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## TRIGKEY Key R8 8745HS

# TRIGKEY Key R8 Mini PC User Manual

Model: Key R8 8745HS

## 1. INTRODUCTION

This manual provides instructions for the setup, operation, and maintenance of your TRIGKEY Key R8 Mini PC. Please read this manual thoroughly before using the device.



Image 1.1: Front view of the TRIGKEY Key R8 Mini PC.

## 2. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x TRIGKEY Key R8 Mini PC (8745HS model)
- 1 x User Manual
- 1 x HDMI Cable (100CM)
- 1 x Power Adapter (19V/5.26A)

### 3. PRODUCT OVERVIEW: PORTS AND COMPONENTS

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The TRIGKEY Key R8 Mini PC features a variety of ports and components for connectivity and expansion. Refer to the diagram below for a visual guide.



Image 3.1: Detailed port layout of the Mini PC.

#### Front Panel Ports:

- **USB4 Port (40Gbps/TBT3/PD/DP1.4):** 1 port. Supports high-speed data transfer, power delivery, and DisplayPort 1.4 video output.
- **Type-C USB3.2 Port (10Gbps):** 1 port.
- **3.5mm Audio Jack:** For headphones or speakers.
- **Power Button:** To turn the device on/off.

#### Rear Panel Ports:

- **LAN Port (2.5G):** 1 port. For wired network connection.
- **USB3.2 Ports (10Gbps):** 2 ports.
- **USB2.0 Port (480Mbps):** 1 port.
- **HDMI 2.1 Port (4K 120Hz):** 1 port. For video output.
- **DP1.4 Port (4K 144Hz):** 1 port. For video output.
- **3.5mm Audio Jack:** For headphones or speakers.
- **DC IN (Pogopin):** For power adapter connection.

### 4. SETUP INSTRUCTIONS

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1. **Connect to a Display:** Connect your monitor(s) to the Mini PC using the HDMI, DisplayPort, or USB4 ports. The device supports up to three 4K displays simultaneously.
2. **Connect Peripherals:** Connect your keyboard, mouse, and other USB devices to the available USB ports.
3. **Connect to Network:** For a wired connection, connect an Ethernet cable to the 2.5G LAN port. For wireless, the device supports WiFi 6.
4. **Connect Power:** Plug the power adapter into the DC IN port on the rear panel, then plug the adapter into a power outlet.

5. **Power On:** Press the power button on the front panel to start the Mini PC.

## Full-featured USB4 Port

When applying the USB4 port for power supply, please use a 100W PD power adapter with over-current protection (OCP) value of at least 6.32A



**40Gbps**

High speed data transfer

**PD**

PD power delivery

**DP1.4**

DisplayPort Alt

Image 4.1: Connecting the 2.5G Ethernet cable.

## 5. OPERATING SYSTEM

The TRIGKEY Key R8 Mini PC comes with an operating system pre-installed. Follow the on-screen instructions for initial setup. The device supports features such as Wake On LAN and Auto Power On, which can be configured in the BIOS settings.

## 6. MEMORY AND STORAGE EXPANSION

The Mini PC is equipped with 32GB LPDDR5 5600MHz RAM (dual-channel, 2x16GB) and supports expansion up to 256GB (128GB\*2). It also includes a 1TB M.2 PCIe 4.0 SSD and features dual SSD slots, supporting up to 4TB\*2 for a total of 8TB storage.



Image 6.1: Illustration of DDR5 5600MHz memory modules.



Image 6.2: Illustration of dual M.2 PCIe 4.0 SSD slots.

For detailed instructions on upgrading RAM or SSD, refer to the official TRIGKEY support resources or consult a qualified technician.

## 7. DISPLAY CONFIGURATION

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The Mini PC supports triple display output via its HDMI2.1, DisplayPort1.4, and USB4 ports. Each port can support up to 4K resolution at 144Hz (DP1.4) or 120Hz (HDMI2.1). This allows for an extended desktop environment across multiple screens.

# Content Creation Made Easier

## Dual Audio Jacks

Front and rear audio jacks ensure clean cable management. When both jacks are used, the front one takes priority, and the rear one automatically stops audio output.

Front



Rear



Image 7.1: Example of triple display setup with the Mini PC.

## 8. NETWORK AND WIRELESS CONNECTIVITY

The device features a 2.5G LAN port for high-speed wired internet. For wireless connectivity, it includes dual-band WiFi 6, offering transmission speeds up to 2.4Gbps. Bluetooth 5.2 is also integrated for connecting wireless peripherals.



Image 8.1: WiFi 6 connectivity diagram.



Image 8.2: Bluetooth 5.2 connectivity diagram.

