GMKtec G3 PLUS

GMKtec Nucbox G3 Plus Mini PC User Manual

Model: G3 PLUS | Brand: GMKtec

1. INTRODUCTION

This user manual provides comprehensive instructions for the setup, operation, and maintenance of your GMKtec Nucbox G3 Plus Mini PC. Please read this manual carefully before using the device to ensure optimal performance and longevity.

2. WHAT'S IN THE BOX

Verify that all items are present in the package:

- 1 x GMKtec Nucbox G3 Plus Mini PC
- 1 x Power Adapter
- 1 x User Manual
- 1 x VESA Mount with Screws
- 1 x HDMI Cable

RETAIL BOXED PACKAGING

1. Nucbox G3 Mini PC
2. Power Adapter & Cable
3. User Manual
4. HDMI Cable
5. VESA Mount with Screws
6. Warranty Card

Image: Retail Boxed Packaging showing the mini PC, power adapter, user manual, HDMI cable, and VESA mount with screws.

3. PRODUCT OVERVIEW

3.1. External Features and Ports

The GMKtec Nucbox G3 Plus is designed with a compact form factor and a variety of ports for versatile connectivity.

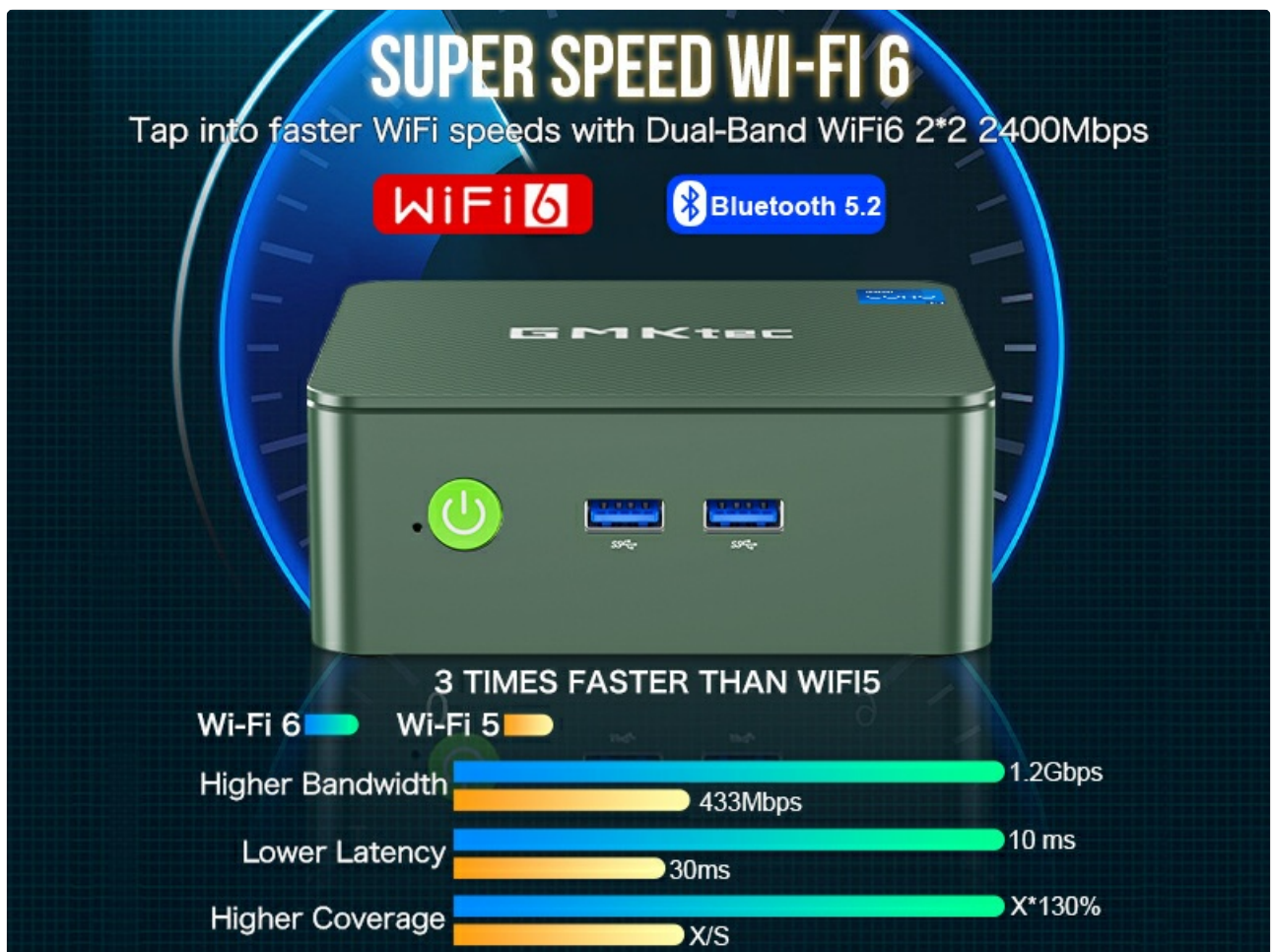Image: Front and rear views of the GMKtec Nucbox G3 Plus Mini PC, highlighting its compact size and various ports.

