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TRIGKEY KEY N150

TRIGKEY Key-N150 Mini PC User Manual

Model: Key-N150

1. INTRODUCTION

The TRIGKEY Key-N150 Mini PC is a compact and efficient computer designed for various tasks, from office work to media entertainment. It features an Intel Twin Lake N150 processor, 16GB DDR4 RAM, and a 500GB M.2 PCIeX4 SSD, offering reliable performance in a small form factor. This manual provides essential information for setting up, operating, and maintaining your Mini PC.

Intel® Twin Lake N150 processor

3.6 GHz

Max Turbo Frequency

4 Cores

Number of Cores
Intel Graphics with 24EUs 1000MHz

4 Threads

Lithography Technology: Intel 7
6MB L3 Intelligent High-Speed Cache

GPU

Intel® Graphics 24EUs 1000MHz



Image 1.1: Front view of the TRIGKEY Key-N150 Mini PC.

2. PACKAGE CONTENTS

Please check the package for the following items:

- TRIGKEY Key-N150 Mini PC
- User Manual
- HDMI Cable (1m)
- AC Power Cable (Optional: US/EU/UK/JP/AU)



3. PRODUCT OVERVIEW

The Key-N150 Mini PC is equipped with a variety of ports and internal components to support its functionality.

3.1 Front and Rear Panel Interfaces



Image 3.1: Front panel of the Mini PC, showing USB ports and audio jack.



Image 3.2: Rear panel of the Mini PC, showing AC power, USB, LAN, and HDMI ports.

The Mini PC features:

- **Front:** 3.5mm Audio Jack, USB 2.0, USB 3.2 (10Gbps), Power Button, Power Indicator Light.

- **Rear:** AC Power Input, USB 3.2 (10Gbps) x2, LAN (1000M) x2, HDMI x2.

3.2 Internal Components



Image 3.3: Exploded view showing the internal components of the Mini PC, including the CPU, fan, RAM, and SSD slots.

Key internal features include:

- **Processor:** Intel Twin Lake N150 (4 Cores/4 Threads, up to 3.60GHz).
- **Graphics:** Intel UHD Graphics (24EUs, 1000MHz).
- **Memory:** 16GB DDR4 3200MHz SO-DIMM (single channel, expandable).
- **Storage:** 500GB M.2 PCIeX4 SSD (supports dual M.2 2280 SSDs, up to 2TB expansion).
- **Wireless Connectivity:** WiFi 5 and Bluetooth 5.0.
- **Power Supply:** Built-in 45W PSU.



Image 3.4: Details of the Intel Twin Lake N150 processor, highlighting its 3.6 GHz max turbo frequency, 4 cores, and 4 threads.

16G DDR4 RAM + Dual M.2 2280 SSD



Image 3.5: Illustration of the 16GB DDR4 SO-DIMM RAM and the dual M.2 2280 SSD slots for storage expansion.

4. SETUP INSTRUCTIONS

Follow these steps to set up your TRIGKEY Key-N150 Mini PC:

1. **Connect to a Display:** Use an HDMI cable to connect the Mini PC to your monitor or TV. The device supports dual HDMI output for multiple displays.
2. **Connect Peripherals:** Plug in your USB keyboard and mouse into the available USB ports.
3. **Connect to Network:** For a wired connection, connect an Ethernet cable to one of the two LAN ports. For wireless, ensure your WiFi network is available during initial setup.
4. **Power On:** Connect the AC power cable to the Mini PC and then to a power outlet. Press the power button on the front panel.
5. **Initial Boot:** The Mini PC will boot up. Follow the on-screen instructions to complete the operating system setup (if not pre-configured).

Your browser does not support the video tag.

Video 4.1: An overview of the TRIGKEY Key-N150 Mini PC, demonstrating its features and connectivity options. This video provides a visual guide to the product's design and capabilities.

5. OPERATING INSTRUCTIONS

5.1 Basic Operation

Once set up, your Mini PC functions like a standard desktop computer. You can perform tasks such as web browsing, media playback, and office applications.

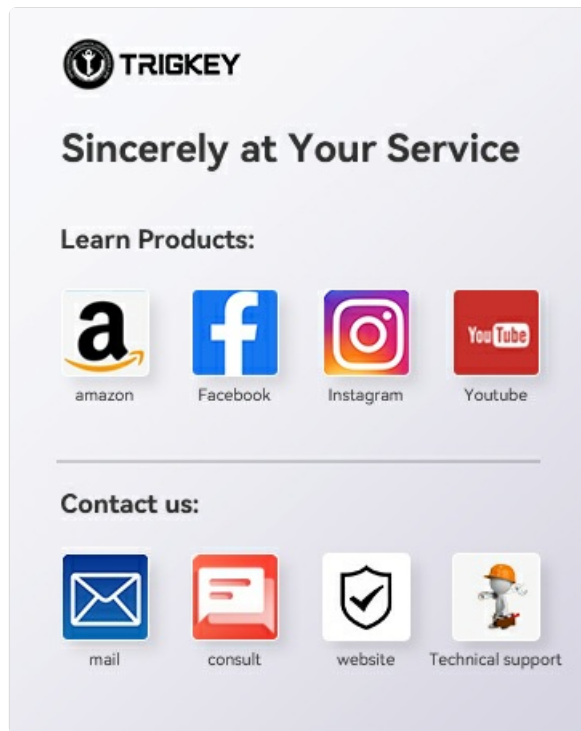


Image 5.1: The Mini PC supports various applications including web browsing, media entertainment, office work, and 4K video playback.

