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TRIGKEY G4-N100 16G+500G

TRIGKEY G4 Mini PC User Manual

Model: G4-N100 16G+500G

PRODUCT OVERVIEW

The TRIGKEY G4 Mini PC is a compact and powerful desktop computer designed for various uses, including office work, education, and home entertainment. It features a 12th Gen Intel Alder Lake-N100 processor, 16GB DDR4 RAM, and a 500GB M.2 SSD, offering efficient performance in a small form factor.



Image: Front view of the TRIGKEY G4 Mini PC, showcasing its compact design and front ports.

WHAT'S IN THE BOX

Upon unboxing your TRIGKEY G4 Mini PC, you should find the following items:

- 1 x TRIGKEY Mini PC Intel-N100 16GB+500GB
- 1 x Power Adapter
- 1 x HDMI Cable(100cm)

- 1 x User Manual
- 1 x Vesa Mount with Screws

SETUP GUIDE

1. Initial Connection

Before powering on your Mini PC, ensure all necessary peripherals are connected.

1. **Connect Display:** Use the provided HDMI cable to connect the Mini PC to your monitor or TV. The device supports dual 4K@60Hz displays.
2. **Connect Peripherals:** Plug in your keyboard, mouse, and any other USB devices into the available USB 3.2 ports.
3. **Connect Power:** Connect the power adapter to the DC power input port on the Mini PC, then plug it into a power outlet.

4K 60Hz video support



Support 4K high-definition output, the resolution is **four times** that of 1080P



Image: Rear view of the TRIGKEY G4 Mini PC showing various ports including HDMI, LAN, and USB, with cables connected.

2. First Boot and Operating System

The TRIGKEY G4 Mini PC comes with OS 11 Pro preinstalled. Upon first boot, follow the on-screen instructions to complete the initial setup of the operating system.

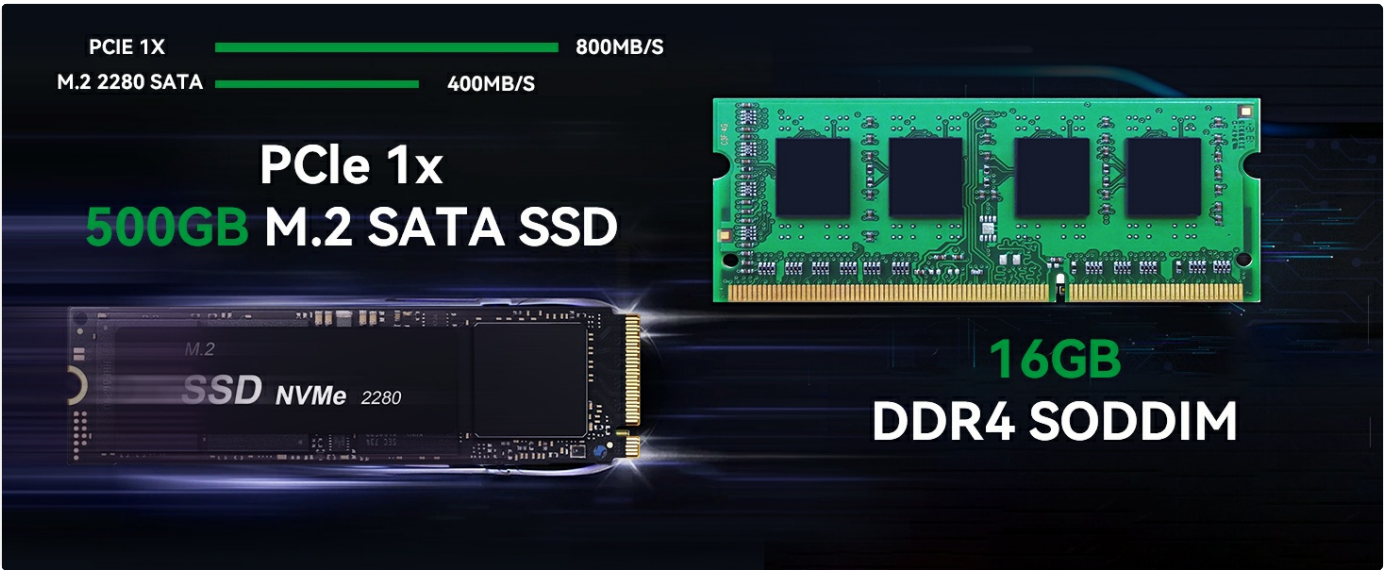


Image: Visual representation of various operating systems supported, including Windows 11 Pro and Linux distributions.

