GMKtec G10

GMKtec G10 Mini PC Ryzen 5 3500U User Manual

Model: G10 | Brand: GMKtec

INTRODUCTION

This manual provides comprehensive instructions for the GMKtec G10 Mini PC, a compact desktop computer featuring an AMD Ryzen 5 3500U processor. It is designed for various applications including office work, home entertainment, and light gaming. This guide covers initial setup, operational procedures, maintenance tips, troubleshooting common issues, and detailed product specifications to ensure optimal performance and user experience.

Image: The GMKtec G10 Mini PC, showcasing its compact design and various ports.

What's in the Box

Upon opening the GMKtec G10 Mini PC package, you should find the following items:

- GMKtec Nucbox G10 Mini PC Ryzen 5 3500U Mini PC Computer
- HDMI Cable
- Type-C Power Supply
- VESA Mount
- User Manual

Retail Boxed Packaging

1. Nucbox G10 Mini PC

2. Power Supply & Cable

3. User Manual

4. HDMI Cable

5. VESA Mount with Screws

Image: All components included in the GMKtec G10 Mini PC retail packaging.

SETUP GUIDE

Follow these steps to set up your GMKtec G10 Mini PC:

1. **Connect Peripherals:** Connect your keyboard, mouse, and monitor(s) to the available USB and display ports (HDMI, DisplayPort, or USB-C).

2. **Power Connection:** Connect the Type-C power supply to the designated power input port on the mini PC and then plug it into a power outlet.

3. **Power On:** Press the power button located on the front of the device. The power indicator light will illuminate.

4. **Initial Operating System Setup:** If this is the first boot, follow the on-screen instructions to complete the operating system setup (e.g., Windows 11 Pro).

RICH INTERFACE

1*Type-C (PD Only)   1*USB2.0   1*HDMI2.1(4K@60Hz)

1*CTIA   2*USB3.2 (5Gbps)   1*Power Button   Kensington Lock   1*Type-C (DP/DATA/PD)   1*2.5G Giga LAN   1*DP1.4 (4K@60Hz)
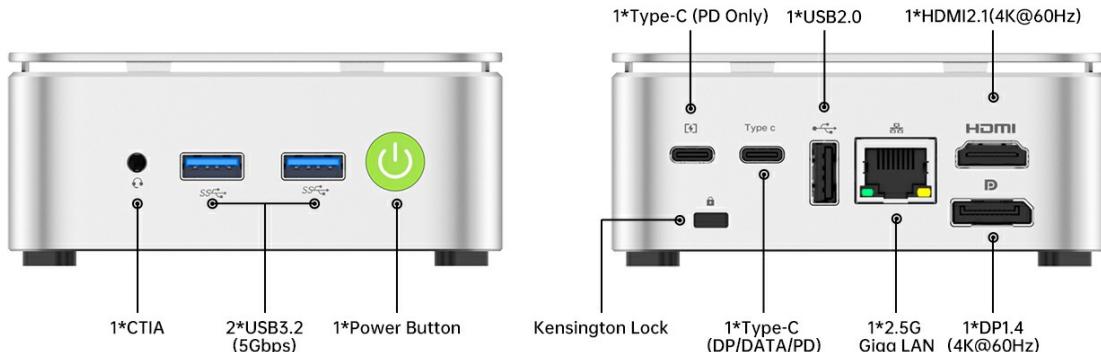
Image: Detailed view of the GMKtec G10 Mini PC's front and rear ports, including USB, HDMI, DisplayPort, and LAN.

OPERATING INSTRUCTIONS

Basic Operation

- **Power On/Off:** Press the power button to turn the device on. To turn off, use the operating system's shutdown function or press and hold the power button for 5 seconds.
- **Restart:** Use the operating system's restart function.

Display Setup

The GMKtec G10 supports triple 4K@60Hz display output via HDMI 2.1, DisplayPort 1.4, and a full-function USB-C port. Connect up to three monitors for extended desktop or mirrored display configurations.

TRIPLE SCREEN HD DISPLAY
HDMI + DP + Type-C (DP) Enjoy 4K@60Hz Ultra HD Entertainment

Image: A GMKtec G10 Mini PC powering a triple monitor setup for enhanced productivity.

Networking

The device features a 2.5GbE RJ45 LAN port for high-speed wired internet, WiFi 5 for wireless connectivity, and Bluetooth 5.2 for connecting wireless peripherals.

Image: The GMKtec G10 Mini PC demonstrating its wireless and wired networking capabilities.

