TRIGKEY KEY N100 16+500G

TRIGKEY Mini PC User Manual

Model: KEY N100 16+500G

INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your TRIGKEY Mini PC, Model KEY N100. Please read this manual thoroughly before using the device to ensure proper functionality and to prevent damage.

Image: Front view of the TRIGKEY Mini PC, showcasing its compact design, USB ports, and power button.

SAFETY INFORMATION

- Ensure the Mini PC is placed on a stable, flat surface with adequate ventilation. Do not block ventilation openings.

- Use only the power adapter provided with the device. Using an incorrect adapter may cause damage or fire.

- Keep the device away from water, moisture, and extreme temperatures.

- Avoid dropping or subjecting the device to strong impacts.

- Do not attempt to open or repair the device yourself. Refer to qualified service personnel for any repairs.

- Unplug the power cable during lightning storms or when unused for extended periods.

PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x TRIGKEY Mini PC
- 1 x User Manual
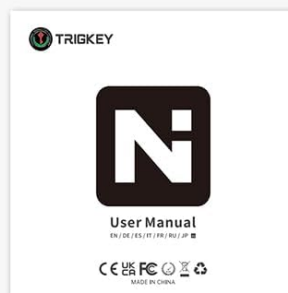- 1 x HDMI Cable (100cm)
- 1 x AC Power Cable

Accessories

1.AC Cable*1
(Optional: US/EU/UK/JP/AU)

2.HDMI Cable 1m

3.User Manual

PRODUCT OVERVIEW

Processor

The TRIGKEY Mini PC is equipped with an Intel Alder Lake N100 Processor, featuring 4 cores and 4 threads, with a maximum turbo frequency of 3.4GHz and 6MB cache. This processor is designed for efficient performance with low power consumption (6W TDP), suitable for daily office tasks, 4K video playback, web browsing, and educational applications.
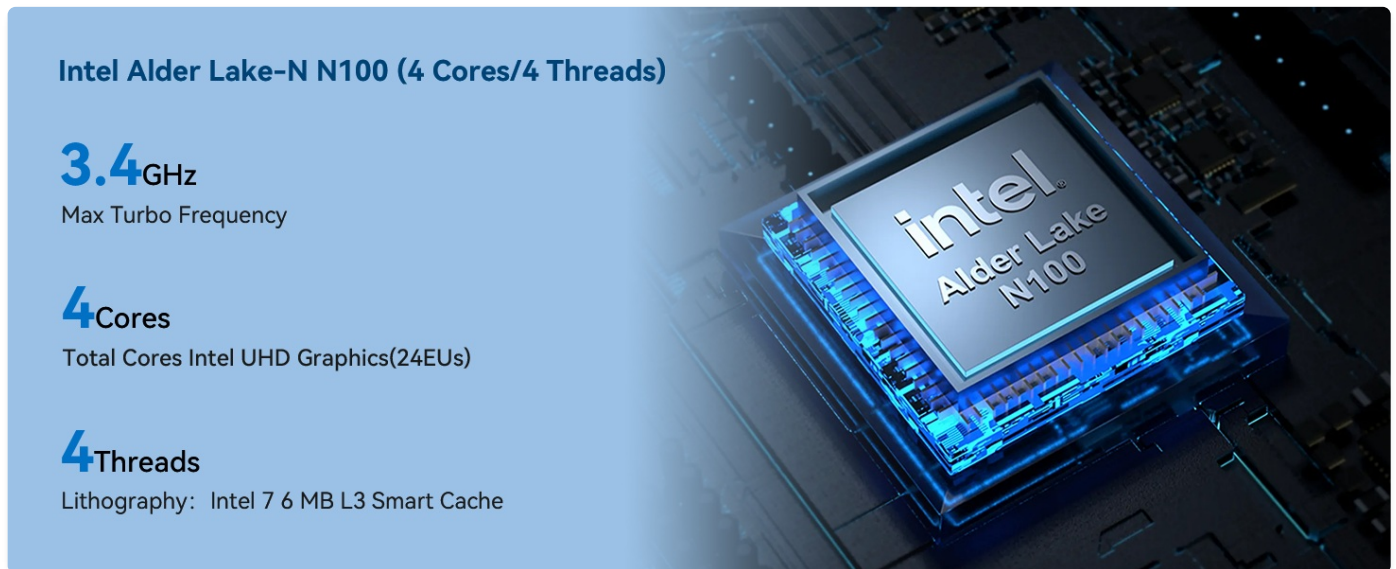
Intel Alder Lake-N N100 (4 Cores/4 Threads)

3.4GHz
Max Turbo Frequency

4Cores
Total Cores Intel UHD Graphics(24EUs)

4Threads
Lithography: Intel 7 6 MB L3 Smart Cache

Image: Detailed specifications of the Intel Alder Lake N100 processor.

