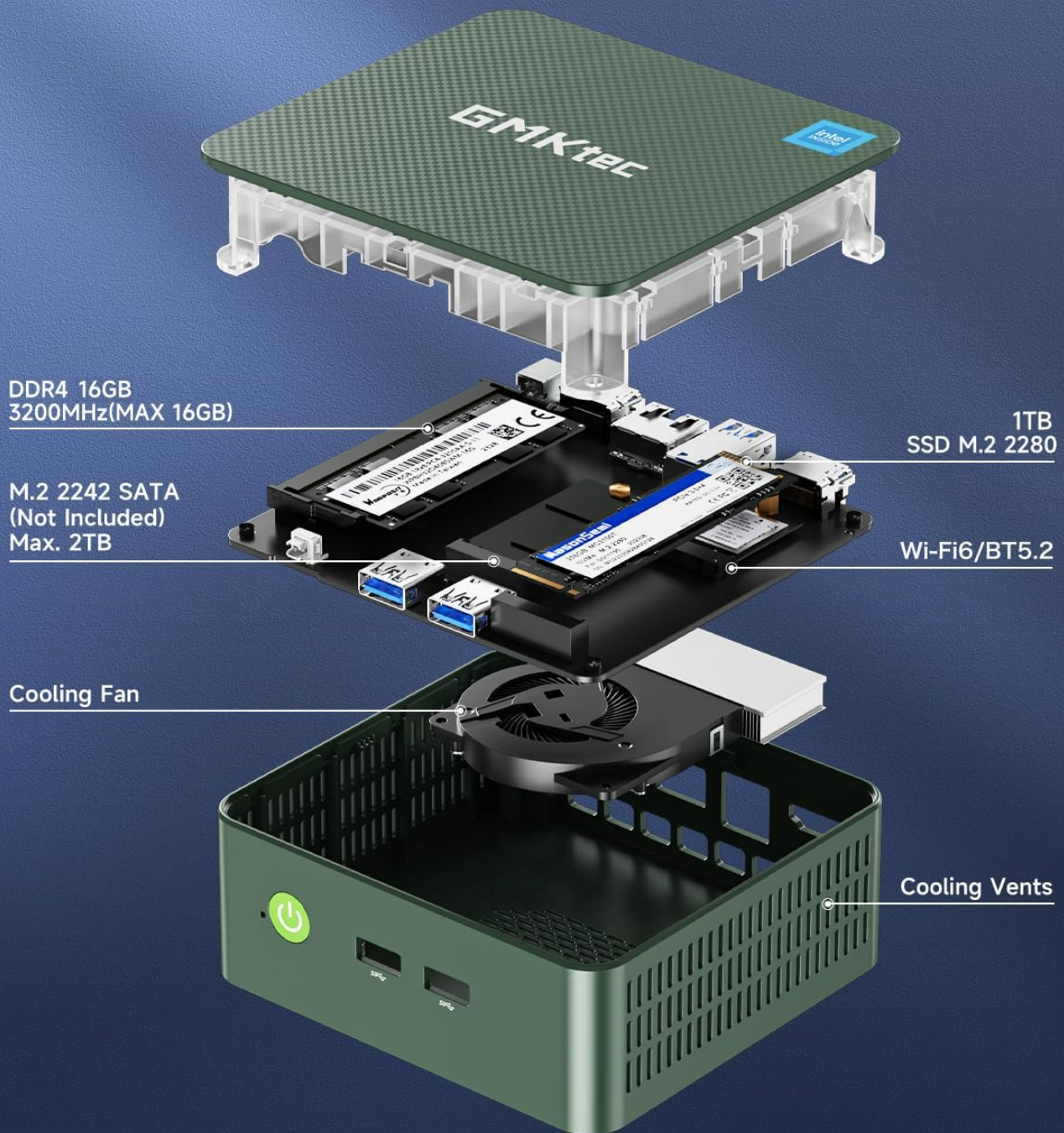


Image: An exploded view of the GMKtec Mini PC, showing its premium parts and design, including the DDR4 RAM, M.2 SSD, cooling fan, and cooling vents.

3.4. Display Support

This Mini PC is equipped with upgraded Intel Graphics (max 1000MHz) and supports 4K video playback and AV1 decoding. With two HDMI 2.0 ports, it allows for efficient multi-tasking across two 4K@60Hz displays, perfect for a home theater setup or a productive workstation.

