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TRIGKEY KEY N

TRIGKEY Key-N Mini PC User Manual

Model: KEY N

1. INTRODUCTION

Thank you for choosing the TRIGKEY Key-N Mini PC. This compact and powerful computer is designed for various tasks, from daily work to entertainment, featuring an Intel Alder Lake-N95 processor, 16GB DDR4 RAM, and a 500GB SSD. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your device to ensure optimal performance.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- 1 x TRIGKEY Key-N Mini PC
- 1 x Power Adapter
- 1 x HDMI Cable
- 1 x User Manual (this document)
- 1 x Wall Mount

3. PRODUCT OVERVIEW

The TRIGKEY Key-N Mini PC offers a range of interfaces for versatile connectivity and efficient performance. Familiarize yourself with the available ports and features.

Stable Performance, Efficient Office Work

The Key N mini PC will effortlessly run applications designed for office work business workflows, music playback and media streaming.



Image: Front and rear view of the TRIGKEY Key-N Mini PC, highlighting its rich interfaces including USB 3.2, LAN, 3.5mm Audio Jack, HDMI, and USB 2.0 ports.

Front Panel: Power Button, USB 3.2 (10Gbps) x 3, 3.5mm Audio Jack x 1, Power Indicator Light.

Rear Panel: AC Jack x 1, LAN 1000Mbps x 1, HDMI (Max 4K 60Hz) x 2, USB 2.0 (480Mbps) x 3, CLR CMOS button.

4. SETUP INSTRUCTIONS

4.1 Initial Connection

- Connect Display:** Connect your monitor(s) to the HDMI ports on the rear panel using the provided HDMI cable. The device supports dual 4K 60Hz displays.
- Connect Peripherals:** Plug in your keyboard and mouse to the available USB ports.
- Connect Network:** For a wired connection, connect an Ethernet cable to the 1000M LAN port. For wireless, the device supports WiFi 5.
- Connect Power:** Plug the power adapter into the AC Jack on the rear panel and then into a power outlet.

4.2 Powering On

Press the Power Button on the front panel. The power indicator light will illuminate, and the system will begin to boot up.

4.3 Dual Screen Display Setup

The TRIGKEY Key-N Mini PC supports dual 4K displays, enhancing productivity by allowing you to extend your desktop across two screens. Once both monitors are connected via HDMI, Windows 11 Pro should automatically detect and configure them. If not, navigate to Display Settings in Windows to arrange and extend your displays.

Video: Demonstrates how to set up and utilize the dual-screen display feature of the TRIGKEY Mini PC, showing two monitors connected and functioning simultaneously.

5. OPERATING YOUR MINI PC

5.1 Basic Operation

- **Power On/Off:** Press the power button to turn on. To turn off, use the Windows Shut Down option or press and hold the power button for 5 seconds.
- **Restart:** Use the Windows Restart option for a proper system reboot.

5.2 Network Connectivity

The Mini PC supports both wired (1000M LAN) and wireless (WiFi 5) network connections. For wireless, ensure your router is broadcasting a WiFi 5 signal for optimal performance. Bluetooth 5.0 allows for easy connection to compatible devices like headphones or speakers.

Built-in 45W PSU

The Key N features a built-in PSU, so it only needs one power cord for power supply, allowing you to have a neat and tidy desktop without external adapter taking up your precious workspace.



Image: Illustrates the built-in wireless module, highlighting WiFi 5 and Bluetooth 5.0 capabilities for reliable networking.

5.3 Efficient Performance

The Intel Alder Lake-N95 processor provides stable performance for everyday tasks, office work, media streaming, and light entertainment. Its compact design makes it suitable for various environments.

CPU Temperature/Noise Test

Temperature/Noise Data During Software Operation

Office Work	4K Video Playback	Media Streaming
Temperature: 76-79°C	Temperature: 78-81°C	Temperature: 79-83°C
Video En- and Decoding	Web Browsing	Sleep Mode
Temperature: 78-81°C	Temperature: 76-79°C	Temperature: 71-77°C
Noise: 29-32dB	Noise: 35-38dB	Noise: 38-41dB
Noise: 37-39dB	Noise: 27-31dB	Noise: 23-28dB

Test data is for reference only, and the actual performance may fluctuate due to environmental changes.

Test Configurations: Key N: CPU - Intel Alder Lake N95 processor, Memory - 16GB DDR4 3200MHz, SSD 500GB, 1080p, 30°C ambient temperature.

Image: Shows the Key-N Mini PC in an office setting, demonstrating its stable performance for applications like Word, Excel, and PowerPoint.

6. MAINTENANCE AND UPGRADES

The TRIGKEY Key-N Mini PC is designed for easy upgrades to enhance its storage and memory capabilities.

6.1 Upgrading RAM

The Mini PC is equipped with 16GB DDR4 3200MHz RAM. You can upgrade or replace the RAM module by following these steps:

1. Power off the device and disconnect all cables.
2. Unscrew the four screws at the bottom of the Mini PC.
3. Carefully lift the back panel from the side to expose the internal components.
4. Locate the SO-DIMM DDR4 slot. Gently push the clips outward to release the existing RAM module, then lift it out.
5. Align the notch of the new RAM module with the slot and insert it firmly at an angle. Push down until the

clips snap into place.

6. Reinstall the back panel and secure it with the screws.

Video: A step-by-step tutorial on how to install or upgrade RAM in your TRIGKEY Mini PC.

