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› KAMRUI GK3Plus Mini PC User Manual

## KAMRUI GK3PLUS

# KAMRUI GK3Plus Mini PC User Manual

Model: GK3PLUS

## 1. INTRODUCTION

The KAMRUI GK3Plus Mini PC is a compact and powerful desktop computer designed for various applications, from home entertainment to office productivity. Featuring the 12th Gen Alder Lake-N97 processor, this mini PC offers efficient performance, 4K triple display support, and versatile connectivity options. Its small form factor allows for flexible placement, including VESA mounting behind monitors or TVs. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your GK3Plus Mini PC. Please read it thoroughly before use.

## 2. WHAT'S IN THE BOX

Upon opening the package, verify that all the following items are included:

- 1 x N97 GK3PLUS Mini PC
- 2 x HDMI cable
- 1 x VESA Mount with Screws
- 1 x Power Adapter
- 1 x User Manual (this document)

## 3. PRODUCT OVERVIEW

### 3.1. Device Layout

The KAMRUI GK3Plus Mini PC is designed for ease of access to its various ports and features. Below are images illustrating the device from different angles, highlighting its compact size and port configuration.



The KAMRUI GK3Plus Mini PC, showcasing its compact design and the arrangement of its front and rear ports. The device is presented from two angles, highlighting its small footprint suitable for various setups.



Another view of the KAMRUI GK3Plus Mini PC, emphasizing the front panel with its power button and USB ports, and the sleek silver finish.



An angled view of the KAMRUI GK3Plus Mini PC, providing a clear look at the rear ports including HDMI, LAN, and audio jacks.

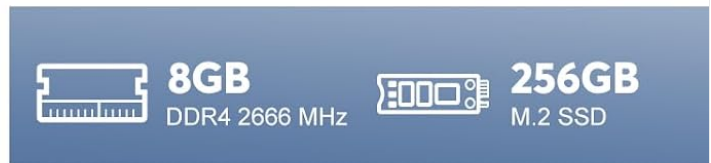
### 3.2. Key Features

The GK3Plus Mini PC integrates several advanced features for enhanced user experience:

- **Processor:** 12th Gen Alder Lake-N97 (up to 3.6GHz, 6MB cache)
- **Memory:** 8GB DDR4 RAM
- **Storage:** 256GB M.2 SSD (expandable up to 2TB with 2.5-inch SATA SSD)
- **Graphics:** Integrated UHD Graphics 1.20 GHz, supporting 4K 60Hz resolution
- **Display Output:** Dual HDMI + VGA ports for triple-screen display
- **Connectivity:** Dual-band WiFi (2.4G/5G), Gigabit Ethernet, Bluetooth 4.2
- **Operating System:** Windows 11 Pro

# GK3PLUS

Alder Lake-N97



## Additional Function

- a. Auto Power On
- b. Wake On LAN
- c. Compatible with Linux, Ubuntu

An infographic detailing the key features of the KAMRUI GK3Plus Mini PC, including the Alder Lake-N97 processor, support for 4K UHD triple display output, efficient cooling system, 8GB DDR4 RAM, 256GB M.2 SSD, WiFi 5, and Bluetooth 4.2 connectivity.

