TRIGKEY G5 N100

TRIGKEY G5 Mini PC User Manual

Model: G5 N100

Brand: TRIGKEY

1. INTRODUCTION

This manual provides detailed instructions for setting up, operating, and maintaining your TRIGKEY G5 Mini PC. Please read this guide thoroughly to ensure proper use and to maximize the performance and longevity of your device. The TRIGKEY G5 Mini PC is a compact and efficient computing solution designed for various tasks, from everyday browsing to demanding office applications and multimedia consumption.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

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

3. PRODUCT OVERVIEW

The TRIGKEY G5 Mini PC is designed for efficiency and versatility. Familiarize yourself with its physical components and ports.

Figure 3.1: Front view of the TRIGKEY G5 Mini PC. This image displays the compact design of the Mini PC, highlighting its small footprint suitable for various environments.

3.1. Ports and Connectors

The Mini PC features a comprehensive set of ports for connectivity. Refer to the image below for port identification.

Up to **2TB** Storage

Supports M.2 2280 NVMe/SATA3 SSD. Standard **500GB** PCIe SSD.
NVMe up to **900**MB/S, SATA3 up to **500**MB/s.

500GB

/// **50%**

M.2 PCIe x1

/////////////////////////////

M.2 SATA SSD

*Test data may vary according to the change of test environment.

Figure 3.2: Detailed view of the front and rear ports on the TRIGKEY G5 Mini PC. This includes USB 3.2, HDMI 2.0, 2.5G Gigabit Ethernet, Audio Jack, Type-C, and the DC power jack.

- **Front Panel:** 3x USB 3.2 ports, 1x Audio Jack, 1x Power Button, 1x RTC Key (for CMOS reset).
- **Rear Panel:** 2x HDMI 2.0 ports, 2x 2.5G Gigabit Ethernet ports, 1x Type-C port (Date and video), 1x DC Power Jack.

4. SETUP

Follow these steps for the initial setup of your TRIGKEY G5 Mini PC:

1. **Connect Display:** Connect your monitor(s) to the HDMI ports or the Type-C port using appropriate cables. The Mini PC supports up to three displays simultaneously.

2. **Connect Peripherals:** Plug in your keyboard, mouse, and any other USB devices into the available USB ports.

3. **Connect Network:** For a wired connection, connect an Ethernet cable to one of the 2.5G Gigabit Ethernet ports. For wireless, ensure your WiFi network is available during the operating system setup.

4. **Connect Power:** Connect the power adapter to the DC Power Jack on the rear panel, then plug the

adapter into a power outlet.

5. **Power On:** Press the power button on the front panel to turn on the Mini PC.

5. OPERATING INSTRUCTIONS

5.1. First Boot and Operating System

Upon first boot, the Mini PC will guide you through the initial setup of Windows 11 Pro. Follow the on-screen prompts to configure your language, region, network, and user account. Ensure you have an active internet connection for Windows activation and updates.

5.2. Power On/Off

- **To Power On:** Press the power button on the front of the device.
- **To Shut Down:** Use the standard Windows shutdown procedure (Start Menu > Power > Shut down). Avoid directly unplugging the power adapter during operation to prevent data loss or system damage.
- **Wake On LAN:** The device supports Wake On LAN functionality, allowing it to be powered on remotely via a network signal. This feature can be configured in the BIOS settings.

