TRIGKEY Green G4 N100

TRIGKEY G4 Mini PC User Manual

Model: Green G4 N100

INTRODUCTION

The TRIGKEY G4 Mini PC is a compact yet powerful desktop computer designed for various tasks, from everyday computing to supporting dual 4K displays. Equipped with an Intel 12th Gen N100 processor, it offers efficient performance and versatile connectivity options. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Mini PC.

Figure 1: 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, please ensure all the following items are present:

- 1 x TRIGKEY Mini PC
- 1 x Power Adapter
- 2 x HDMI Cable
- 1 x User Manual

SETUP

Initial Connection

1. Connect the power adapter to the DC port on the Mini PC and plug it into a power outlet.
2. Connect your monitor(s) to the HDMI ports on the Mini PC using the provided HDMI cables.

3. Connect your keyboard and mouse to the USB 3.0 ports.

4. (Optional) For wired network access, connect an Ethernet cable to the RJ45 Gigabit Ethernet port.

5. Press the power button on the front of the Mini PC to turn it on.
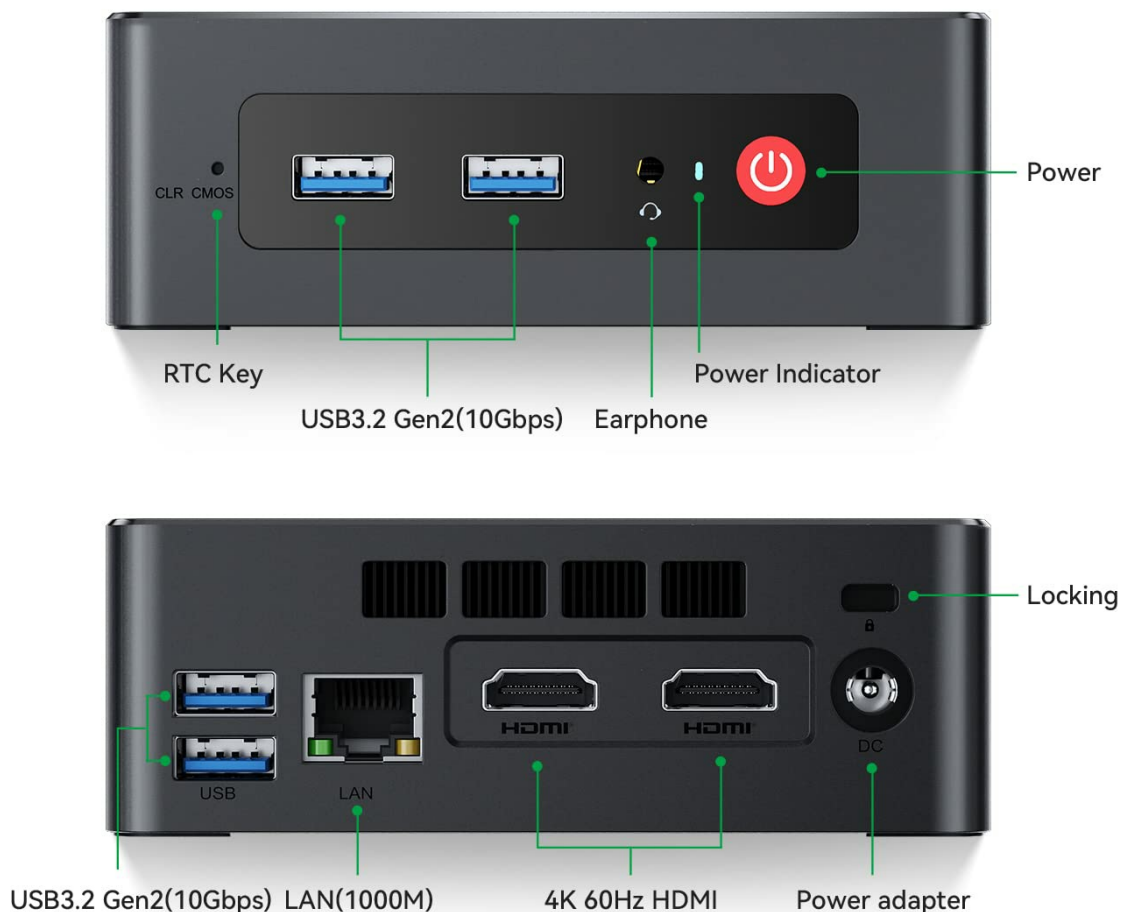

Figure 2: Detailed view of the Mini PC's ports, including USB 3.0, HDMI, Ethernet, and power input.