OPERATING INSTRUCTIONS

Power On/Off

Press the power button located on the front of the Mini PC to turn it on. To turn it off, use the standard shutdown procedure within the operating system.

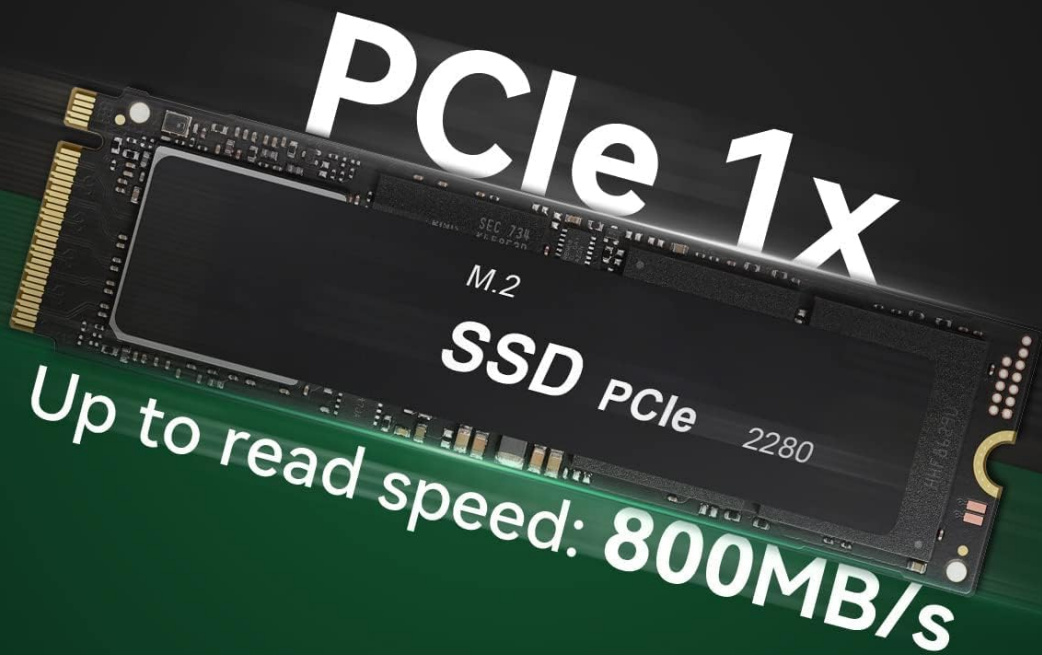
Dual Display Setup

The Mini PC supports dual 4K@60Hz displays via its two HDMI 2.0 ports. Connect two monitors to these ports for an extended desktop experience, enhancing productivity for tasks like office work, design, and multimedia.

Stable and reliable performance, high speed , no lag.



Supports M.2 2280 NVMe/SATA3 SSD, Configurable to **2TB** storage.
Standard **500GB** PCIe SSD.NVMe up to **800MB/S**, SATA3 up to **500MB/s**



Standard 500GB PCIe SSD, Max 2TB SSD

Image: A TRIGKEY G4 Mini PC connected to two monitors, demonstrating its dual 4K display capability.

Connectivity

The Mini PC offers robust connectivity options:

- **Wi-Fi 6 (802.11ax):** Provides fast and stable wireless internet connection.
- **Bluetooth 5.2:** For connecting wireless peripherals such as keyboards, mice, and headphones.
- **LAN (1000Mbps):** A gigabit Ethernet port for wired network connections.
- **USB 3.2 Type-A (10Gbps):** Four high-speed USB ports for data transfer and connecting devices.

SO-DIMM DDR4



Single-channel support up to 16G(dependent on memory type),
optional single-channel 16G memory.

*Official speeds apply



OPTIONAL **16 GB 3200MHz DDR4**

Frequency : **Max 16GB 3200MHz DDR4**

Image: Detailed view of the TRIGKEY G4 Mini PC's front and rear interfaces, highlighting USB, HDMI, LAN, and audio ports.

