

GMKtec KB5

GMKtec Mini PC KB5 User Manual

Model: KB5
Brand: GMKtec

1. INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your GMKtec Mini PC. Please read this manual thoroughly before using the device to ensure optimal performance and safety.

2. SAFETY INFORMATION

- Ensure proper ventilation around the Mini PC to prevent overheating.
- Use only the provided power adapter.
- Keep the device away from water, moisture, and extreme temperatures.
- Do not attempt to disassemble or repair the device yourself. Contact qualified personnel for service.
- Avoid placing heavy objects on the Mini PC.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- GMKtec Nucbox KB5 Mini PC Intel Celeron N5105 8GB RAM 128GB SSD
- Power Adapter
- User Manual

4. PRODUCT OVERVIEW

The GMKtec Mini PC is a compact and powerful micro desktop computer designed for various computing needs.



Figure 4.1: GMKtec Mini PC - Compact Design

This image shows the GMKtec Mini PC, highlighting its remarkably small and portable design, easily fitting in the palm of a hand.

4.1 Front Panel

RICH INTERFACE

Connect to Multiple Devices

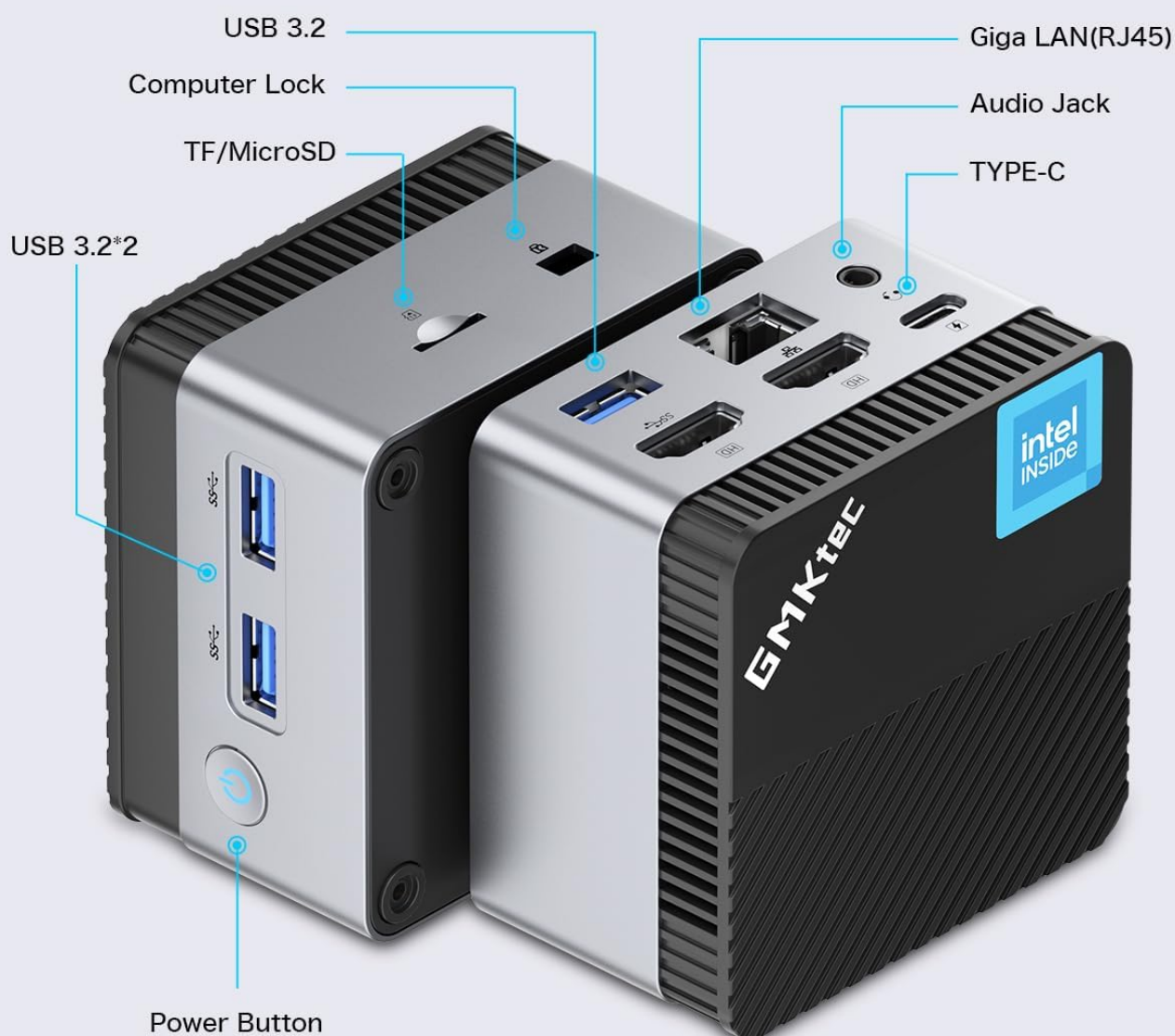


Figure 4.2: Front and Rear Interfaces

This image displays the front and rear panels of the Mini PC, detailing the various input/output ports available for connectivity.

- **Power Button:** To power on/off the device.
- **USB 3.2 Ports (x2):** For connecting USB devices such as keyboards, mice, or external storage.

4.2 Rear Panel

- **USB 3.2 Port (x1):** Additional USB port.
- **HDMI 2.0 Ports (x2):** Supports dual 4K display output at 60Hz.
- **RJ45 Gigabit Ethernet Port:** For wired network connection (up to 1000Mbps).

- **Audio Jack:** For connecting headphones or speakers.
- **Type-C Port:** For power input.
- **TF/MicroSD Card Slot:** For expandable storage up to 128GB.
- **Computer Lock Slot:** For security locking.

5. SETUP

1. **Connect to Display:** Connect your monitor(s) to the HDMI ports on the rear panel using HDMI cables. The device supports dual 4K displays.