Memory and Storage

The Mini PC comes with 16GB DDR4 3200MHz RAM (single-channel). For storage, it includes a 500GB M.2 SATA SSD. The system supports dual M.2 2280 PCIe SSDs, allowing for internal storage upgrades up to 4TB with two SSDs (one M.2 SATA III compatible, one PCIe 3.0 x1 NVMe).

Rich Interfaces

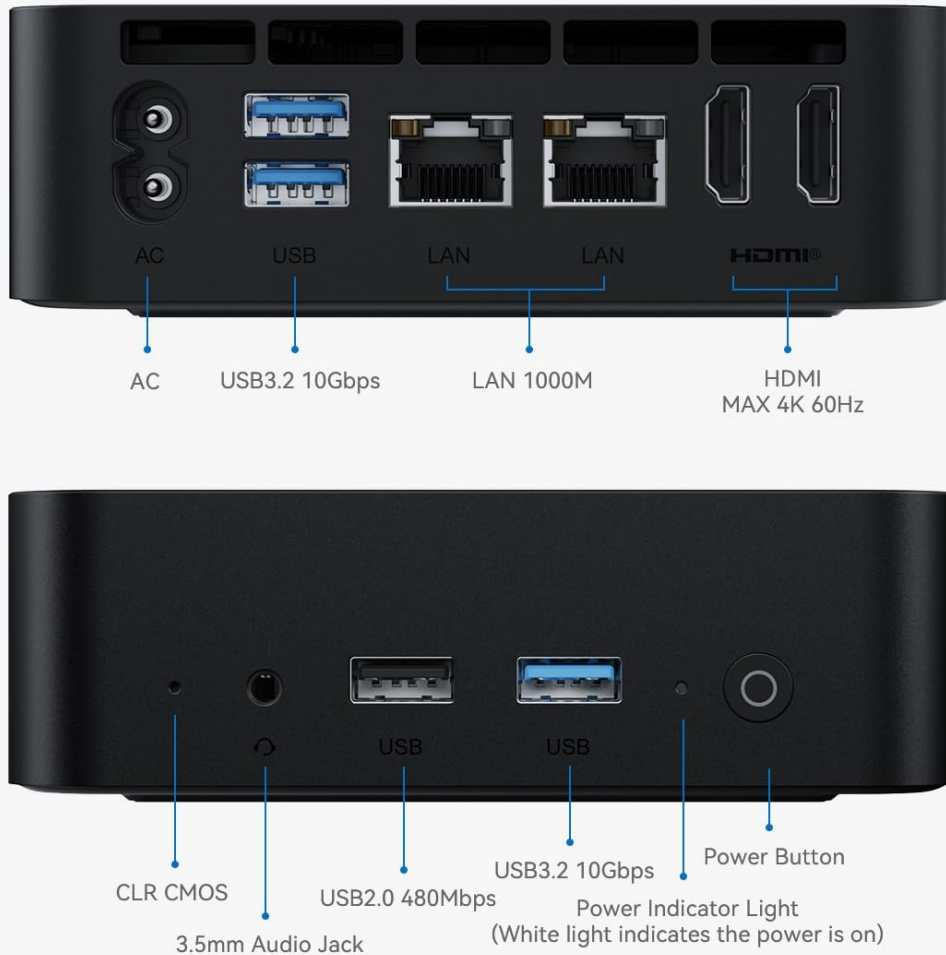Wide Range of Interfaces meet all kinds of needs.

AC   USB   LAN   LAN   HDMI®

AC

USB3.2 10Gbps

LAN 1000M

HDMI
MAX 4K 60Hz

USB   USB

CLR CMOS

USB2.0 480Mbps

USB3.2 10Gbps

Power Button

Power Indicator Light
(White light indicates the power is on)

3.5mm Audio Jack

Image: Internal layout of the Mini PC, illustrating the M.2 SSD slots and the SO-DIMM DDR4 memory slot for potential upgrades.

Display Capabilities

Equipped with Intel UHD Graphics, the Mini PC supports 4K dual-screen display via two HDMI ports. This feature is ideal for multitasking, presentations, and enhanced entertainment experiences.