Storage and Memory Expansion

The GMKtec G10 comes with 16GB dual-channel DDR4 RAM and a 512GB M.2 PCIe 3.0 SSD. Both are upgradeable:

- **RAM:** Expandable up to 32GB DDR4.
- **Storage:** Features dual M.2 2280 PCIe 3.0 slots, supporting up to 2x 8TB SSDs for a total of 16TB.
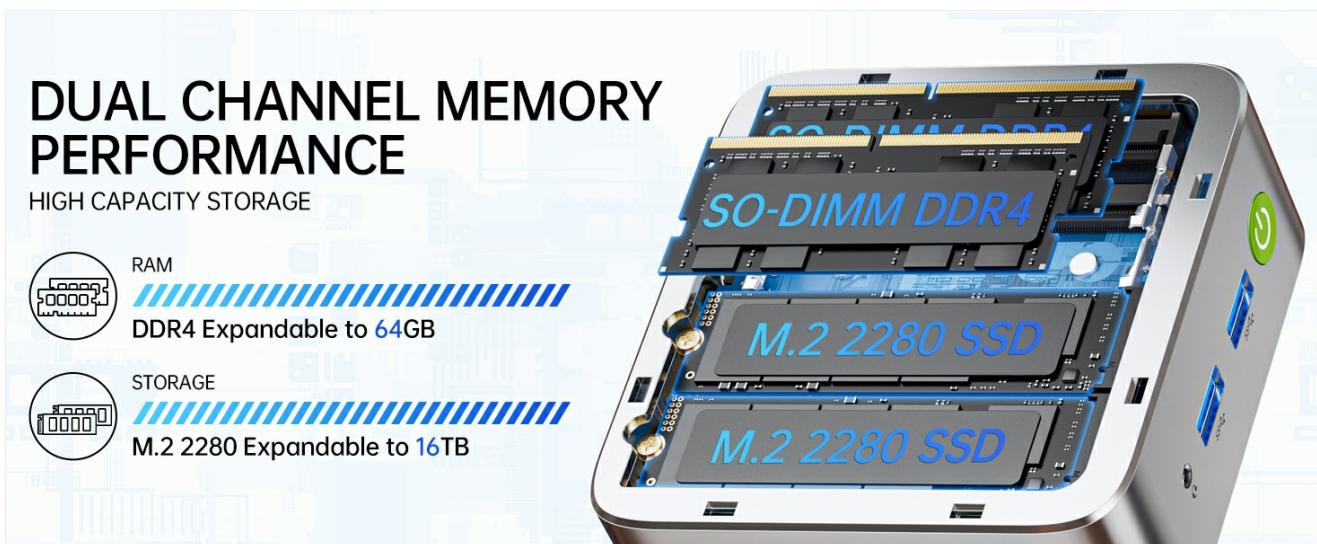

Image: Exploded view of the GMKtec G10's internal components, highlighting the dual SO-DIMM DDR4 and M.2 SSD slots for upgrades.

Product Overview Video

Your browser does not support the video tag.

Video: An overview of the GMKtec G10 Mini PC, detailing its features, ports, and internal components.

MAINTENANCE

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

- **Cleaning:** Regularly clean the exterior of the mini PC with a soft, dry cloth. Use compressed air to gently clear dust

from the ventilation grilles to prevent overheating. Ensure the device is powered off and unplugged before cleaning.

- **Software Updates:** Keep your operating system and drivers updated to the latest versions. This improves security, stability, and performance.

- **Cooling System:** The G10 features an advanced cooling system designed for quiet operation. Ensure the vents are not obstructed to allow for proper airflow.