DUAL SCREEN UHD DISPLAY

Enjoy 4K@60Hz Ultra HD Entertainment



HDMI 2.0 x2



Image: The GMKtec Mini PC connected to two monitors, demonstrating its dual 4K UHD display capability for enhanced entertainment and productivity.

3.5. Connectivity

The G3 Plus features the latest wireless and wired connectivity options for a seamless experience:

- **WiFi 6 (802.11ax):** Offers speeds up to 600Mbps for fast and reliable wireless internet.
- **Bluetooth 5.2:** Enables connection to multiple wireless devices such as mice, keyboards, and other peripherals.
- **2.5GbE RJ45 Ethernet:** Intel i226v 2.5 Gigabit Ethernet provides speeds up to 2.5x faster than standard

Gigabit Ethernet, compatible with various server environments.

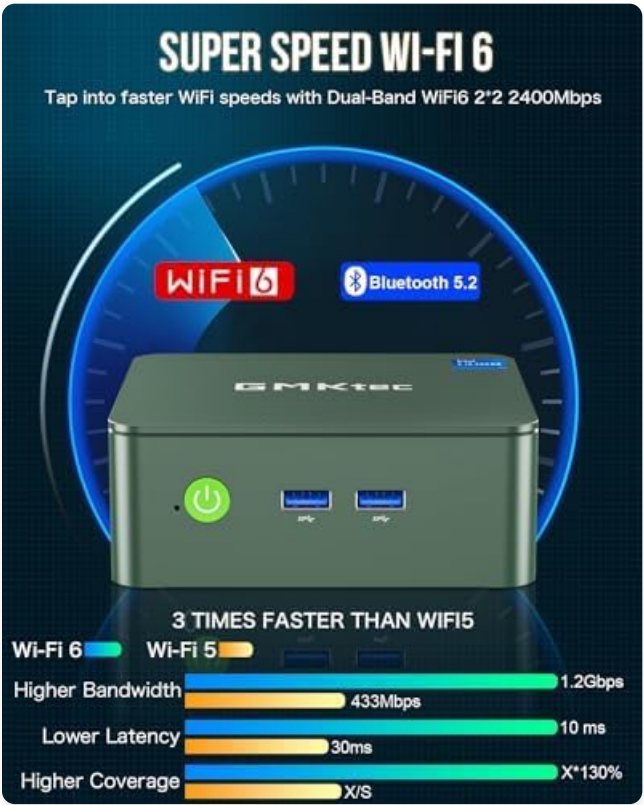


Image: A visual representation of the GMKtec Mini PC's Super Speed Wi-Fi 6 and Bluetooth 5.2 capabilities, highlighting faster speeds and lower latency compared to Wi-Fi 5.



Image: A graphic illustrating the 2.5G High Speed Ethernet of the GMKtec Mini PC, showing read-write and transmission speeds compared to 1000Mbps connections.

3.6. Cooling System

The G3 PLUS features an upgraded cooling fan and uses advanced thermal paste to efficiently dissipate heat from the CPU, ensuring stable performance and reduced fan noise during operation.

4. SETUP INSTRUCTIONS

Follow these steps to set up your GMKtec Mini PC:

1. **Unpack the Mini PC:** Carefully remove all components from the packaging.
2. **Connect Peripherals:**
 - Connect your monitor(s) to the HDMI ports on the back of the Mini PC using the provided HDMI cable or your own.
 - Connect your keyboard and mouse to the available USB 3.2 ports (front or back).
 - For wired internet, connect an Ethernet cable to the RJ45 LAN port. For wireless, ensure your Wi-Fi network is available during setup.
3. **Connect Power:** Plug the power adapter into the DC IN port on the Mini PC, then plug the power cable into a power outlet. It is recommended to use a surge protector.
4. **Power On:** Press the power button on the front of the Mini PC. The power indicator light will illuminate.
5. **Initial Windows Setup:** The Mini PC comes pre-installed with Windows 11. Follow the on-screen prompts to complete the initial setup, including region, language, network connection, and user account creation.

Video: An unboxing video of the GMKtec Mini PC, demonstrating the contents and initial physical setup.