Image: Detailed diagram showing the front and rear ports of the Nucbox G3 Plus, including Power Button, USB 3.2 ports, HDMI (4K@60Hz) ports, Giga LAN (RJ45 2.5G), 3.5mm Audio Jack, and Security Lock.

3.2. Internal Components

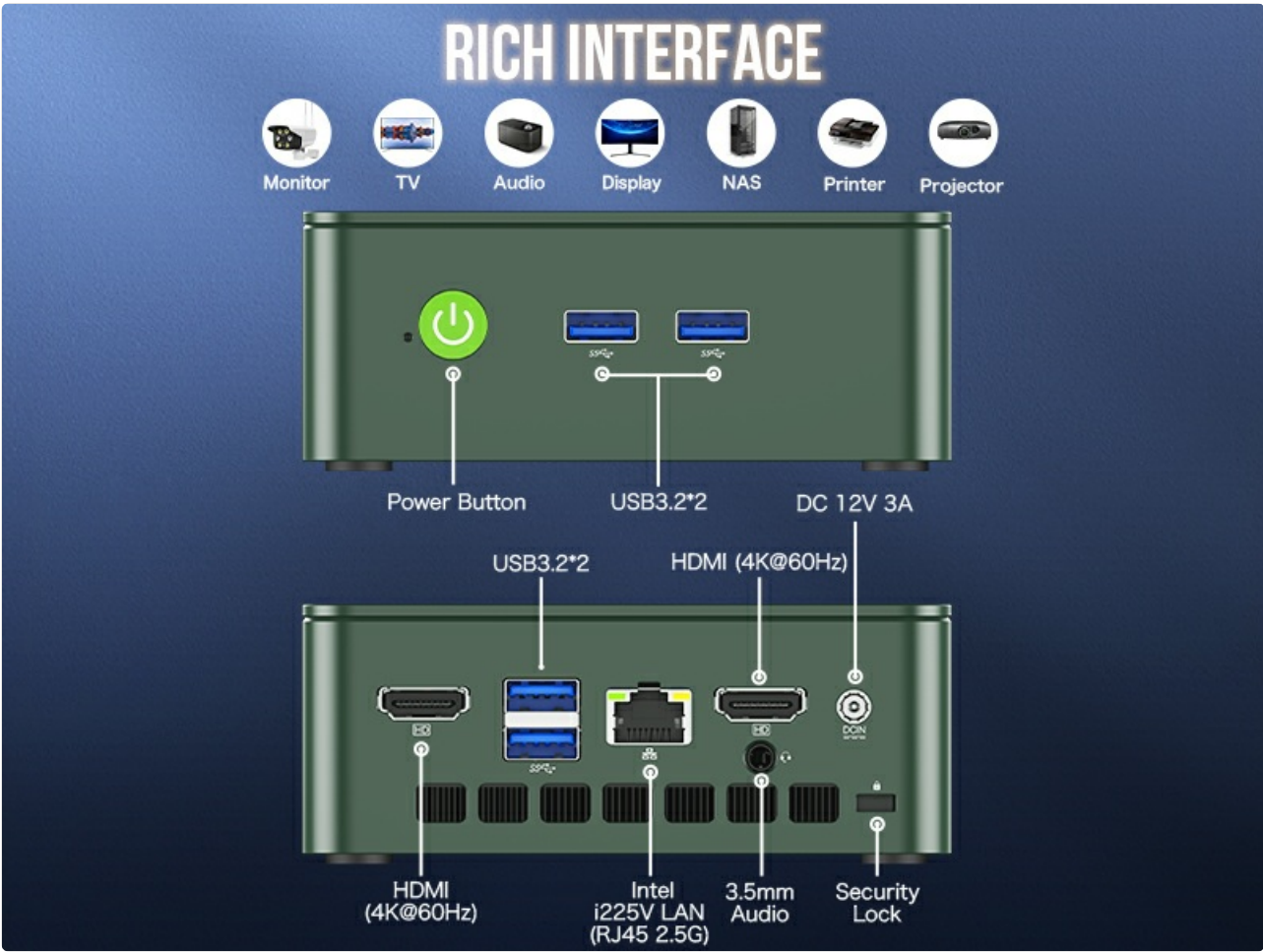The internal design focuses on performance and efficient cooling.