TRIGKEY KEY N Mini PC

Ultra-slim Office Mini PC

CPU
4C/4T

GPU
Intel UHD Graphics

SSD
500GB PCIe 4.0 SSD MAX 4TB

WiFi-5

DDR
16GB DDR4 3200Mhz MAX 16GB

BT5.0

Image: Examples of how the Mini PC can be used for various applications, including multi-monitor setups for productivity and entertainment.

Connectivity

The Mini PC features built-in WiFi 5 and Bluetooth 5.0 for wireless connectivity, reducing cable clutter. It also includes dual Gigabit Ethernet LAN ports for stable wired network connections, enhancing data security by separating internal and external networks.

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: Rear view of the Mini PC, highlighting the dual Gigabit Ethernet ports, HDMI outputs, and AC power input.

Interfaces

The device offers a comprehensive set of ports for various peripherals:

- 1 x AC Jack (Power Input)
- 3 x USB 3.2 (10Gbps)
- 1 x USB 2.0 (480Mbps)
- 2 x LAN 1000Mbps (Gigabit Ethernet)
- 1 x 3.5mm Audio Jack
- 2 x HDMI (Max 4K@60Hz)
- 1 x CLR CMOS Button
- 1 x Power Button with Indicator Light

Office Work

Video Editing

Education

Entertainment

Online Conference

Home Theater

Image: Detailed diagram of all available ports and their functions on the front and rear panels of the Mini PC.

Cooling and Acoustics

The Mini PC incorporates an efficient cooling system with a fan that operates at low speeds, ensuring excellent heat dissipation while maintaining quiet operation. This design contributes to a stable and comfortable user experience.

Intel Alder Lake N100 processor

3.4 GHz

Max Turbo Frequency

4 Cores

Number of Cores
Intel UHD Graphics with 24EUs

4 Threads

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

Image: Angled view of the Mini PC, highlighting the ventilation grilles designed for efficient cooling.

SETUP GUIDE

Step 1: Connect Peripherals

1. **Monitor:** Connect your monitor(s) to the HDMI ports on the rear of the Mini PC using the provided HDMI cable or your own.

2. **Keyboard and Mouse:** Connect your USB keyboard and mouse to any available USB ports on the Mini PC. For Bluetooth devices, pair them after the initial setup.

3. **Network (Optional):** For a wired connection, connect an Ethernet cable from your router/modem to one of the LAN ports on the rear.

Step 2: Connect Power

1. Connect the AC power cable to the AC Jack on the Mini PC, then plug the other end into a power outlet.

Step 3: Power On

1. Press the Power Button on the front of the Mini PC. The power indicator light will illuminate.

2. The system will boot up, and you will see the Windows setup screen or desktop.

Step 4: Initial Windows Setup

1. Follow the on-screen prompts to complete the Windows 11 Pro setup, including region, keyboard layout, network connection (if not wired), account creation, and privacy settings.

2. It is recommended to connect to the internet during setup to allow Windows to download necessary updates and drivers.

OPERATING INSTRUCTIONS

Power On/Off and Restart

- **Power On:** Press the power button once.

- **Shut Down:** Click the Start button in Windows, then select Power > Shut down. Alternatively, press and hold the power button for 4-6 seconds to force a shutdown (use only if the system is unresponsive).

- **Restart:** Click the Start button in Windows, then select Power > Restart.

Connecting to Network

- **Wired Connection:** Ensure an Ethernet cable is connected to one of the LAN ports and your router/modem. The system should automatically detect the connection.

- **Wireless (Wi-Fi) Connection:**

    a. Click the Wi-Fi icon in the system tray (bottom right of the screen).
    b. Select your desired Wi-Fi network from the list.
    c. Enter the network security key (password) if prompted, then click Connect.

Connecting Bluetooth Devices

- Go to Windows Settings > Bluetooth & devices.

- Ensure Bluetooth is turned On.

- Click "Add device" and select "Bluetooth".

- Put your Bluetooth device into pairing mode.

- Select your device from the list and follow any on-screen instructions to complete pairing.

Using Multiple Displays

- Connect up to two monitors to the HDMI ports.

- Right-click on an empty area of the desktop and select "Display settings".

- Here you can arrange your displays, change resolution, and select display modes (e.g., Extend, Duplicate, Show only on 1/2).

MAINTENANCE

Cleaning

- Always power off the Mini PC and unplug it before cleaning.

- Use a soft, dry cloth to wipe the exterior. For stubborn marks, a slightly damp cloth can be used, ensuring no liquid enters the device.

- Use compressed air to gently clear dust from ventilation openings periodically to maintain optimal airflow.