# Small but Powerful

Alder Lake - **N97**



**4 Cores 4 Threads**

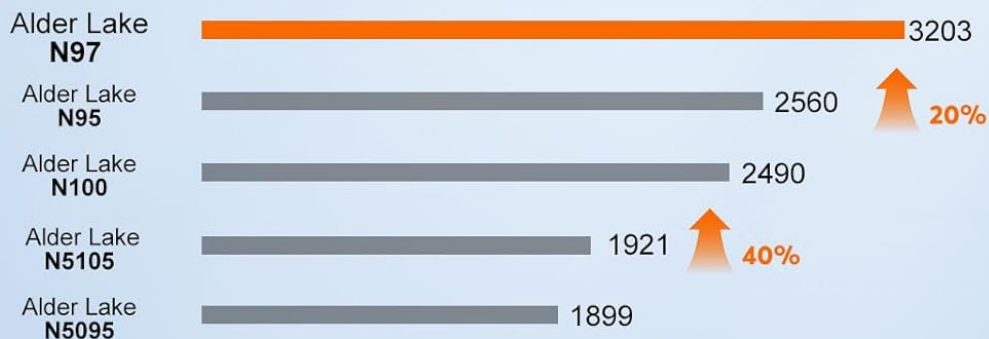
**6M** Cache

**12w** TDP

**3.6GHz**  
Burst Frequency



## PCMARK 10 PERFORMANCE CONTRAST



Testing may vary due to environmental changes

A performance comparison chart illustrating the PCMARK 10 scores of the Alder Lake-N97 processor in the GK3Plus against other Alder Lake processors (N95, N100, N5105, N5095), demonstrating its relative performance advantage.

# Expand Infinite Possibilities

Rich interfaces, compatible with various devices



Keyboard



Mouse



Printer



USB



TV



NAS



Projector



Monitor



USB3.0 x2



USB2.0 x2



DC Power



MIC



2x HDMI 2.0



VGA



RJ45  
Ethernet Port

An illustration of the KAMRUI GK3Plus Mini PC's various input/output ports and a selection of compatible devices such as keyboards, mice, printers, USB drives, TVs, NAS devices, projectors, and monitors, emphasizing its versatile connectivity.

# Powerful Network Connection



Bluetooth 4.2



WiFi5



An image emphasizing the wireless connectivity options of the KAMRUI GK3Plus Mini PC, specifically WiFi 5 (2.4G/5G dual-band) and Bluetooth 4.2, indicating robust network and peripheral connections.

## 4. SETUP GUIDE

Follow these steps to set up your KAMRUI GK3Plus Mini PC:

1. **Connect to Display:** Use an HDMI cable to connect the Mini PC to your monitor or TV. The GK3Plus supports up to three displays via its dual HDMI and single VGA ports.
2. **Connect Peripherals:** Plug in your keyboard, mouse, and any other USB devices into the available USB 2.0 or USB 3.0 ports.
3. **Network Connection:** For wired internet, connect an Ethernet cable to the LAN port. For wireless

internet, the device supports dual-band WiFi (2.4G/5G).

4. **Power On:** Connect the power adapter to the DC-in port on the Mini PC, then plug the adapter into a power outlet. Press the power button on the front of the device to turn it on.
5. **Initial Setup:** Follow the on-screen instructions to complete the Windows 11 Pro initial setup, including language, region, network settings, and user account creation.

## 5. OPERATING INSTRUCTIONS

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### 5.1. Basic Operation

- **Power On/Off:** Press the power button to turn the PC on. To turn off, use the Windows Shut Down option or press and hold the power button for a few seconds.
- **Restart:** Use the Windows Restart option for a proper system reboot.
- **Sleep Mode:** The PC can enter sleep mode to save power. Wake it by moving the mouse or pressing a key on the keyboard.

### 5.2. Triple Display Setup

The GK3Plus supports connecting up to three displays simultaneously for extended desktop or mirrored display configurations. Connect your monitors to the available HDMI and VGA ports. Windows display settings can be accessed by right-clicking on the desktop and selecting "Display settings" to configure your preferred display arrangement.

### 5.3. Storage Expansion

The Mini PC comes with a 256GB M.2 SSD. For additional storage, a 2.5-inch SATA SSD (not included) can be installed. The device supports up to 2TB for both M.2 NVMe PCIe or SATA SSD and 2.5-inch SATA SSD.

# Expandable Storage Space



## 8GB DDR4

Supports 2666MT/s data transfer rates



## 256GB M.2 SSD

Add a 2.5" SATA SSD(Not included), max 2TB

Add M.2 2280 NVMe PCIe or SATA SSD, max 2TB



An internal view of the KAMRUI GK3Plus Mini PC, illustrating the 8GB DDR4 RAM module and the 256GB M.2 SSD, along with an open bay for an additional 2.5-inch SATA SSD, demonstrating its storage expansion capabilities.