2. **Connect Peripherals:** Plug in your USB keyboard and mouse into the available USB 3.2 ports.
3. **Network Connection:** For wired internet, connect an Ethernet cable to the RJ45 port. For wireless internet, the device supports dual-band Wi-Fi.
4. **Power On:** Connect the power adapter to the Type-C port on the rear panel, then plug the adapter into a power outlet. Press the power button on the front panel to turn on the Mini PC.
5. **Initial Setup:** Follow the on-screen instructions to complete the Windows 11 Pro operating system setup.

6. OPERATING INSTRUCTIONS

- **Power On/Off:** Press the power button to turn the device on. To turn off, click the Start menu in Windows and select "Power" > "Shut down". A short press of the power button will put the device to sleep.
- **Restart:** From the Windows Start menu, select "Power" > "Restart".
- **Connectivity:**
 - **Wi-Fi:** Connect to available Wi-Fi networks through Windows network settings.
 - **Bluetooth:** Pair Bluetooth devices (e.g., wireless mouse, keyboard) via Windows Bluetooth settings.
- **Storage Expansion:** The device supports expandable storage via a microSD card (up to 128GB) or by upgrading the M.2 SSD (up to 2TB NVMe SSD).

7. FEATURES

- **Powerful Intel 11th Gen N5105:** Equipped with an Intel N5105 10nm 4-core 4-thread processor (2.0G-2.9G, TDP 10W, 4MB L3 Smart Cache), offering enhanced performance compared to previous generation Celeron processors.
- **Memory and Storage:** Features 8GB dual-channel DDR4/LPDDR4 RAM with a maximum speed of 2933mbp/s. Includes a 128GB SATA M.2 2242/NVMe M.2 SSD.
- **High-speed Connectivity:** Integrated Bluetooth 5.2 for sensitive and fast wireless connections. Dual-band Wi-Fi (AMD RZ608 & Wi-Fi 5) with speeds up to 5Gbps and Gigabit Ethernet (RJ45 up to 1000M) for stable and fast networking.
- **Immersive 4K UHD Graphics:** Dual HDMI 2.0 ports (4096x2160@60Hz) support dual monitors for increased productivity and stunning 4K visuals.
- **Compact and Delicate Design:** Measuring 72*72*44.5mm and weighing 206g (0.45lbs), this mini PC is highly portable and space-saving.

8. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the Mini PC. Do not use liquid cleaners or aerosols.
- **Software Updates:** Regularly check for and install Windows updates to ensure system stability and security.
- **Ventilation:** Ensure the ventilation holes are not blocked to maintain optimal airflow and prevent overheating.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
No display output	Loose HDMI cable, incorrect input source on monitor, power issue.	Check HDMI connections, select correct monitor input, ensure power adapter is connected and power button is pressed.
No internet connection	Loose Ethernet cable, Wi-Fi disabled, router issue.	Check Ethernet cable, enable Wi-Fi in Windows settings, restart router.
Device is slow or unresponsive	Too many applications running, low storage space, outdated drivers.	Close unnecessary applications, free up disk space, update drivers via Device Manager.

10. SPECIFICATIONS

Feature	Detail
Processor	Intel Celeron N5105 (10nm, 4-core 4-thread, 2.0G-2.9G, TDP 10W, 4MB L3 Cache)
RAM	8 GB DDR4 (Dual Channel, up to 2933MHz)
Storage	128 GB M.2 2242 SATA SSD (Expandable to 2TB NVMe SSD)
Graphics	Intel UHD Graphics 630
Display Output	2 x HDMI 2.0 (4096x2160@60Hz), supports dual 4K displays
Wireless Connectivity	Dual-band Wi-Fi (AMD RZ608 & Wi-Fi 5), Bluetooth 5.2
Wired Connectivity	1 x RJ45 Gigabit Ethernet (1000M)
USB Ports	3 x USB 3.2
Other Ports	1 x Type-C (Power Input), 1 x Audio Jack, 1 x TF/MicroSD Card Slot, 1 x Computer Lock Slot
Operating System	OS Pro (Windows 11 Pro pre-installed)
Dimensions	72 x 72 x 44.5 mm (3.03 x 3.03 x 1.78 inches)
Weight	206g (0.45 lbs)

11. WARRANTY AND SUPPORT




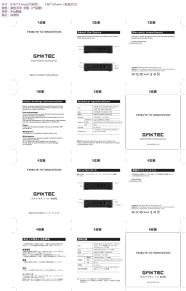


GMKtec offers a 1-year limited warranty for each Mini PC, starting from the date of purchase. This warranty covers all defects due to design and workmanship.

For professional after-sales support, you can contact the GMKtec team:

- **Email:** support@gmkttec.com
- **Amazon Support:** Login to Amazon, go to "Your Account" -> "Your Orders", and click "Ask Product Question" for the relevant order.

GMKtec aims to provide 24/7 customer support to attend to your needs.

Related Documents - KB5

	<p>GMKtec NUCBOX7/7S User Manual</p> <p>User manual for the GMKtec NUCBOX7 and NUCBOX7S mini PCs, detailing specifications, safety precautions, connection steps, and after-sales support.</p>
	<p>GMKtec NUCBOX5 Mini PC User Manual - Specifications, Safety, and Compliance</p> <p>Official user manual for the GMKtec NUCBOX5 Mini PC, detailing technical specifications, safety precautions, warranty information, and FCC compliance.</p>
	<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 NUCBOX3 User Manual: Features, Specifications, and Safety</p> <p>Comprehensive user manual for the GMKTEC NUCBOX3 mini PC, covering device features, technical specifications, safety precautions, FCC compliance, and warranty information.</p>
	<p>GMKtec NUCBOX G5 User Manual and Specifications</p> <p>This document provides a user manual, specifications, and setup guide for the GMKtec NUCBOX G5 Mini PC. It covers safety precautions, device interfaces, technical specifications, connection steps, and basic settings.</p>
	<p>GMKtec NUCBOX7/7S Mini PC User Manual - Specifications & Setup Guide</p> <p>Comprehensive user manual for GMKtec NUCBOX7 and NUCBOX7S mini PCs, covering setup, technical specifications, safety, and warranty information.</p>