Typical Use Cases

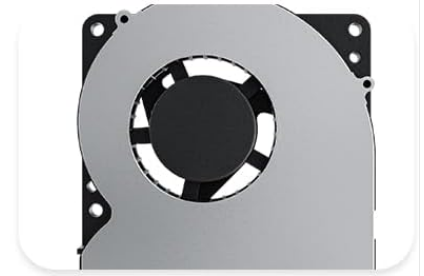
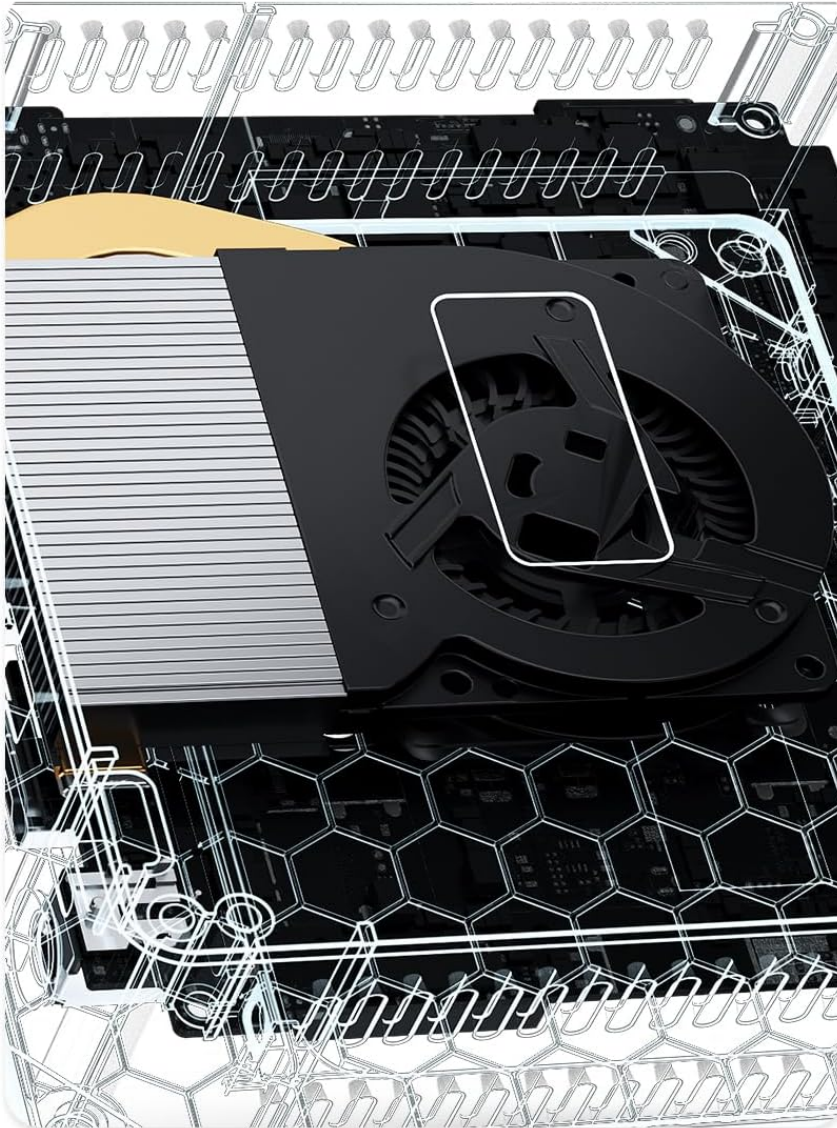
The TRIGKEY G4 Mini PC is suitable for a variety of applications:

- **Office Work:** Ideal for running productivity software like Microsoft Office, AI, PS, CAD, and PR.
- **Education:** A compact solution for learning environments and school computer rooms.
- **Home Entertainment:** Supports 4K video playback for streaming and multimedia consumption.
- **Design:** Capable of handling design software with its Intel UHD Graphics.

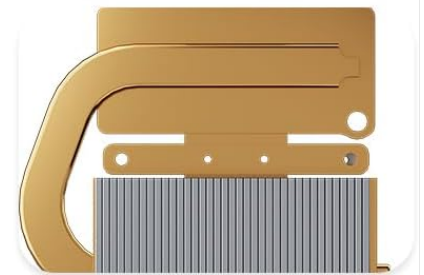
Quiet large fan + Heat sink



Efficient heat dissipation



Cooling fan



Heat sink



hard drive cooler

Image: Collage showing the Mini PC being used in different scenarios such as education, home theater, audio making, office, and design.

MAINTENANCE

Storage Expansion

The Mini PC comes with a 500GB M.2 SSD. You can expand storage by adding a 2.5-inch SATA3 HDD or M.2 SATA3 2280 SSD, supporting up to 2TB (not included). This allows for significant storage upgrades for your files and applications.

SO-DIMM DDR4



Single-channel support up to 16G(dependent on memory type),
optional single-channel 16G memory.

