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## GMKtec G10

# GMKtec Nucbox G10 Mini PC User Manual

Model: G10 | Brand: GMKtec

## 1. INTRODUCTION

The GMKtec Nucbox G10 Mini PC is a compact and powerful desktop computer designed for various applications, from office tasks and home entertainment to light gaming. Featuring an AMD Ryzen 5 3500U processor, 16GB DDR4 RAM, and a 256GB SSD, it offers efficient performance in a small form factor. This manual provides essential information for the proper setup, operation, and maintenance of your device.

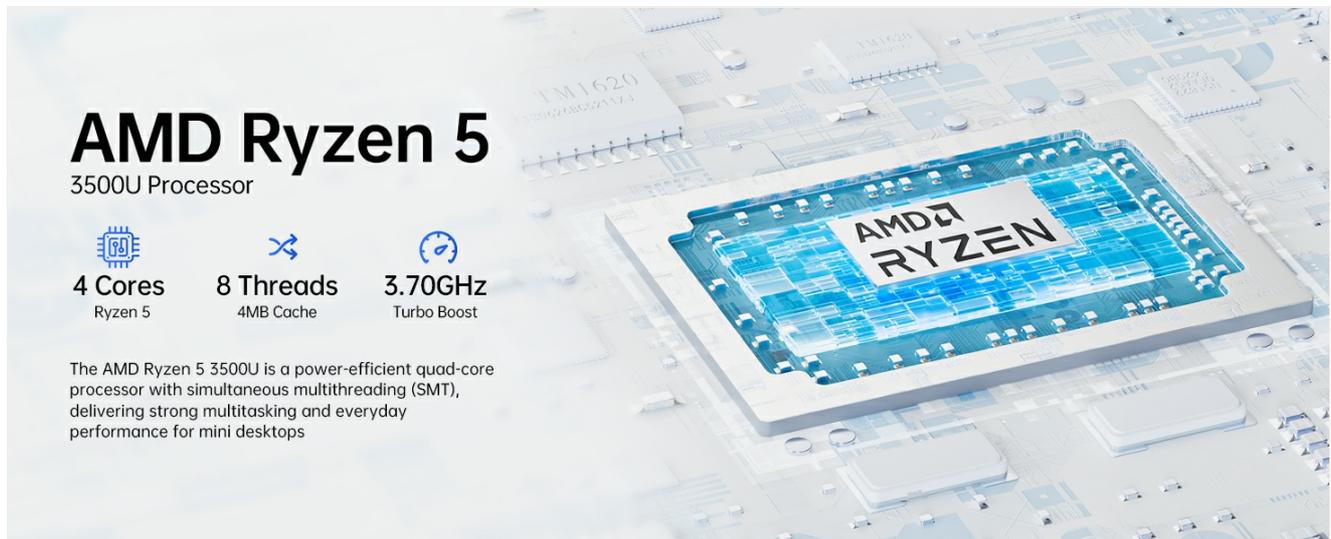


Image: Overview of the GMKtec Nucbox G10 Mini PC highlighting its AMD Ryzen 5 3500U processor, memory, storage, and compact design.

## 2. WHAT'S IN THE BOX

Upon unpacking your GMKtec Nucbox G10 Mini PC, please ensure all the following items are present:

- GMKtec Nucbox G10 AMD Ryzen 5 3500U Mini PC Computer
- Power Supply & Cable
- HDMI Cable
- VESA Mount and Screws