Image: Exploded view illustrating the internal components of the Nucbox G3 Plus, including DDR4 RAM, M.2 2280 NVMe SSD, M.2 2242 SATA slot (not included), cooling fan, and cooling vents.

Your browser does not support the video tag.

Video: An animated overview of the GMKtec Mini PC with Intel N150, showcasing its internal components, ports, and features like Wi-Fi 6, Bluetooth 5.2, and 2.5G LAN. The video highlights the Intel Twin Lake N150 Processor, Intel Graphics, DDR4 SO-DIMM, M.2 2280 NVMe SSD, M.2 2242 SATA, quiet cooling fan, and dual screen display capabilities.

4. SPECIFICATIONS

Key technical specifications of the GMKtec Nucbox G3 Plus Mini PC:

Feature	Specification
Processor	Intel Twin Lake N150 (4 Core 4 Threads, up to 3.6GHz)
Graphics	Intel UHD Graphics (max 1000MHz)
RAM	16GB DDR4 SO-DIMM (3200MHz)
Storage	256GB PCIe 3.0 M.2 2280 NVMe SSD (Max 2TB), M.2 2242 SATA slot (Max 2TB)
Video Output	2 x HDMI 2.0 (4K@60Hz)
USB Ports	4 x USB 3.2 (up to 5Gbps/S)
Network	Intel i226-V 2.5Gbps RJ45 Ethernet, WiFi 6 (802.11ax)
Bluetooth	Bluetooth 5.2

Feature	Specification
Audio	3.5mm Audio Jack
Operating System	Windows 11 Pro (pre-installed)
Dimensions	4.17 x 1.67 x 4.49 inches
Weight	1.8 pounds

5. SETUP GUIDE

Follow these steps to set up your GMKtec Nucbox G3 Plus Mini PC:

1. **Connect to Power:** Plug the power adapter into the DC 12V 3A port on the back of the mini PC, then connect it to a power outlet.
2. **Connect to Display:** Use the provided HDMI cable to connect one of the HDMI ports on the mini PC to your monitor or TV. The device supports dual 4K@60Hz displays.
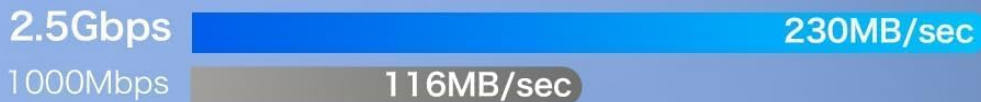
Image: The mini PC connected to two monitors, demonstrating its dual 4K display capability.

3. **Connect Peripherals:** Connect your USB keyboard, mouse, and other peripherals to the available USB 3.2 ports.

4. **Network Connection:** For wired internet, connect an Ethernet cable to the 2.5Gbps RJ45 LAN port. For wireless internet, the device supports WiFi 6.