Adding Internal Storage (HDD/SSD)

The TRIGKEY G4 Mini PC supports expansion with a 2.5-inch SSD or HDD up to 2TB (not included). Follow these steps to install additional storage:

1. Ensure the Mini PC is powered off and unplugged.

2. Unscrew the screws at the bottom of the Mini PC.

3. Carefully open the back panel to reveal the internal components.

4. Align the slot and insert your 2.5-inch SSD/HDD into the designated bay.

5. Secure the SSD/HDD using the screws provided with your storage device or the Mini PC.

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

Your browser does not support the video tag.

Video 1: Step-by-step tutorial on how to install an HDD/SSD into the TRIGKEY G4 Mini PC.

OPERATING INSTRUCTIONS
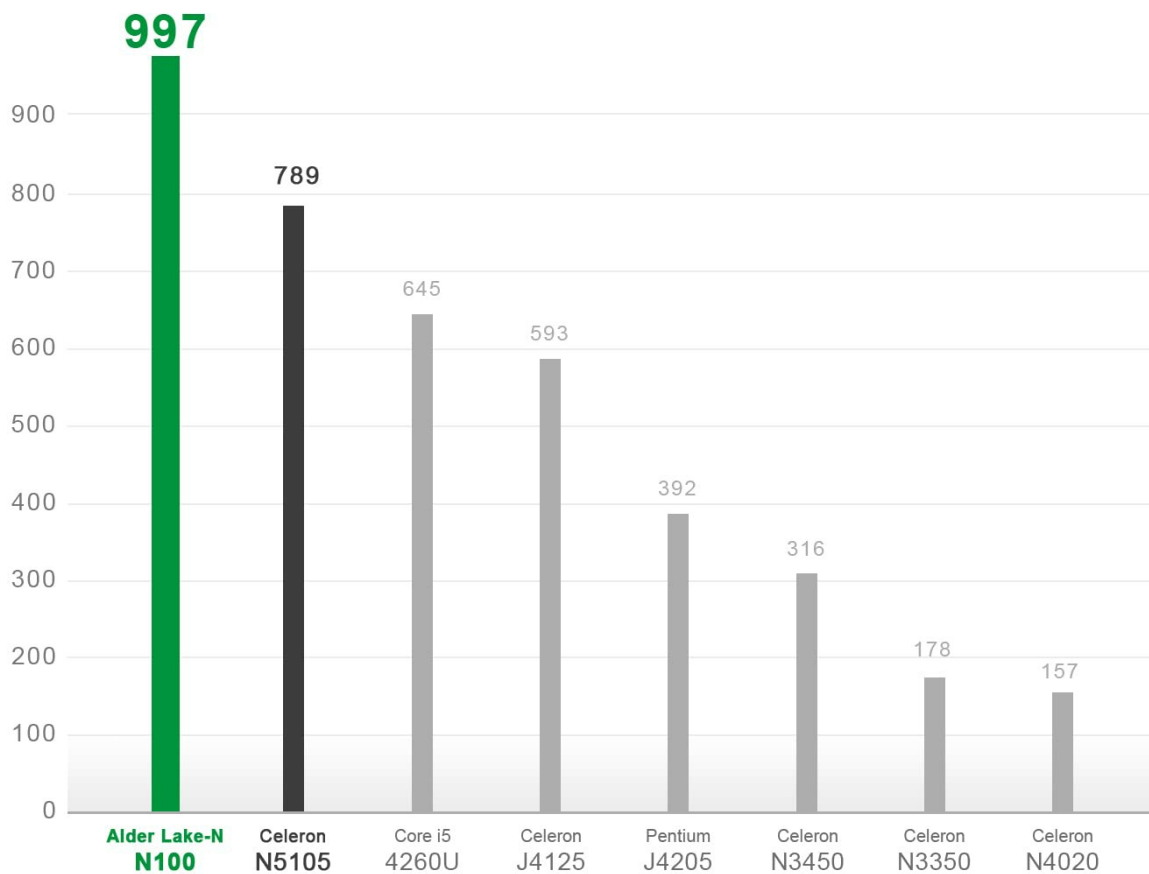
Processor and Performance

The TRIGKEY G4 Mini PC is powered by an Intel 12th Gen N100 processor, featuring 4 cores and 4 threads with a turbo frequency of up to 3.4GHz. This processor is designed for efficient handling of various complex tasks, significantly improving work efficiency compared to older CPU architectures.