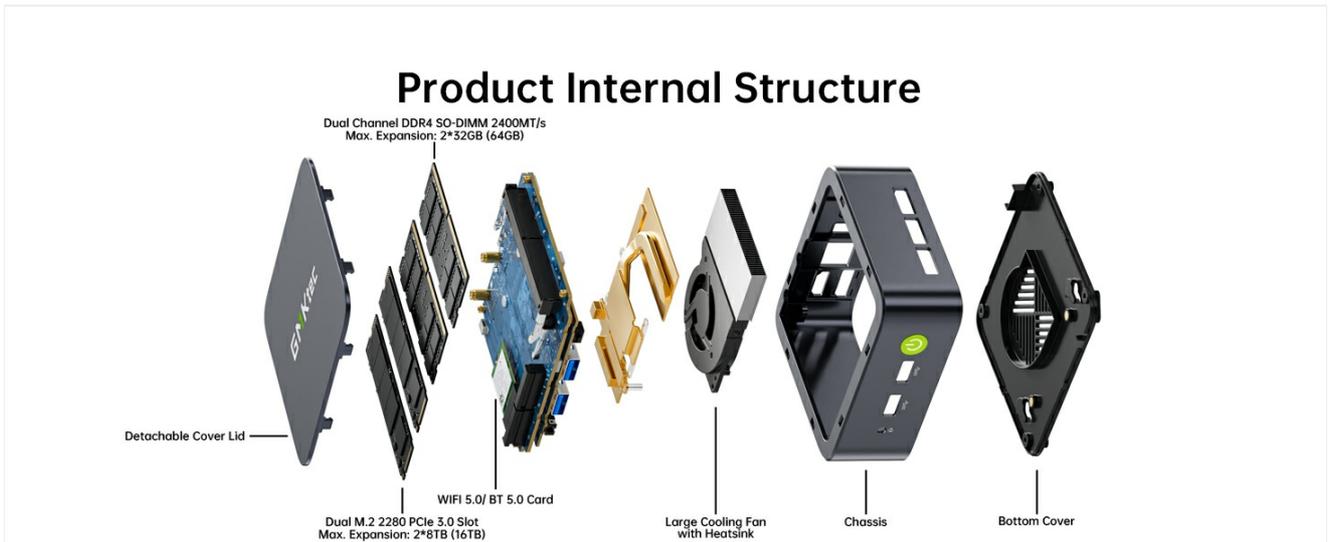


Image: Retail packaging contents for the GMKtec Nucbox G10 Mini PC.

### 3. PRODUCT OVERVIEW: PORTS AND FEATURES

Familiarize yourself with the various ports and features of your GMKtec Nucbox G10 Mini PC for optimal connectivity and usage.

#### Front Panel

- **1x CTIA Audio Jack:** For headphones or headsets.
- **2x USB 3.2 (5Gbps) Ports:** For connecting high-speed USB devices.
- **1x Power Button:** To turn the device on or off.

#### Rear Panel

- **1x Type-C (PD Only) Port:** For power delivery.
- **1x USB 2.0 Port:** For connecting standard USB devices.
- **1x HDMI 2.1 (4K@60Hz) Port:** For connecting to a display.
- **1x Kensington Lock Slot:** For security.
- **1x Type-C (DP/DATA/PD) Port:** Full-function USB-C for display, data, and power delivery.
- **1x 2.5G Giga LAN Port:** For high-speed wired network connection.
- **1x DP1.4 (4K@60Hz) Port:** For connecting to a display.

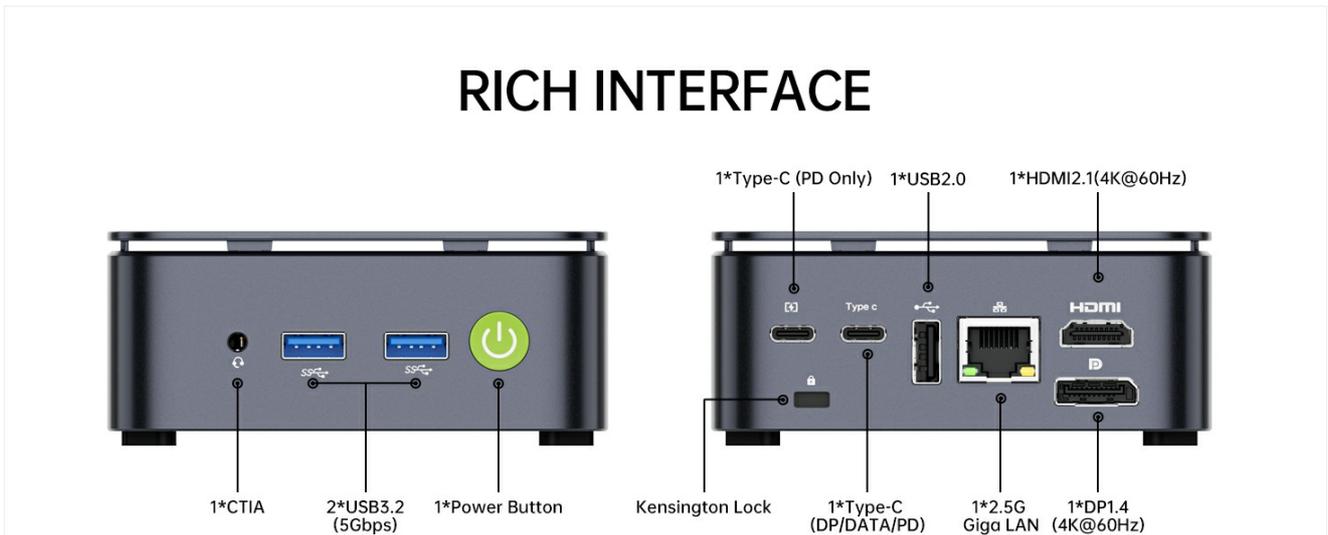


Image: Detailed view of the GMKtec Nucbox G10 Mini PC's front and rear interfaces.