5. OPERATING INSTRUCTIONS

5.1. Basic Operation

- **Power On/Off:** Press the power button once to turn on or off the device. For a forced shutdown, press and hold the power button for 5-7 seconds.
- **Restart:** Use the Windows Start Menu to select 'Restart'.
- **Sleep Mode:** Use the Windows Start Menu to select 'Sleep'.

5.2. Dual Display Setup

To utilize the dual 4K display capability, connect two monitors to the two HDMI ports on the back of the Mini PC. Once connected, Windows will automatically detect the displays. You can configure display settings (extend, duplicate, or single display) via the Display Settings in Windows.

5.3. Software Compatibility

The GMKtec Mini PC is compatible with Windows 11 Pro, Linux, and Ubuntu, offering flexibility for various user needs and applications. It supports Wake On LAN, PXE Boot, RTC Wake, and Auto Power On features, making it suitable for use as a server or for remote management.

6. MAINTENANCE

To ensure the longevity and optimal performance of your GMKtec Mini PC, consider the following maintenance tips:

- **Keep Vents Clear:** Ensure the cooling vents on the sides and bottom of the Mini PC are not obstructed to allow for proper airflow and heat dissipation.
- **Regular Software Updates:** Keep your operating system and drivers updated to benefit from performance improvements, security patches, and new features.
- **Clean Gently:** Use a soft, dry cloth to clean the exterior of the Mini PC. Avoid liquid cleaners or abrasive materials.
- **Proper Shutdown:** Always shut down the Mini PC properly through the operating system to prevent data corruption.

7. TROUBLESHOOTING

If you encounter issues with your GMKtec Mini PC, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Power	Power cable loose; Power adapter faulty; Power outlet issue.	Check power cable connections; Try a different power outlet; Ensure power adapter is functioning.
No Display	HDMI cable loose/faulty; Monitor input not selected; Monitor issue.	Ensure HDMI cables are securely connected; Select correct input on monitor; Test monitor with another device.
No Internet (Wired)	Ethernet cable loose/faulty; Router/modem issue; Network driver issue.	Check Ethernet cable; Restart router/modem; Update network drivers.
No Internet (Wireless)	Wi-Fi disabled; Incorrect Wi-Fi password; Router/modem issue.	Enable Wi-Fi in Windows settings; Re-enter Wi-Fi password; Restart router/modem.
Slow Performance	Too many applications running; Low disk space; Overheating.	Close unnecessary applications; Free up disk space; Ensure proper ventilation.

If the problem persists, please refer to the Warranty & Support section for further assistance.

8. SPECIFICATIONS

Feature	Specification
Brand	GMKtec
Series	Nucbox G3 PLUS
Item Model Number	G3
Processor	3.6 GHz Intel_Mobile_CPU (Intel Twin Lake N150, 4 Core 4 Threads, 6MB cache)
RAM	16 GB DDR4 (3200 MHz)
Hard Drive	1 TB PCIe 3.0 M.2 2280 NVMe/ M.2 2242 SATA (Expandable)
Graphics Coprocessor	Intel UHD Graphics 750MHz (Integrated)
Max Screen Resolution	3840 x 2160 pixels (4K)
Wireless Type	802.11ax (WiFi 6), Bluetooth 5.2
Ethernet	2.5G RJ45 (Intel i226v)
USB Ports	4 x USB 3.0 Ports
HDMI Ports	2 x HDMI 2.0 (4K@60Hz Dual Display)
Audio Jack	3.5mm Audio Jack
Operating System	OS Pro (Windows 11 Pro pre-installed)
Hardware Platform	PC, Linux
Item Weight	1.98 pounds
Color	Lush Green
Special Features	Wake On LAN, PXE Boot, RTC Wake, Auto Power On

9. WARRANTY & SUPPORT

GMKtec offers a 1-year limited warranty for each Mini PC, starting from the date of purchase. This warranty covers all defects due to design and workmanship. GMKtec is a high-tech enterprise integrating scientific research, development, production, and sales of Mini PCs and computer accessories, with a core team of engineers experienced in consumer electronics.

9.1. Customer Support

For any inquiries or technical assistance, please contact the GMKtec after-sales team:

- **Email:** support@gmktec.com (24/7 Customer Support)
- **Amazon Support:** Log in to your Amazon account, navigate to 'Your Orders', and select 'Ask Product

Question' for direct assistance.



Image: A graphic detailing GMKtec's warranty and support options, including Amazon Support and direct email contact for after-sales service.

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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