RICH INTERFACE

Monitor	TV	Audio	Display	NAS	Printer	Projector

Power Button

USB3.2*2

DC 12V 3A

USB3.2*2

HDMI (4K@60Hz)

HDMI (4K@60Hz)

Giga LAN (RJ45 2.5G)
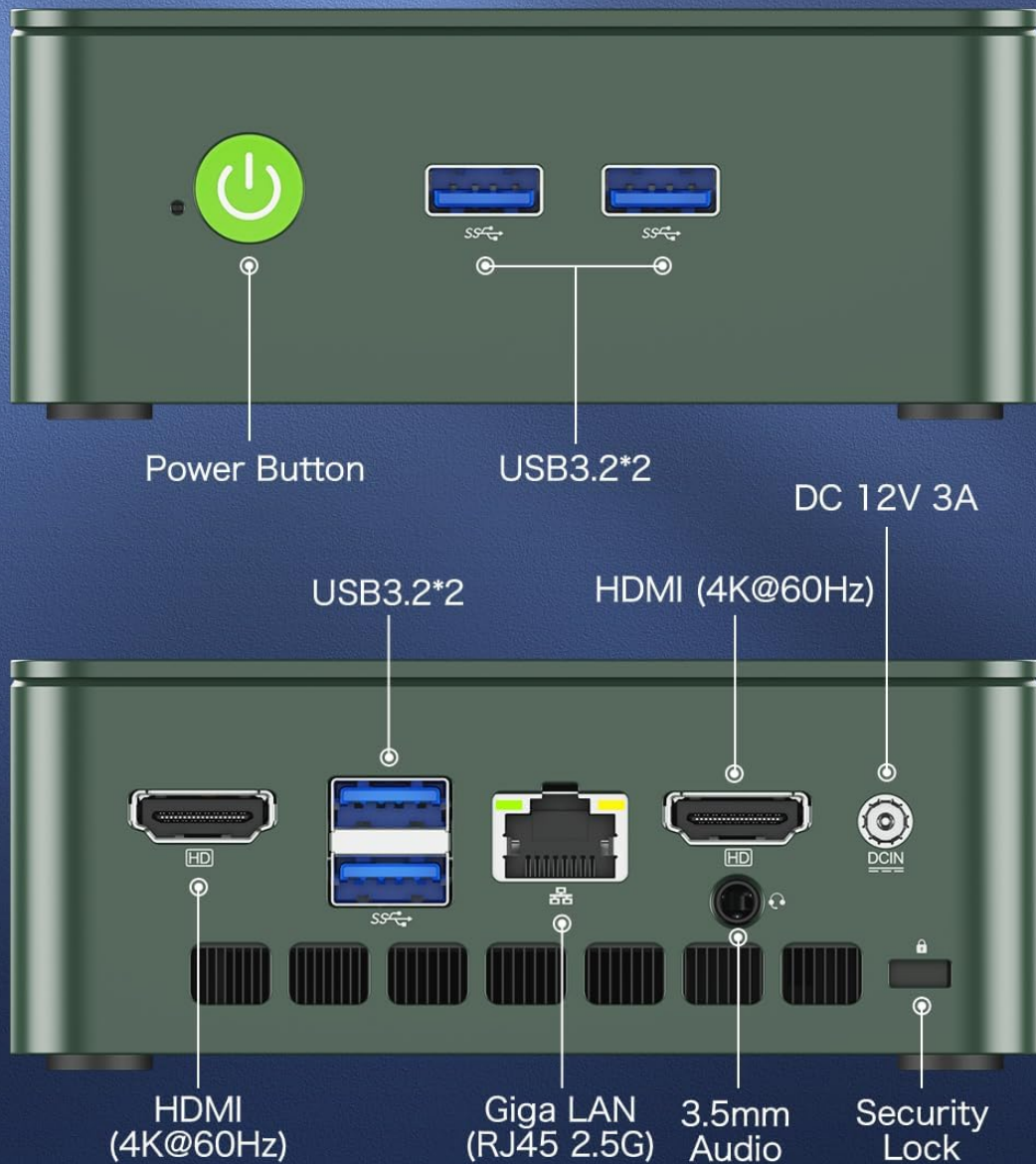
3.5mm Audio

Security Lock

Image: The mini PC with an Ethernet cable connected to its 2.5G LAN port, illustrating high-speed wired connectivity.

5. **Power On:** Press the power button located on the front of the mini PC. The power indicator light will illuminate.

6. **Initial Boot:** The system will boot into Windows 11 Pro. Follow the on-screen instructions for initial Windows setup, including language, region, and network settings.