## 4. SETUP INSTRUCTIONS

Follow these steps to set up your GMKtec Nucbox G10 Mini PC.

1. **Connect to a Display:** Use the provided HDMI cable to connect the Mini PC to your monitor or TV. You can also use the DisplayPort or USB-C (DP enabled) for additional displays.
2. **Connect Peripherals:** Plug in your USB keyboard and mouse into the available USB ports.
3. **Connect to Power:** Connect the power adapter to the DC-in port on the Mini PC and then plug it into a power outlet.
4. **Power On:** Press the power button on the front of the Mini PC. The device will boot up.
5. **Initial Windows Setup:** Follow the on-screen instructions to complete the Windows 11 Pro operating system setup. This typically involves selecting language, region, and creating a user account.
6. **Network Connection:** Connect to your network via Wi-Fi 5 or by plugging an Ethernet cable into the 2.5G Giga LAN port.

## 5. OPERATING INSTRUCTIONS

This section covers basic operation and advanced features of your Mini PC.

### Triple Display Setup

The Nucbox G10 supports up to three simultaneous 4K displays. Connect your monitors using the HDMI 2.1, DisplayPort 1.4, and the full-function USB-C (DP enabled) ports. Once connected, configure display settings within the operating system.

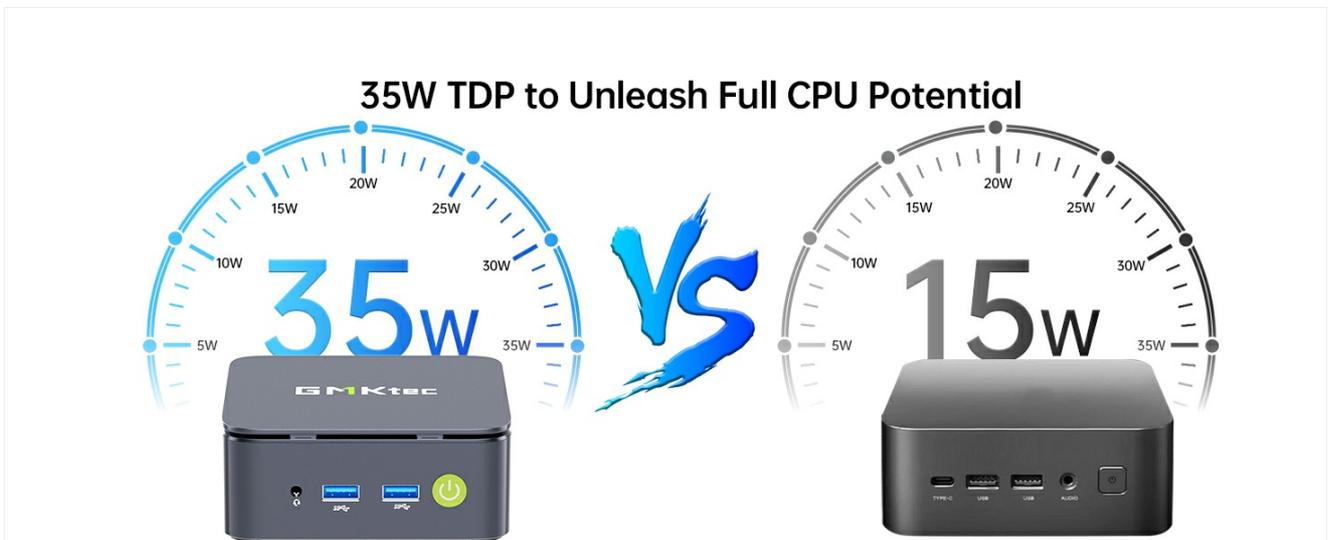


Image: Example of a triple screen display setup with the GMKtec Nucbox G10 Mini PC.