## 9. AUDIO CONFIGURATION

The Mini PC features dual 3.5mm audio jacks, one on the front and one on the rear. If both jacks are used simultaneously, the front jack takes priority, and the rear jack's audio output will be automatically disabled.

## 10. MAINTENANCE

- Keep the device in a clean, dry environment away from direct sunlight and heat sources.
- Ensure proper ventilation by not blocking the air vents.
- Clean the exterior with a soft, dry cloth. Do not use liquid cleaners.
- Regularly back up important data.
- Keep the operating system and drivers updated.

## 11. TROUBLESHOOTING

Issue	Possible Cause	Solution
No power	Power adapter not connected or faulty.	Ensure power adapter is securely connected to the device and a working power outlet. Test with another outlet if possible.
No display	Monitor not connected, incorrect input selected, or faulty cable.	Check display cable connections. Ensure the correct input source is selected on your monitor. Try a different cable or port.



Issue	Possible Cause	Solution
No internet connection (wired)	Ethernet cable disconnected or network issue.	Verify Ethernet cable is securely connected. Check router/modem status. Restart network devices.
No internet connection (wireless)	WiFi disabled, incorrect password, or signal issue.	Ensure WiFi is enabled in the operating system. Verify WiFi password. Move closer to the router or check for interference.
Slow performance	Too many applications running, insufficient RAM, or storage nearly full.	Close unnecessary applications. Check system resources. Consider upgrading RAM or SSD if consistently slow.

## 12. SPECIFICATIONS

Feature	Detail
Processor	AMD Ryzen 7 8745HS (8 Cores, 16 Threads, up to 4.9GHz, 16MB L3 Cache)
Graphics	Integrated AMD Radeon 780M (12 Cores, 2600MHz)
RAM	32GB LPDDR5 5600MHz (Dual-channel, 2x16GB), expandable up to 256GB
Storage	1TB M.2 PCIe 4.0 SSD, dual M.2 slots, expandable up to 8TB (4TB*2)
Video Output	1x HDMI 2.1 (4K 120Hz), 1x DP 1.4 (4K 144Hz), 1x USB4 (4K 144Hz) - Triple Display Support
USB Ports	1x USB4 (40Gbps/TBT3/PD/DP1.4), 1x Type-C USB3.2 (10Gbps), 2x USB3.2 (10Gbps), 1x USB2.0 (480Mbps)
Network	1x 2.5G LAN Port, WiFi 6, Bluetooth 5.2
Audio	2x 3.5mm Audio Jacks (Realtek ALC897)
Power Input	DC IN (Pogopin) 19V/5.26A
Operating System	Pre-installed OS (as per product configuration)
Dimensions	12 x 12 x 8 cm (approximate parcel dimensions)
Weight	1 kg (approximate parcel weight)

## 13. WARRANTY AND SUPPORT

The TRIGKEY Key R8 Mini PC comes with a one-year warranty. For technical support or warranty claims, please contact TRIGKEY customer service.

- **Email Support:** [support@trigkey.com](mailto:support@trigkey.com)
- **Phone Support:** +86 18138216795
- **Manufacturer:** Shenzhen AZW Technology Co., Ltd,



Image 13.1: TRIGKEY customer support team.



**Related Documents - Key R8 8745HS**

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	<p><a href="#">TRIGKEY Green G5 Mini PC User Manual</a></p> <p>User manual for the TRIGKEY Green G5 Mini PC featuring Intel 12th Gen Alder Lake-N100 CPU, 16GB DDR5 RAM, 500GB NVMe SSD, Dual 2.5G LAN, Wi-Fi 6, and Bluetooth 5.2.</p>
	<p><a href="#">TRIGKEY G2 GREEN Mini PC User Manual - Setup, Operation, and Support</a></p> <p>Comprehensive user manual for the TRIGKEY G2 GREEN Mini PC, covering basic operation, VESA mount installation, component installation (RAM, SSD), connection steps, audio device configuration, troubleshooting, and after-service information.</p>
	<p><a href="#">TRIGKEY S3 USB Flash Drive User Manual - 2A4J2-S3</a></p> <p>Official user manual for the TRIGKEY S3 USB flash drive (model 2A4J2-S3) by ShenZhen AZW Technology CO.,LTD. Provides product details and usage information.</p>
	<p><a href="#">FIREBAT Ryzen7 Laptop User Guide - Setup, Features, and Troubleshooting</a></p> <p>Comprehensive user guide for the FIREBAT Ryzen7 laptop, covering setup, power management, connectivity, troubleshooting, maintenance, and warranty information.</p>



### [GEEKOM A8-R7 Mini PC User Manual](#)

User manual for the GEEKOM A8-R7 Mini PC, detailing package contents, technical specifications for Bluetooth and Wi-Fi, warranty information, declaration of conformity, and customer privacy policies.