*Official speeds apply



OPTIONAL **16 GB 3200MHz DDR4**

Frequency : **Max 16GB 3200MHz DDR4**

Image: Internal components of the Mini PC, highlighting the M.2 SSD slot and DDR4 RAM module, indicating expandability.

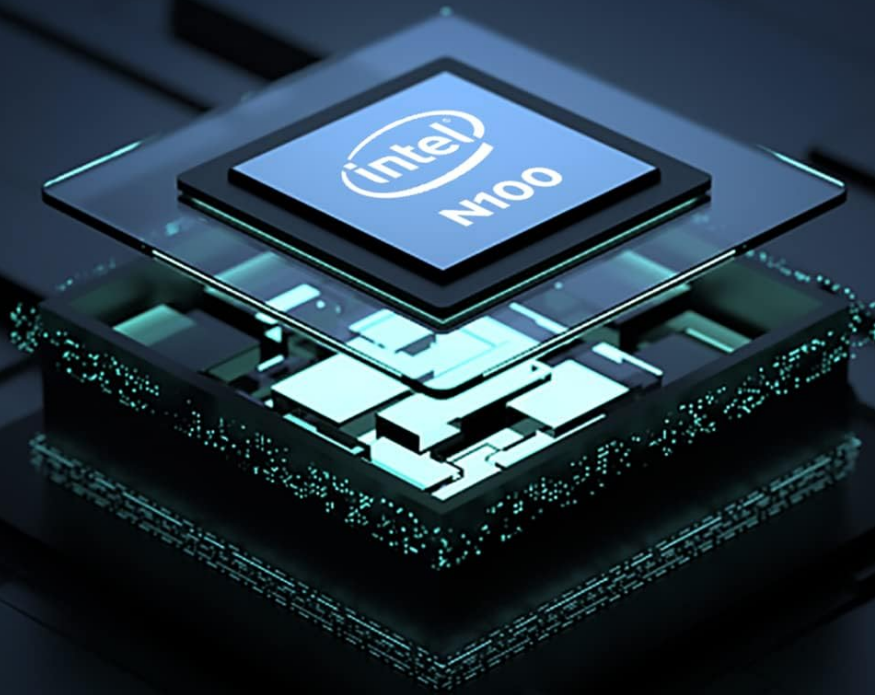
Cooling System

The device features an upgraded cooling system, including a large silent CPU fan, copper heat sink, and a dedicated SSD cooling shield, ensuring efficient heat dissipation and stable performance during operation.

Intel® Alder Lake-N N100 Processor

Processor Base Frequency:0.8GHz/Max Turbo Frequency:3.40GHz

Intel N100 ————— ↑ 25%
Intel N5105 —————



3.40GHz

Max Turbo Frequency
TDP(Max Turbo Frequency):25W

4Cores

Total Cores
Intel® UHD Graphics(24EUs)

4Threads

Lithography: Intel 7
6 MB L3 Smart Cache

Image: Exploded view diagram illustrating the cooling fan, heat sink, and hard drive cooler components of the Mini PC.

TROUBLESHOOTING

If you encounter any issues with your TRIGKEY G4 Mini PC, consider the following general troubleshooting steps:

- **No Display:** Ensure all display cables are securely connected and the monitor is powered on and set to the correct input source.
- **No Power:** Verify the power adapter is correctly connected to both the Mini PC and a working power outlet.
- **Slow Performance:** Check for background applications, ensure sufficient free storage space, and consider updating drivers.
- **Network Issues:** For Wi-Fi, ensure you are connected to the correct network and the signal is strong. For wired connections, check the Ethernet cable and router status.

For more detailed assistance, please refer to the Support section.

SPECIFICATIONS

Feature	Detail
Processor	Intel Alder Lake-N100 (4C/4T, up to 3.4GHz)
RAM	16GB DDR4 (3200MHz)
Storage	500GB M.2 SSD (Expandable up to 2TB 2.5-inch SATA3 HDD / M.2 SATA3 2280 SSD)
Graphics	Intel UHD Graphics 24EU
Display Output	Dual HDMI 2.0 (4K@60Hz)
Wireless Connectivity	Wi-Fi 6 (802.11ax), Bluetooth 5.2
Wired Connectivity	1 x 1000Mbps LAN port
USB Ports	4 x USB 3.2 Type-A (10Gbps)
Audio Port	1 x 3.5mm audio port
Operating System	OS 11 Pro (Preinstalled)
Dimensions	Approx. 4.52 x 4.01 x 1.61 inches
Weight	Approx. 1.58 pounds