6.2 Upgrading Storage

The Mini PC comes with a single M.2 SATA 500GB SSD and supports dual M.2 2280 PCIe SSDs. You can expand the internal storage up to 4TB with two SSDs (one M.2 SATA III and one PCIe 3.0 NVMe, not included).

1. Follow steps 1-3 from the RAM upgrade section to open the device.
2. Locate the M.2 SSD slots. If adding a 2.5-inch SATA drive, align the slot and insert the SSD into the designated bay on the back panel.
3. Secure the SSD with the provided screws.
4. Reinstall the back panel and secure it with the screws.

Built-In Wireless Module Ensures Reliable Networking

WiFi 5 and Bluetooth 5.0 allow for easy connections freeing you from the constraints of cables while eliminating delays and disconnections.



Bluetooth 5.0



WiFi5

Image: Internal view of the Mini PC, illustrating the SO-DIMM DDR4 slot and dual M.2 2280 PCIe SSD slots for storage expansion.

Video: A detailed guide on how to install an additional HDD or SSD into your TRIGKEY Mini PC.

6.3 General Cleaning

To maintain optimal performance, regularly clean the exterior of the Mini PC with a soft, dry cloth. Ensure ventilation openings are free from dust and obstructions. Do not use liquid cleaners directly on the device.

7. TROUBLESHOOTING

If you encounter issues with your TRIGKEY Key-N Mini PC, please 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. Check the power indicator light.
- **No Display:** Verify that the HDMI cables are firmly connected to both the Mini PC and the monitor(s). Try using a different HDMI port or cable. Ensure the monitor is set to the correct input source.
- **Network Connectivity Issues:** For wired connections, check the Ethernet cable and router status. For wireless, ensure WiFi is enabled in Windows settings and you are connected to the correct network.
- **Slow Performance:** Close unnecessary applications, check for background processes, and ensure your system is up to date. Consider upgrading RAM or storage if performance issues persist.
- **System Freezes/Crashes:** Perform a system restart. If issues continue, check for driver updates or perform a system restore.

For more complex issues, please contact TRIGKEY customer support.

8. SPECIFICATIONS

Below are the detailed technical specifications for the TRIGKEY Key-N Mini PC:

Product Specification

Dimension	120*120*37mm(Without Rubber Feet)	Wireless Network	WiFi 5
Color	Black		Bluetooth 5.0
CPU	Intel Alder Lake N95 Processor, Max Turbo Frequency 3.4GHz (4C/4T) 6MB Cache Max Turbo	Power LED	1
		Power Button	1
Graphics	Intel® UHD Graphics	Built-in Power Supply	Input: 100-240V~, 50/60Hz,1.5A
System Disk	M.2 2280 PCIe x4 /SATA SSD 2280		Output: 12V 3.75A
Storage Disk	SSD M.2 2280 PCIe x1	Operating Environment	-10°C~45°C, Humidity 30%-85%
Internal Slot	SO-DIMM DDR4 3200MHz Slot*1	Storage Environment	-20°C~60°C, Humidity 10%-90%
Interface	AC Jack*1	Accessories	HDMI 100cm
	USB3.2(10Gbps)*3		AC Cable
	LAN 1000Mbps*1		User Manual
	3.5mm Audio Jack*1	Additional Functions	WOL
	HDMI (Max 4K 60Hz) *2		Auto Power On
	USB2.0 480Mbps*3		

Image: A comprehensive table detailing the product specifications of the TRIGKEY Key-N Mini PC, including dimensions, CPU, RAM, storage, and interfaces.

Feature	Specification
Processor	Intel Alder Lake N95 (4C/4T, up to 3.4GHz, 6M cache)
RAM	16GB DDR4 3200MHz (SO-DIMM)
Storage	500GB M.2 SATA SSD (expandable with another PCIe 3.0 NVMe SSD)
Graphics	Intel UHD Graphics
Video Output	2 x HDMI (Max 4K 60Hz)
Wireless Connectivity	WiFi 5, Bluetooth 5.0
Wired Connectivity	1 x 1000M LAN
USB Ports	3 x USB 3.2 (10Gbps), 3 x USB 2.0 (480Mbps)
Audio	1 x 3.5mm Audio Jack

Operating System	Windows 11 Pro
Dimensions	120 x 120 x 37mm (Without Rubber Feet)
Weight	Approximately 1.85 pounds

9. WARRANTY AND SUPPORT

TRIGKEY is committed to providing excellent customer service and support for your Mini PC.

9.1 Warranty Information

Your TRIGKEY Key-N Mini PC comes with a **one-year warranty** from the date of purchase. This warranty covers manufacturing defects and ensures replacement availability within 12 months.

9.2 Customer Support

We offer **7x24-hour one-on-one customer support** and **lifetime technical support**. If you have any questions, encounter problems, or require assistance, please do not hesitate to contact us.



Image: Visual representation of TRIGKEY's service commitments: 24-hour quick reply, 30-day return policy, 12-month replacement, and lifetime technical support.

9.3 Contact Us

You can reach our support team through various channels. Please refer to the contact information provided with your product or visit the official TRIGKEY website for assistance.



Image: Various platforms and methods to contact TRIGKEY support, including social media, email, and technical support channels.

Video: A short promotional video highlighting TRIGKEY's commitment to customer service and support for their products.

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