7. **VESA Mount Installation (Optional):** If desired, use the included VESA mount and screws to attach the mini PC to the back of a compatible monitor.
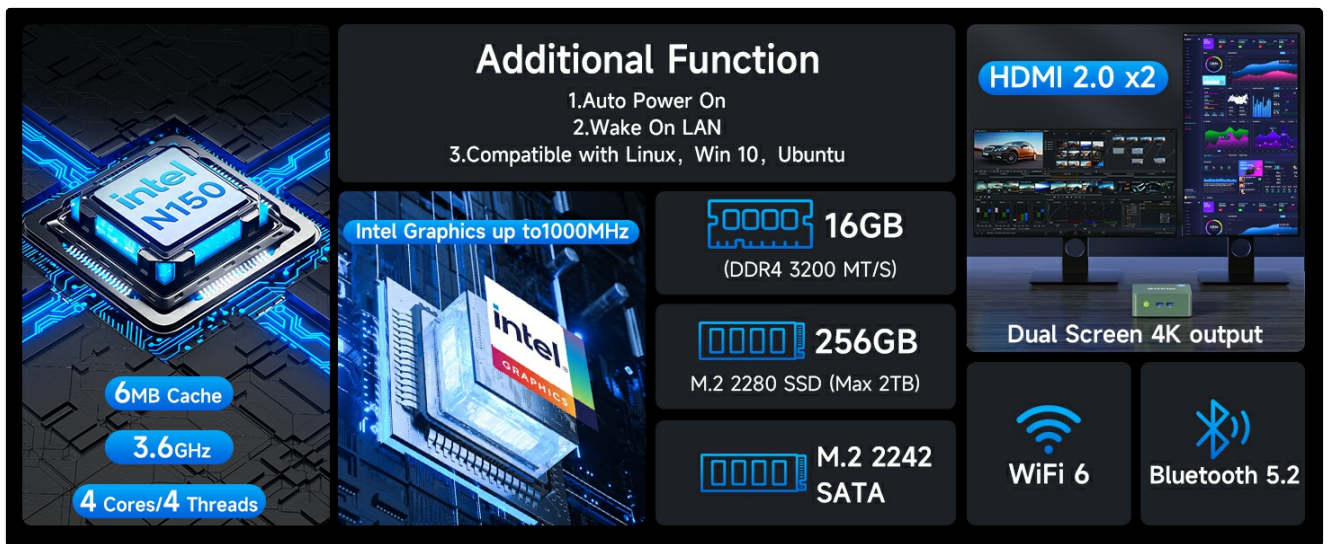
Image: The mini PC shown mounted on the back of a monitor using the VESA mount, demonstrating space-saving installation.

6. OPERATING INSTRUCTIONS

6.1. Power Management

- **Power On:** Press the power button on the front panel.

- **Shut Down:** Click the Start button in Windows, then select Power > Shut down.

- **Restart:** Click the Start button in Windows, then select Power > Restart.

- **Sleep Mode:** Click the Start button in Windows, then select Power > Sleep.

- **Wake On LAN (WoL):** This feature allows you to power on the mini PC remotely over a network. Ensure WoL is enabled in the BIOS settings and your network adapter supports it.

- **PXE Boot:** Supports network boot for system deployment.

- **RTC Wake:** Allows the PC to power on at a scheduled time. Configure this in the BIOS.

- **Auto Power On:** The PC can automatically power on after a power outage. This setting is typically found in the BIOS.

6.2. Connecting to Networks

- **Wired Connection:** Connect an Ethernet cable to the RJ45 port. The 2.5Gbps LAN provides high-speed internet.

- **Wireless Connection (WiFi 6):**

    a. Click the Wi-Fi icon in the system tray.

    b. Select your desired network from the list.

    c. Enter the network security key if prompted.

PREMIUM PARTS & DESIGN

DDR4 16GB
3200MHz(MAX 16GB)