Rich interfaces design

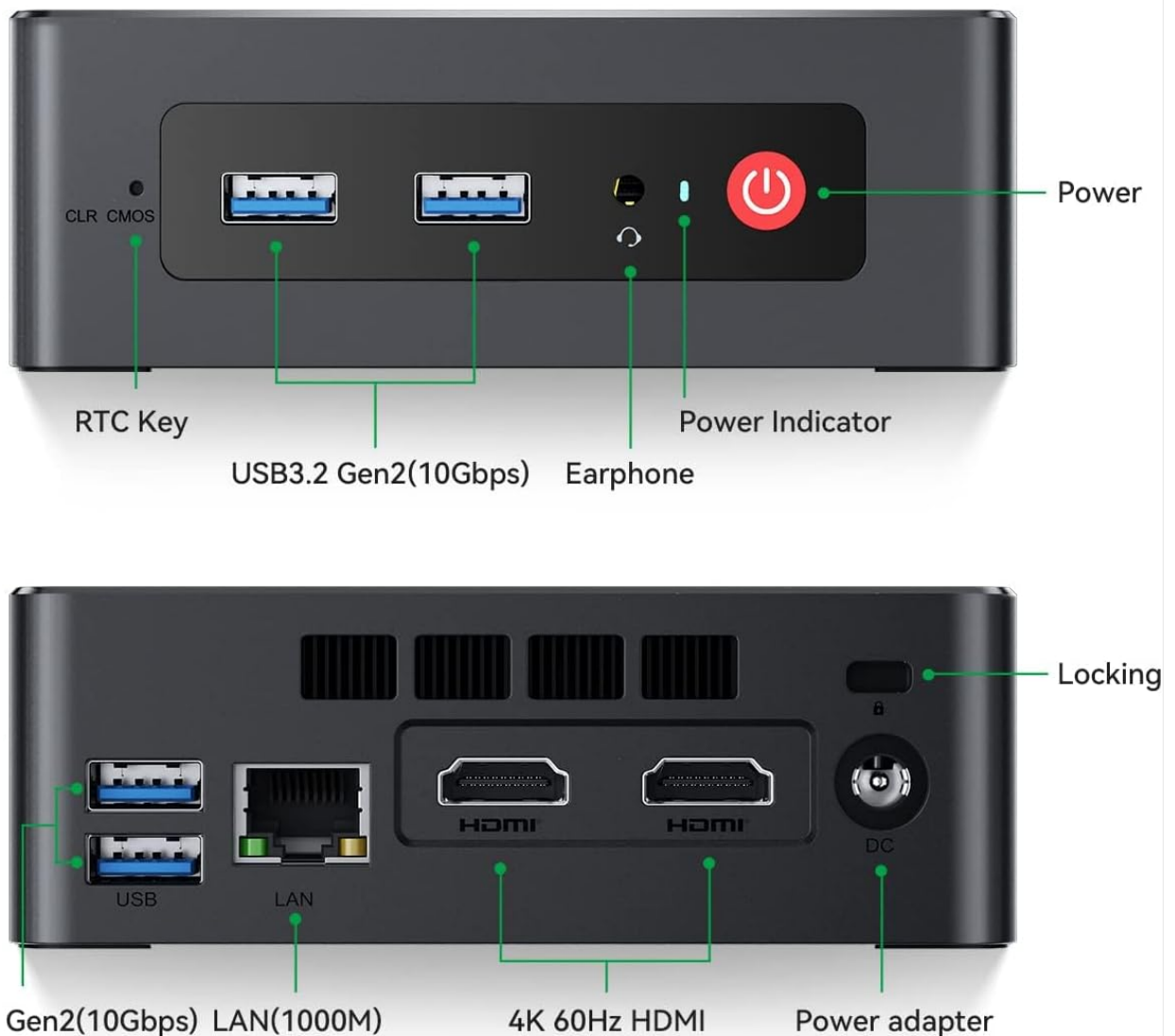


Image: A detailed table outlining the product specifications of the TRIGKEY G4 Mini PC.

WARRANTY AND SUPPORT

Warranty Information

TRIGKEY provides a one-year return policy under reasonable circumstances, along with exchange and warranty service. Please retain your proof of purchase for warranty claims.

Customer Support

For any questions regarding your TRIGKEY G4 Mini PC, including operating system inquiries or technical issues, please contact the professional after-sales team through Amazon. They are available to provide assistance and guidance.

Your browser does not support the video tag.

Video: An official product video from TRIGKEY showcasing the G4 Mini PC's features and capabilities.