Figure 3: Benchmark comparison highlighting the performance of the Intel N100 processor.
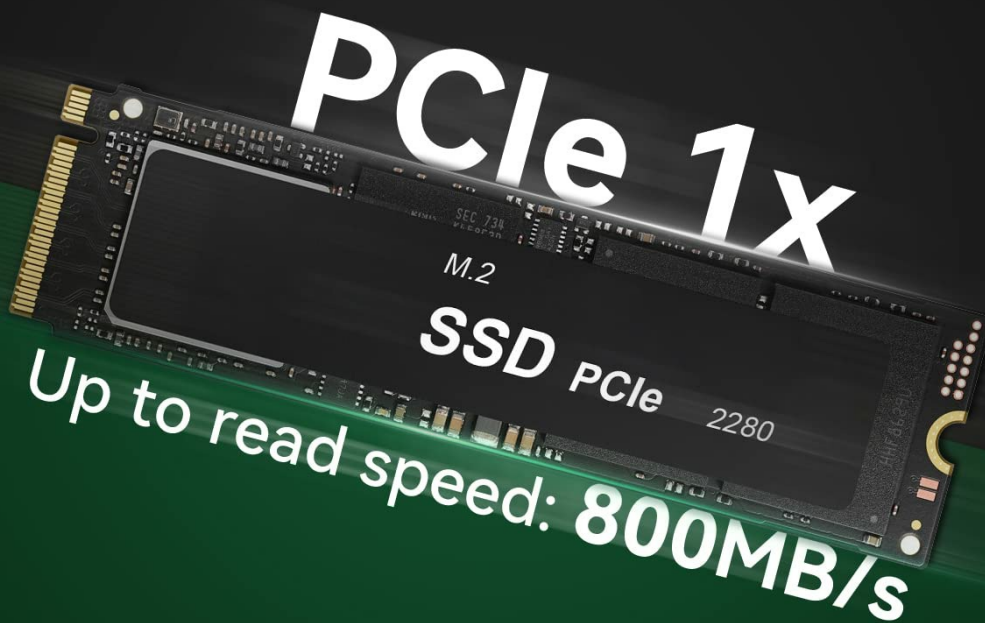
Storage and Memory

The Mini PC comes equipped with 16GB DDR4 3200MHz RAM and a 500GB M.2 PCIE1/SATA SSD. The M.2 PCIE1 SSD offers read speeds up to 800MB/s, which is significantly faster than standard M.2 SSDs. The system also supports further storage expansion with a 2.5-inch SSD or HDD up to 2TB.
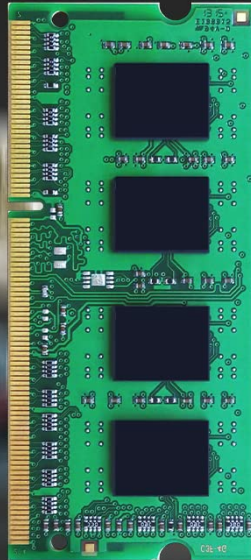
Figure 4: Illustration of the M.2 PCIE1 SSD, emphasizing its high read speed.

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

Figure 5: Visual representation of the SO-DIMM DDR4 memory module used in the Mini PC.

Dual Display Setup

The Mini PC supports Ultra HD 4K@60Hz dual HDMI screen output. This allows you to connect two monitors simultaneously, enabling efficient multitasking and an immersive visual experience. You can perform different tasks on each screen, enhancing productivity.

Dual screen display

Supporting two different screen displays, HDMI supports 4K display resolution of 3840*2160; 4 timesmore than Full HD (FHD.1920*1080); 9 times more than HD (HD.1280*720).

OFFICE   MOVIES

Figure 6: Example of a dual monitor setup powered by the TRIGKEY G4 Mini PC.

Your browser does not support the video tag.

Video 2: Demonstration of the dual screen display capability of the Mini PC.

Wireless Connectivity

The Mini PC features Wi-Fi 6 (802.11ax) for high-speed wireless internet access and Bluetooth 5.2 for connecting peripherals such as keyboards, mice, and headphones.

MAINTENANCE

- **Cleaning:** Regularly clean the exterior of the Mini PC with a soft, dry cloth. Avoid using liquid cleaners or aerosols. Ensure ventilation holes are free from dust and debris to maintain optimal airflow.

- **Software Updates:** Keep your operating system and drivers updated to ensure optimal performance and security.