### Network and Wireless Connectivity

The Mini PC offers versatile connectivity options:

- **Wi-Fi 5:** For wireless internet access. Configure through Windows network settings.
- **Bluetooth 5.0:** For connecting wireless peripherals like keyboards, mice, and headphones. Pair devices through Windows Bluetooth settings.
- **2.5GbE LAN:** For a stable and high-speed wired network connection.



Image: Wireless and wired connectivity options for the GMKtec Nucbox G10 Mini PC.

## Memory and Storage Expansion

The Nucbox G10 supports upgrades for both RAM and storage:

- **RAM:** The device comes with 16GB DDR4 SO-DIMM RAM (2x8GB) and supports expansion up to 64GB.
- **Storage:** It features dual M.2 2280 PCIe 3.0 slots, supporting storage expansion up to 16TB (2x8TB).

For upgrades, consult a qualified technician or refer to detailed upgrade guides available from GMKtec to avoid damaging the device.

## DUAL CHANNEL MEMORY PERFORMANCE

HIGH CAPACITY STORAGE

RAM

DDR4 Expandable to 64GB

STORAGE

M.2 2280 Expandable to 16TB

Image: Internal view showing memory and storage expansion slots.

## 6. MAINTENANCE

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

### Cooling System

The Nucbox G10 features an ultra-efficient cooling system with a silent turbo cooling fan to maintain optimal operating temperatures. Ensure proper airflow around the device by keeping vents clear of obstructions.



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

Image: Internal view of the cooling system.



## WIFI 5 + BT5.0 + 2.5GbE Ethernet LAN

Experience fast stable internet with this Mini PC's triple networking options: WiFi 5 for wireless freedom, Bluetooth 5.0 for smooth peripherals, and 2.5 Gigabit Ethernet for wired speed. Perfect for work, entertainment, and 4K streaming—without compromise.

Image: Noise level comparison for the silent cooling system.

## Cleaning

Regularly clean the exterior of the Mini PC with a soft, dry cloth. Use compressed air to gently clear dust from the ventilation openings. Do not use liquid cleaners directly on the device.

## Software Updates

Keep your operating system and drivers updated to ensure system stability, security, and optimal performance. Windows updates can be managed through the system settings.

## 7. TROUBLESHOOTING

This section addresses common issues you might encounter.

### 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 Output

- Check that the HDMI, DisplayPort, or USB-C cable is firmly connected to both the Mini PC and the monitor.
- Ensure the monitor is powered on and set to the correct input source.

- Try a different cable or display if available.

## Network Connectivity Issues

- **Wi-Fi:** Check if Wi-Fi is enabled in Windows settings. Restart your router and the Mini PC.
- **Wired (LAN):** Ensure the Ethernet cable is properly connected. Check your router and network settings.

## Slow Performance

- Close unnecessary applications running in the background.
- Ensure the cooling vents are not obstructed to prevent overheating.
- Check for and install any pending Windows updates.

If you encounter issues not covered here, please refer to the official GMKtec support resources.

## 8. SPECIFICATIONS

Detailed technical specifications for the GMKtec Nucbox G10 Mini PC.

Feature	Specification
Processor	AMD Ryzen 5 3500U (4 Cores, 8 Threads, 3.7 GHz Turbo Boost)
Graphics	AMD Radeon Vega 8 Graphics (1200 MHz)
RAM	16GB DDR4 SO-DIMM (2x8GB), expandable to 64GB
Storage	256GB M.2 2280 NVMe SSD, Dual Slot (Max. 16TB)
Operating System	Windows 11 Pro
Wireless Connectivity	Wi-Fi 5, Bluetooth 5.0
Wired Connectivity	1x 2.5GbE LAN Port
Video Output	1x HDMI 2.1 (4K@60Hz), 1x DP1.4 (4K@60Hz), 1x Full-Function USB-C (DP/DATA/PD)
USB Ports	2x USB 3.2 (5Gbps), 1x USB 2.0, 1x USB-C (PD Only)
Audio Port	1x CTIA Audio Jack
Dimensions	6.42 x 6.23 x 4.14 inches
Weight	2.07 pounds

## 9. WARRANTY AND SUPPORT

GMKtec products are designed for reliability and performance. For warranty information, please refer to the documentation included with your purchase or visit the official GMKtec website.

For technical support, troubleshooting assistance, or service inquiries, please contact GMKtec customer support through their official channels. Keep your product model number (G10) and purchase details ready when contacting support.

Official GMKtec Store: [GMKtec Amazon Store](#)