6. STORAGE AND MEMORY

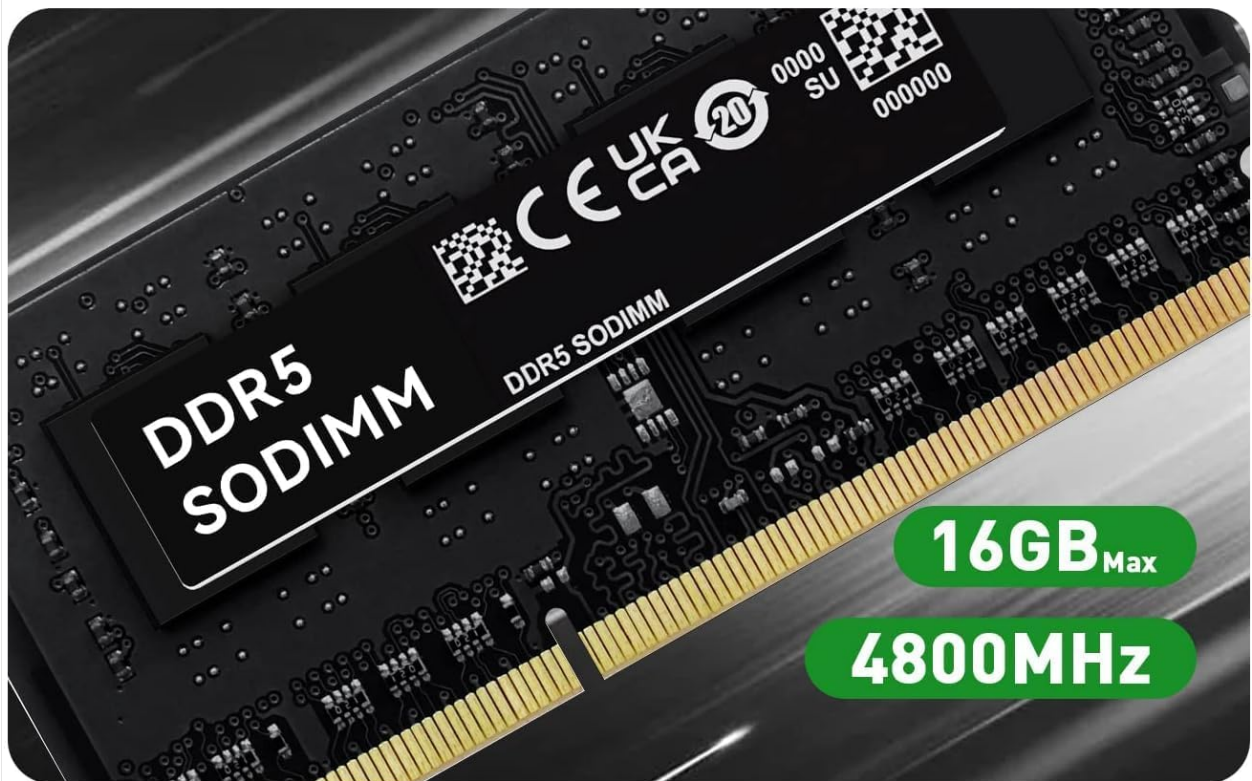The TRIGKEY G5 Mini PC comes equipped with high-speed memory and storage components.

6.1. RAM (Random Access Memory)

The system includes 16GB of DDR5 4800MHz SO-DIMM RAM, providing efficient performance for multitasking and demanding applications.

SO-DIMM DDR5 4800MHz

A single channel supports up to **16GB,** with 8/16GB memory.

*Test data may vary according to the change of test environment.

Figure 6.1: A close-up view of the DDR5 SO-DIMM RAM module, indicating its 4800MHz speed and 16GB capacity.

6.2. SSD (Solid State Drive)

A 500GB M.2 PCIe SSD is pre-installed, offering fast boot times and rapid data access. The system also supports expansion with a 2.5-inch SSD or HDD up to 2TB (not included).

Dual 2.5G Network Ports

Live broadcast/Office/File download
High speed transmission and soft router

Figure 6.2: An M.2 NVMe SSD module, illustrating the compact form factor of the primary storage device.

7. DISPLAY CONFIGURATION

The TRIGKEY G5 Mini PC supports multiple display setups and high-resolution output.

7.1. Triple Display Support

You can connect up to three displays simultaneously using the dual HDMI 2.0 ports and the Type-C port. This allows for extended desktop environments, enhancing productivity for various tasks.

Figure 7.1: An illustration of the TRIGKEY G5 Mini PC supporting a triple screen display setup, demonstrating its multi-monitor capabilities.

7.2. 4K@60Hz Output

The Mini PC supports Ultra HD 4K resolution at 60Hz, delivering crisp and detailed visuals for an immersive viewing experience. This is ideal for multimedia consumption and professional applications requiring high visual fidelity.

Supports 4K 60 Hz

4K has four times as many pixels as 1080P, capturing more details with clarity.