## 6. MAINTENANCE

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

- **Keep Clean:** Regularly clean the exterior of the PC with a soft, dry cloth. Ensure ventilation openings are free from dust and obstructions.
- **Ventilation:** Do not block the air vents. The GK3Plus features a built-in fan for efficient cooling, maintaining proper airflow is crucial to prevent overheating.
- **Software Updates:** Keep your Windows operating system and drivers updated to ensure system stability

and security.

- **Environmental Conditions:** Operate the PC in a well-ventilated area, away from direct sunlight, heat sources, and excessive moisture.

## Silent, Efficient Heat Dissipation

GK3PLUS New Upgrade  
Built-in cooling fan higher heat dissipation



A diagram showing the internal cooling system of the KAMRUI GK3Plus Mini PC, highlighting the built-in fan and heat dissipation design. A bar chart indicates the low noise level of the mini PC (38dB) compared to other common sound sources.

## 7. TROUBLESHOOTING

If you encounter issues with your KAMRUI GK3Plus Mini PC, refer to the following common problems and solutions:

- **No Power:**

- Ensure the power adapter is securely connected to both the PC and a working power outlet.
- Verify the power outlet is functional by testing it with another device.

- **No Display:**

- Check that the HDMI/VGA 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 (HDMI 1, HDMI 2, VGA).
- Try a different display cable or monitor if available.

- **No Internet Connection:**

- For wired connection, check the Ethernet cable and router status.
- For Wi-Fi, ensure Wi-Fi is enabled in Windows settings and you are connected to the correct network with the correct password.
- Restart your router and the Mini PC.

- **Slow Performance:**

- Close unnecessary applications running in the background.
- Check for sufficient free storage space on the SSD.
- Ensure the PC is well-ventilated and not overheating.
- Run a system scan for malware or viruses.

If problems persist, please contact KAMRUI customer support for further assistance.

## 8. SPECIFICATIONS

| Feature               | Detail                                                                 |
|-----------------------|------------------------------------------------------------------------|
| Brand                 | KAMRUI                                                                 |
| Model Number          | GK3PLUS                                                                |
| Operating System      | Windows 11 Pro                                                         |
| Processor             | 12th Gen Alder Lake-N97 (up to 3.6 GHz, 4 Cores, 4 Threads, 6MB Cache) |
| RAM                   | 8GB DDR4 SDRAM                                                         |
| Memory Speed          | 3.6 GHz                                                                |
| Hard Drive            | 256GB M.2 SSD (Solid State)                                            |
| Graphics Coprocessor  | UHD Graphics 1.20 GHz (Integrated)                                     |
| Max Screen Resolution | 4096x2160 Pixels (4K)                                                  |
| Wireless Type         | 2.4 GHz / 5 GHz Radio Frequency (WiFi 5), Bluetooth 4.2                |
| USB Ports             | 2x USB 2.0, 2x USB 3.0                                                 |
| Video Output          | 2x HDMI 2.0, 1x VGA                                                    |
| LAN Port              | Gigabit Ethernet                                                       |
| Item Weight           | 13.1 ounces (approx. 371g)                                             |

|            |                                                           |
|------------|-----------------------------------------------------------|
| Dimensions | 5.1 x 5.1 x 1.96 inches (approx. 12.95 x 12.95 x 4.98 cm) |
|------------|-----------------------------------------------------------|

## 9. WARRANTY AND SUPPORT

KAMRUI provides a **2-year warranty** for the GK3Plus Mini PC, covering manufacturing defects and hardware malfunctions under normal use. Additionally, lifetime technical support is available to assist you with any questions or issues you may encounter.

For technical assistance, warranty claims, or general inquiries, please contact KAMRUI support through the official channels provided at the time of purchase or on the KAMRUI website.