- **Temperature Management:** The Mini PC is designed with efficient heat dissipation. Ensure it is placed in a well-ventilated area and not obstructed. Refer to the noise and cooling performance table for typical operating
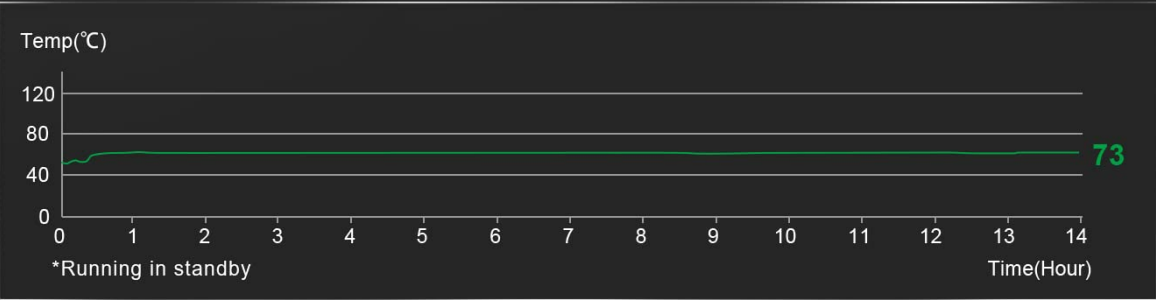
temperatures.

Noise and cooling performance

Software	Adobe Illustrator	Adobe Photoshop	Office	Standby mode
15cm	30-32dB	29-31dB	23-27dB	17-23dB
30cm	28-31dB	24-27dB	18-22dB	11-19dB

0-20dB hardly feel; 20-40dB quiet, as if whispering softly; 40-60dB ordinary indoor talk; 60-70dB noisy and nerve-wounding.

Office	Browse the web	PDF	Office	Watch video
Temp	45-57℃	53-65℃	52-59℃	53-65℃
Design	CorelDRAW	Dreamweaver	Adobe Photoshop	Adobe illustrator
Temp	52-65℃	62-71℃	57-69℃	55-67℃

Temp(℃)

120
80
40
0
   73

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14

*Running in standby   Time(Hour)

Test environment: CPU–Intel Alder Lake N100 Processor with Intel® UHD Graphics, Memory–16G–3200MHz, SSD–PCIe 500G,1080p, 40℃ in the high temperature chamber.

Figure 7: Table detailing the noise levels and temperature ranges under various operating conditions.

TROUBLESHOOTING

If you encounter any issues with your TRIGKEY G4 Mini PC, please refer to the following common troubleshooting steps:

- **No Power:**

    - Ensure the power adapter is securely connected to both the Mini PC and a working power outlet.
    - Verify the power outlet is functional by plugging in another device.

- **No Display:**

    - Check that the HDMI cables are securely connected to both the Mini PC and the monitor(s).
    - Ensure the monitor is set to the correct input source (HDMI 1, HDMI 2, etc.).
    - Try connecting the Mini PC to a different monitor or TV to rule out monitor issues.

- **No Internet Connection:**

  - For wired connections, ensure the Ethernet cable is properly connected and your router is working.
  - For Wi-Fi, check that Wi-Fi is enabled on the Mini PC and you are connected to the correct network with the correct password.
  - Restart your router/modem.

- **Slow Performance:**

  - Close unnecessary applications running in the background.
  - Check for and install any pending operating system updates.
  - Ensure adequate ventilation to prevent overheating.

SPECIFICATIONS

Feature	Detail
Processor	Intel 12th Gen N100 (4C/4T, up to 3.4GHz)
RAM	16GB DDR4 3200MHz (SODIMM)
Storage	500GB M.2 PCIE1/SATA SSD (Expandable to 2TB 2.5-inch SSD/HDD)
Graphics	Integrated Intel UHD Graphics, 4K@60Hz Dual HDMI Output
Connectivity	Wi-Fi 6 (802.11ax), Bluetooth 5.2, 1x RJ45 Gigabit Ethernet
Ports	4x USB 3.0, 2x HDMI, 1x RJ45, 1x Audio, 1x DC Power
Operating System	OS (Windows 11 Pro compatible)
Dimensions (LxWxH)	4.96 x 4.45 x 1.57 inches
Weight	1.25 pounds

WARRANTY AND SUPPORT

TRIGKEY is committed to providing excellent customer service and lifetime technical support for all its Mini PCs. If you encounter any quality issues or require assistance, please contact TRIGKEY's after-sales service.
To contact support, you can typically find the "Sold by [Seller Name]" link on the product page on Amazon. Click on the seller's name (e.g., "TRIGKEY") and then look for an "Ask a question" or "Contact Seller" option. Provide details of your issue, including the product name and ASIN (B0C15DTJMX).

Your browser does not support the video tag.

Video 3: An overview of how TRIGKEY products can serve various needs, emphasizing support.

Your browser does not support the video tag.

Video 4: A promotional video for the TRIGKEY GREEN G4 N100 Mini PC, highlighting its features and the brand's commitment.