M.2 2242 SATA
(Not Included)
Max. 2TB

256GB
SSD M.2 2280

Wi-Fi6/BT5.2
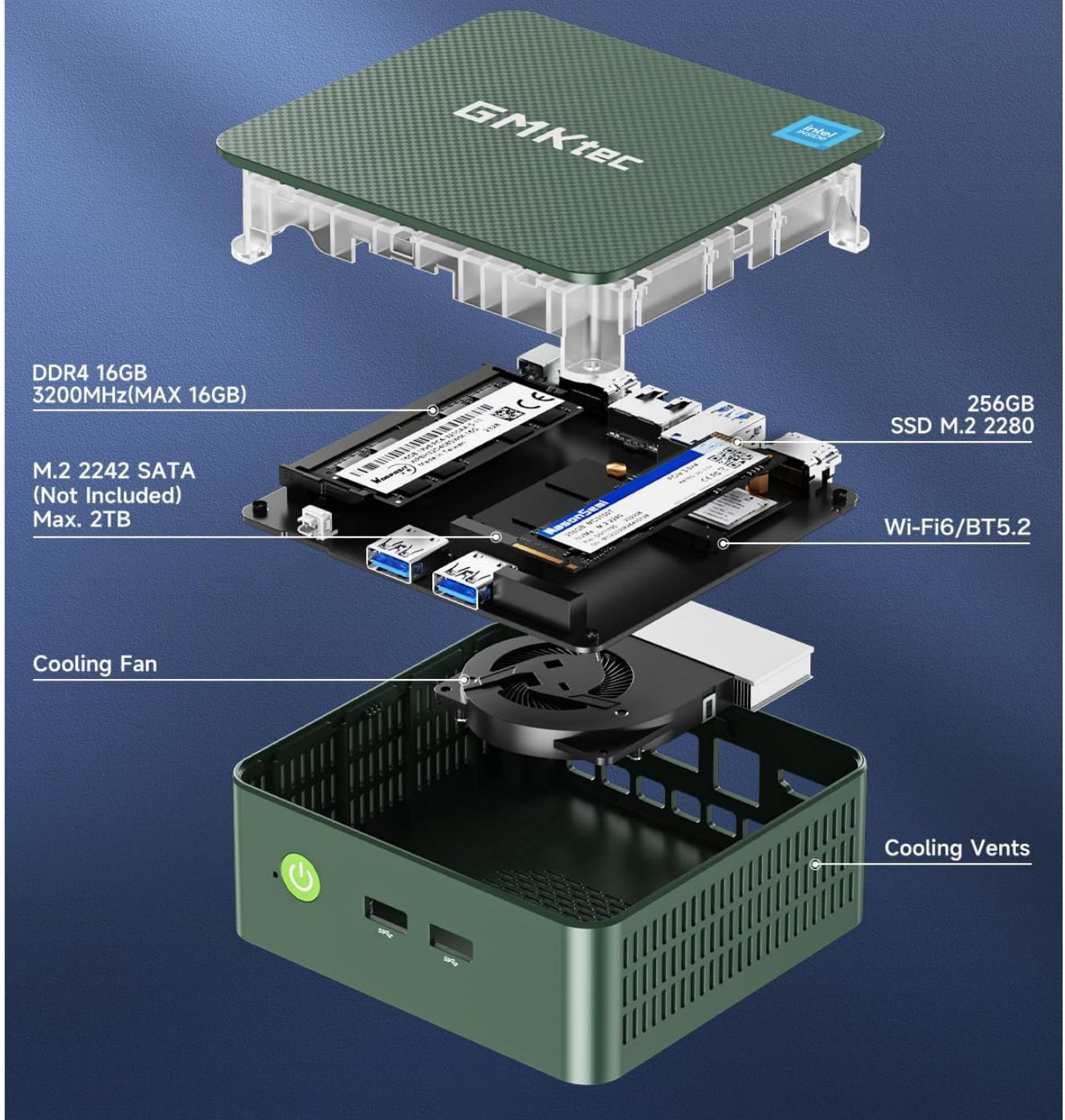
Cooling Fan

Cooling Vents

Image: Diagram illustrating the high-speed WiFi 6 and Bluetooth 5.2 connectivity of the mini PC, showing faster speeds, lower latency, and wider coverage compared to older standards.

- **Bluetooth 5.2:**

    a. Go to Windows Settings > Devices > Bluetooth & other devices.

    b. Ensure Bluetooth is turned On.

    c. Click "Add Bluetooth or other device" and follow the instructions to pair your Bluetooth devices.

6.3. Storage Expansion

The Nucbox G3 Plus supports storage expansion:

- **M.2 2280 NVMe SSD:** The device comes with a 256GB PCIe 3.0 M.2 2280 NVMe SSD. This can be upgraded to a maximum of 2TB.
- **M.2 2242 SATA:** An additional M.2 2242 SATA slot is available for further storage expansion, supporting up to 2TB.

Note: Upgrading internal components should be performed by users with technical expertise. Refer to online guides or professional assistance if unsure.

7. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your mini PC:

- **Keep it Clean:** Regularly clean the exterior of the mini PC with a soft, dry cloth. Avoid using liquid cleaners directly on the device.
- **Ventilation:** Ensure the cooling vents are not obstructed to allow for proper airflow. The upgraded cooling fan and copper turbine pipes are designed for efficient heat dissipation.
- **Software Updates:** Keep your operating system and drivers updated to the latest versions for security and performance improvements.
- **Dust Removal:** Periodically, and with caution, use compressed air to clear dust from the cooling vents. Do not open the casing unless you are familiar with computer hardware.
- **Temperature:** Operate the mini PC in a well-ventilated area, away from direct sunlight or heat sources, to prevent overheating.

Image: An internal view of the mini PC highlighting the quiet cooling fan and the airflow paths for heat dissipation, emphasizing the improved thermal design.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your GMKtec Nucbox G3 Plus Mini PC.

Problem	Possible Cause / Solution
No Power / Does not turn on	- Ensure the power adapter is securely connected to both the mini PC and a working power outlet. - Verify the power outlet is functional. - Try a different power adapter if available and compatible.
No Display on Monitor	- Check if the HDMI cable is securely connected to both the mini PC and the monitor. - Ensure the monitor is powered on and set to the correct input source (HDMI 1, HDMI 2, etc.). - Try a different HDMI cable or monitor if possible.
No Internet Connection (Wired)	- Verify the Ethernet cable is properly connected to the RJ45 port and your router/modem. - Check your router/modem for internet connectivity. - Restart your router/modem and the mini PC.
No Internet Connection (Wireless)	- Ensure Wi-Fi is enabled in Windows settings. - Check if you are connected to the correct Wi-Fi network and have entered the password correctly. - Move closer to the Wi-Fi router or reduce interference. - Restart your Wi-Fi router and the mini PC.
Slow Performance	- Close unnecessary applications running in the background. - Check for sufficient free storage space on your SSD. - Ensure the mini PC is well-ventilated and not overheating. - Run a system scan for malware or viruses. - Update drivers and Windows.

9. WARRANTY AND SUPPORT

GMKtec offers comprehensive support for your Nucbox G3 Plus Mini PC:

- **Warranty:** GMKtec provides a 1-year limited warranty for each mini PC, effective from the date of purchase. This warranty covers defects due to design and workmanship.
- **Technical Support:** For any technical issues or inquiries, you can contact the GMKtec after-sales team.
- **Contact Information:**

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

- **Lifetime Technical Support:** GMKtec is committed to providing lifetime technical support for its products.
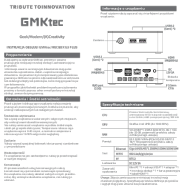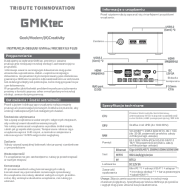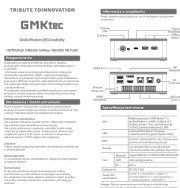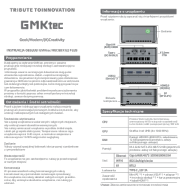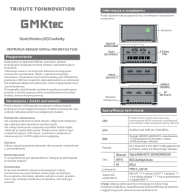
Image: Graphic detailing GMKtec's warranty and support options, including Amazon support and direct email support.

Related Documents - G3 PLUS

[GMKtec NUCBOX G3 PLUS User Manual and Specifications](#)
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.

[Instrukcja Obsługi GMKtec NUCBOX G3 PLUS - Mini PC](#)
Szczegółowa instrukcja obsługi dla mini PC GMKtec NUCBOX G3 PLUS. Zawiera informacje o specyfikacjach, podłączeniu, bezpieczeństwie i konserwacji.

[GMKtec NUCBOX M5 PLUS User Manual and Safety Guide](#)
Comprehensive user manual for the GMKtec NUCBOX M5 PLUS mini PC, detailing setup, specifications, safety precautions, and warranty information. Learn how to connect your device, access BIOS, and ensure safe operation.

[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.

[GMKtec NUCBOX G2 PLUS - Instrukcja Obsługi](#)

Szczegółowa instrukcja obsługi dla mini PC GMKtec NUCBOX G2 PLUS, zawierająca informacje o podłączeniu, specyfikacjach technicznych, bezpieczeństwie i konserwacji.

[GMKtec M6 Mini PC User Manual](#)

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.