Image: A graph demonstrating the low noise output of the G10 Mini PC's silent cooling system compared to typical office and outdoor noise levels.
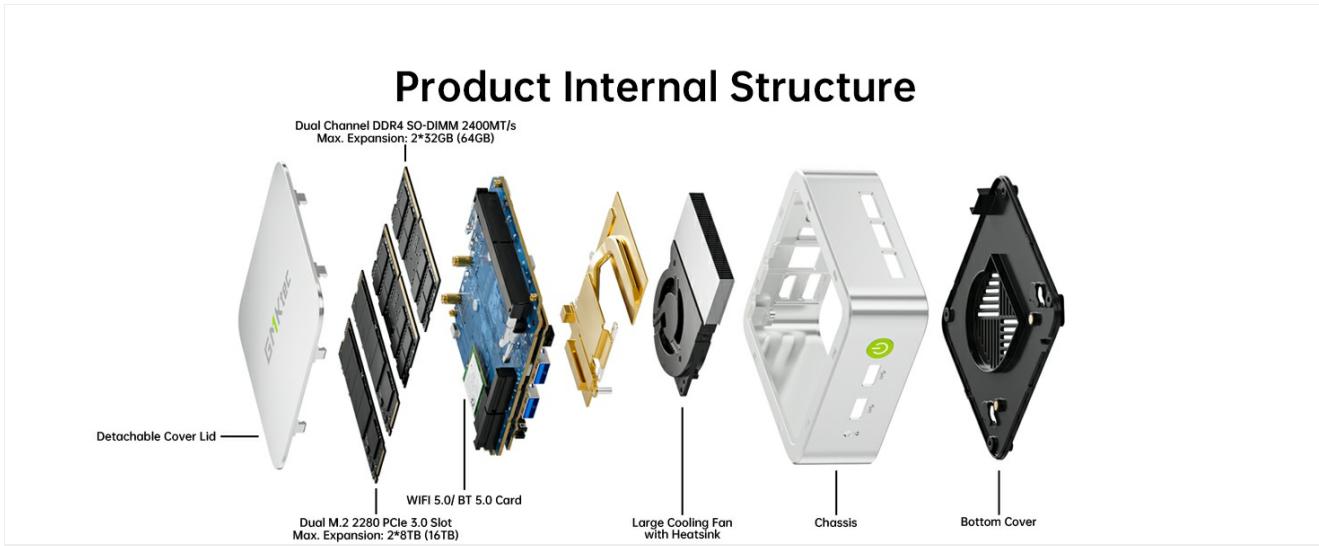
Image: An exploded diagram illustrating the internal structure of the GMKtec G10, highlighting the cooling components.

TROUBLESHOOTING

If you encounter issues with your GMKtec G10 Mini PC, refer to the following common solutions:

- **No Power:**

  - Ensure the power adapter is securely connected to both the mini PC and a working power outlet.
  - Verify the power outlet is functional by plugging in another device.

- **No Display:**

  - Check all display cable connections (HDMI, DisplayPort, USB-C) between the mini PC and the monitor(s).
  - Ensure the monitor is powered on and set to the correct input source.

- Try connecting to a different display or using a different cable.

- **No Internet Connection:**

    - For wired connection, ensure the Ethernet cable is properly connected to the 2.5GbE LAN port and your router/modem. Check router status.

    - For Wi-Fi, verify that Wi-Fi is enabled in the operating system and you are connected to the correct network with the correct password.

- **Slow Performance:**

    - Close unnecessary applications running in the background.

    - Ensure the cooling vents are clear of obstructions to prevent thermal throttling.

    - Check for and install any available operating system or driver updates.

If these steps do not resolve your issue, please contact GMKtec customer support for further assistance.

Specifications

Detailed technical specifications for the GMKtec G10 Mini PC:

Feature	Specification
Processor	AMD Ryzen 5 3500U (4C/8T, up to 3.7GHz)
Graphics	AMD Radeon Vega 8 Graphics (1200 MHz)
RAM	16GB DDR4 (Dual-channel, expandable up to 32GB)
Storage	512GB M.2 PCIe 3.0 SSD (Dual M.2 2280 slots, expandable up to 2x 8TB)
Operating System	OS Pro (Windows 11 Pro compatible)
Video Output	HDMI 2.1, DisplayPort 1.4, USB-C (Triple 4K@60Hz display support)
LAN	1x 2.5GbE RJ45
Wireless Connectivity	WiFi 5, Bluetooth 5.2
USB Ports	2x USB 3.2 Gen1, 1x USB 2.0, 1x USB-C (Full-Function: PD/DP/Data)
Audio	3.5mm audio jack
Dimensions	3.86 x 1.65 x 4.06 inches
Weight	2.03 pounds

Warranty and Support

GMKtec is committed to providing reliable products and excellent customer service.

Warranty Information

The GMKtec G10 Mini PC includes a full **1-year warranty** from the date of purchase. This warranty covers all hardware faults due to manufacturing defects or workmanship. Please retain your proof of purchase for warranty claims.

Customer Support

For any questions, technical assistance, or warranty claims, please contact our professional after-sales team:

- **Email Support:** support@gmktec.com
- **Online Support:** Visit the GMKtec store on Amazon and navigate to the 'Contact Seller' option through your order history.

Image: GMKtec customer support details, including email and online contact methods.