Figure 7.2: A visual comparison highlighting the enhanced detail and clarity of a 4K display at 60Hz compared to 1080P, showcasing the Mini PC's high-resolution output capability.

8. NETWORK CONNECTIVITY

The TRIGKEY G5 Mini PC offers robust network options:

- **Dual 2.5G LAN:** Two 2.5 Gigabit Ethernet ports provide high-speed wired network connections, suitable for demanding network tasks and server applications.
- **WiFi 6:** Integrated WiFi 6 (802.11ax) ensures fast and stable wireless connectivity.
- **Bluetooth 5.2:** Bluetooth 5.2 allows for seamless connection with wireless peripherals such as keyboards, mice, and audio devices.

9. MAINTENANCE

9.1. Cleaning

Regularly clean the exterior of the Mini PC with a soft, dry cloth. Ensure ventilation openings are free from dust and debris to maintain optimal airflow and prevent overheating.

9.2. Upgrades

The Mini PC's RAM and M.2 NVMe SSD are user-replaceable. Additionally, a 2.5-inch SATA SSD or HDD can be added for expanded storage. When performing upgrades, ensure the device is powered off and unplugged. Refer to the detailed instructions provided by TRIGKEY for specific upgrade procedures to avoid damaging components.

10. TROUBLESHOOTING

If you encounter issues with your TRIGKEY G5 Mini PC, 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. Try a different outlet if necessary.
- **No Display:** Verify that the HDMI or Type-C cables are correctly connected to both the Mini PC and the monitor. Check the monitor's input source settings.
- **No Internet Connection:** For wired connections, check the Ethernet cable and router status. For wireless, ensure WiFi is enabled in Windows and you are connected to the correct network.
- **System Unresponsive:** Press and hold the power button for 5-10 seconds to force a shutdown, then restart the device. If issues persist, consider using the RTC Key for a CMOS reset (consult support if unsure).

11. SPECIFICATIONS

Feature	Specification
Processor	Intel N100 (4C/4T, up to 3.4GHz)
RAM	16GB DDR5 4800MHz
Storage	500GB M.2 PCIe SSD (Expandable with 2.5-inch SSD/HDD up to 2TB)
Graphics	Integrated Intel UHD Graphics
Display Output	Dual HDMI 2.0, 1x Type-C (Supports Triple Display, 4K@60Hz)
Network	Dual 2.5G Gigabit Ethernet, WiFi 6, Bluetooth 5.2
Operating System	Windows 11 Pro
Ports	3x USB 3.2, 2x HDMI 2.0, 2x 2.5G LAN, 1x Audio Jack, 1x Type-C, 1x DC Jack
Dimensions (LxWxH)	4.96 x 4.45 x 1.57 inches
Item Weight	1.8 pounds

12. WARRANTY AND SUPPORT

TRIGKEY is committed to providing excellent customer service and technical support for its products.

12.1. Warranty Information

All TRIGKEY Mini PCs undergo strict inspections before shipment. For specific warranty details, please refer to the documentation included with your product or contact TRIGKEY customer service.

12.2. Technical Support

TRIGKEY offers lifetime technical support for its products. If you encounter any issues or have questions, please contact TRIGKEY customer service for one-to-one assistance. Contact information can typically be found on the official TRIGKEY website or within your product packaging.

13. PRODUCT OVERVIEW VIDEO

Watch this video for a compact overview of the TRIGKEY G5 Mini PC and its features.

Your browser does not support the video tag.

Video 13.1: A compact yet powerful desktop computer solution. This video provides a visual demonstration of the TRIGKEY G5 Mini PC, showcasing its size, design, and various functionalities in a concise format.

Related Documents - G5 N100

[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.

[Beelink Mini PC Auto Power On Configuration Guide](#)

Instructions on how to enable the automatic power-on feature for Beelink Mini PCs using either BIOS settings or a hardware jumper.

[Firebat Mini PC User Manual - Setup, Features, and Troubleshooting](#)

Comprehensive user manual for Firebat Mini PC models (e.g., AK2, MN56, AM02, T8). Covers package contents, setup, hardware connections, VESA mounting, BIOS settings, FAQ, and troubleshooting for optimal performance.