5.2 Dual Display Setup

The Mini PC supports connecting two monitors via its dual HDMI ports. To configure dual displays:

1. Connect both monitors to the HDMI ports on the rear of the Mini PC.
2. Power on the Mini PC and both monitors.
3. The operating system should automatically detect both displays. You can adjust display settings (extend, duplicate, primary display) through your OS display settings.

5.3 Intel Unison App

The Intel Unison App allows seamless connection between your Mini PC and mobile devices. This enables features such as:

- Viewing photo galleries from your PC.
- Extending your PC screen with a tablet.
- Making and receiving phone calls from your PC.
- Transferring files between phone/tablet and PC.
- Sending and receiving text messages from your PC.
- Managing device notifications from a single source.

Trigkey Mini PC Dual/Triple Display



Image 5.2: The Intel Unison App facilitates seamless connectivity and data transfer between your Mini PC and mobile devices.

6. MAINTENANCE

To ensure the longevity and optimal performance of your Mini PC, consider the following maintenance tips:

- **Keep it Clean:** Regularly clean the exterior of the Mini PC with a soft, dry cloth. Ensure ventilation holes are free from dust and obstructions to maintain efficient cooling.
- **Software Updates:** Keep your operating system and drivers updated to the latest versions for security and performance improvements.
- **Proper Shutdown:** Always shut down the Mini PC properly through the operating system to prevent data corruption.
- **Environmental Conditions:** Operate the Mini PC in a well-ventilated area, away from direct sunlight, excessive heat, and moisture.

Intel Twin Lake N150 Processor 4C/4T, Up to 3.6GHz, 6MB Cache Max Turbo 	Intel Graphics 24EUs 1000MHz 	Faster and more stable 
Quiet cooling fan Efficient Cooling 	500G M.2 SATA SSD Max 2TB 	Dual-screen 4K Display 2*HDMI (max 4K@60Hz) 
16G DDR4 Single-channel, max 16G 3200MHz 	Built-in 45W Power Supply Unit 45W 	

Image 6.1: The Mini PC features an efficient cooling system to ensure stable operation and heat dissipation.

7. TROUBLESHOOTING

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

- **No Power:** Ensure the AC power cable is securely connected to both the Mini PC and the power outlet. Try a different power outlet.
- **No Display:** Check that the HDMI cable is firmly connected to both the Mini PC and the monitor. Verify the monitor is powered on and set to the correct input source. Try a different HDMI cable or monitor if possible.
- **No Internet Connection:** For wired connections, check the Ethernet cable and router status. For wireless, ensure Wi-Fi is enabled in the operating system and you are connected to the correct network with the correct password.
- **Peripherals Not Working:** Ensure USB devices are properly plugged into the USB ports. Try different USB ports or restart the Mini PC.
- **System Slowdown:** Close unnecessary applications. Check for background processes consuming high resources. Ensure sufficient free storage space.
- **Unexpected Shutdowns:** Ensure the Mini PC is in a well-ventilated area and not overheating. Check for any recent software or driver installations that might be causing instability.

If problems persist, consult the TRIGKEY support resources mentioned in the Warranty and Support section.

8. SPECIFICATIONS

Feature	Detail
Brand	TRIGKEY
Model Number	KEY N150
CPU Model	Intel Twin Lake N150 (Celeron)
CPU Speed	Up to 3.6 GHz
Processor Count	4
Graphics Coprocessor	Intel UHD Graphics
RAM Memory Installed	16 GB DDR4 SDRAM
Memory Speed	3200 MHz
Memory Slots Available	1
Memory Storage Capacity	500 GB
Hard Disk Description	500GB M.2 PCIeX4 SSD
Operating System	OS (Pre-installed)
Connectivity Technology	Bluetooth, Ethernet, HDMI, Wi-Fi
Wireless Compatibility	802.11ac (Wi-Fi 5), Bluetooth 5.0
Total USB Ports	3 (USB 3.2 x2, USB 2.0 x1)
Total Number of HDMI Ports	2
Display Resolution Maximum	3840x2160 (4K)
Cooling Method	Passive (with fan for efficient heat dissipation)
Power Plug Type	Type A - 2 pin (North American)
Color	Grey

9. WARRANTY AND SUPPORT

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

- **Quick Reply:** Support inquiries receive a reply within 24 hours.
- **Return Policy:** 30-day return policy.
- **Replacement:** Replacement available within 12 months of purchase.
- **Lifetime Support:** Lifetime after-sales service and technical support.



Image 9.1: TRIGKEY's commitment to customer service, including response times, return policy, replacement period, and lifetime technical support.

Contact Us

For further assistance, technical support, or warranty claims, please use the following channels:

- **Email:** Refer to your product packaging or the official TRIGKEY website for email contact information.
- **Website:** Visit the official TRIGKEY website for FAQs, drivers, and support resources.
- **Online Consultation:** Check the TRIGKEY store page for online chat or consultation options.



Image 9.2: Various contact methods for TRIGKEY customer service and technical support.