Software Updates

- Regularly check for Windows updates via Settings > Windows Update to ensure system stability and security.

- Keep drivers updated. You can typically find driver updates through Windows Update or by visiting the TRIGKEY official website.

Storage Expansion

The Mini PC supports dual M.2 2280 SSDs for storage expansion. If you wish to add or replace an SSD:

- Power off the device and disconnect all cables.

- Carefully open the bottom cover of the Mini PC.

- Locate the M.2 slots. One slot is compatible with M.2 SATA III SSDs, and the other supports PCIe 3.0 x1 NVMe SSDs.

- Insert the new M.2 SSD into the available slot and secure it with the provided screw (if applicable).

- Close the cover and reconnect cables. The new drive may need to be initialized and formatted in Disk Management within Windows before use.

TROUBLESHOOTING

No Power

- Ensure the power cable is securely connected to both the Mini PC and a working power outlet.

- Verify the power outlet is functional by plugging in another device.

- Check if the power adapter is damaged.

No Display on Monitor

- Confirm the HDMI cable is securely 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, etc.).

- Try a different HDMI cable or monitor if possible.

Network Connectivity Issues

- **Wired:** Check the Ethernet cable connection. Ensure your router/modem is working correctly.

- **Wireless:** Verify Wi-Fi is enabled in Windows settings. Restart your router/modem. Ensure you are entering the correct Wi-Fi password.

Windows Activation Issues

If you encounter issues with Windows activation:

- Ensure your Mini PC is connected to the internet.

- Go to Windows Settings > System > Activation.

- If the issue persists, contact TRIGKEY customer support with your Amazon order number and the serial number of

your unit for assistance.

SPECIFICATIONS

Feature	Specification
Processor	Intel Alder Lake N100 (4C/4T, up to 3.4GHz)
Graphics	Intel UHD Graphics
RAM	16GB DDR4 3200MHz
Storage	500GB M.2 SATA SSD (Expandable up to 4TB with dual M.2 2280 PCIe SSDs)
Operating System	Windows 11 Pro (pre-installed)
Wireless Connectivity	Wi-Fi 5, Bluetooth 5.0
Wired Connectivity	2 x Gigabit Ethernet (LAN 1000Mbps)
Video Output	2 x HDMI (Supports 4K@60Hz Dual Display)
USB Ports	3 x USB 3.2 (10Gbps), 1 x USB 2.0 (480Mbps)
Audio Port	1 x 3.5mm Audio Jack
Dimensions	Approx. 4.72 x 4.72 x 3.15 inches
Weight	Approx. 1.32 pounds
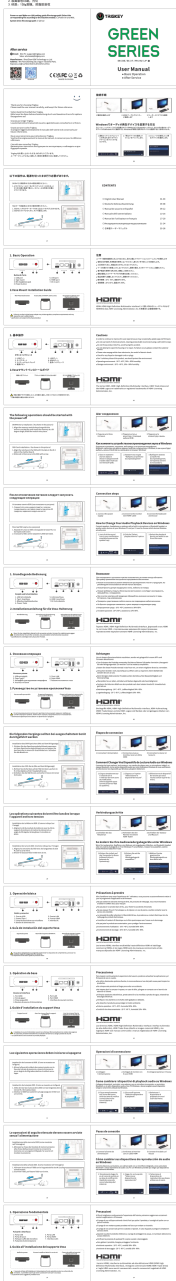
WARRANTY AND SUPPORT

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

- **Warranty:** The product comes with a 1-year worry-free warranty from the date of purchase.
- **Technical Support:** Lifetime technical support is provided for all TRIGKEY Mini PCs.
- **Customer Service:** 24-hour customer service is available to assist with any inquiries or issues.
- **Returns:** A 30-day no-reason return policy is available.

For support, please refer to the contact information provided on the TRIGKEY official website or your purchase platform.

Related Documents - KEY N100 16+500G

[TRIGKEY Green G5 Mini PC User Manual](#)

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.

[TRIGKEY G2 GREEN Mini PC User Manual - Setup, Operation, and Support](#)

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.

[TRIGKEY S3 USB Flash Drive User Manual - 2A4J2-S3](#)

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.

	FEVM Mini PC FN Series User Manual User manual for the FEVM Mini PC FN Series, covering setup, operation, specifications, and safety precautions.
	TexHoo Nuc Box QN10-SE Mini PC User Manual User manual for the TexHoo Nuc Box QN10-SE Mini PC, detailing specifications, connection steps, basic settings, warranty policy, FCC compliance, and troubleshooting.