TRIGKEY G4 Mini PC

TRIGKEY G4 Mini PC User Manual: 12th Gen Intel N100, 16GB DDR4, 500GB SSD

1. INTRODUCTION

This manual provides essential information and instructions for the TRIGKEY G4 Mini PC. This compact and powerful desktop computer is equipped with a 12th Generation Intel N100 processor, 16GB of DDR4 RAM, and a 500GB M.2 PCIE1 SSD, designed for efficient performance in various tasks including office work, media consumption, and light gaming. It supports 4K@60Hz UHD graphics and dual display output for enhanced productivity.

2. PACKAGE CONTENTS

Upon unboxing your TRIGKEY G4 Mini PC, please verify that all the following items are included:

- TRIGKEY G4 Mini PC Unit
- Power Adapter (12V/3A)
- HDMI Cable (approx. 1 meter)
- Short HDMI Cable (approx. 9 inches)
- VESA Mount Bracket
- Mounting Screws
- User Manual

For a visual guide on unboxing and initial setup, please refer to the video below.

Video: Trigkey Speed S Mini PC Unboxing and First Look. This video demonstrates the contents of the package and provides a first look at the mini PC unit and its accessories.

3. PRODUCT OVERVIEW

3.1. Exterior Design and Ports

The TRIGKEY G4 Mini PC features a compact and sleek design, making it suitable for various environments. The

housing is constructed with durable materials, ensuring longevity.

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

Front Panel:

- **2x USB 3.0 Ports:** For connecting high-speed peripherals.
- **1x USB Type-C Port:** For data transfer (data only).
- **1x 3.5mm Audio Jack:** For headphones or external speakers.
- **Power Button:** To power on/off the device.
- **CLR CMOS Button:** To clear CMOS settings.

Side Panels:

Both side panels feature ventilation grilles to ensure optimal airflow and heat dissipation, maintaining stable performance during operation.

Rear Panel:

- **1x Gigabit Ethernet Port:** For high-speed wired network connection.
- **2x USB 3.0 Ports:** For connecting additional peripherals.
- **2x HDMI Ports:** Supports dual 4K@60Hz display output.
- **DC Power Input:** For connecting the power adapter.

3.2. Internal Components

The TRIGKEY G4 Mini PC is designed for easy access to its internal components for upgrades and maintenance.

Image: Close-up of the SO-DIMM DDR4 RAM module, highlighting its type and capacity.
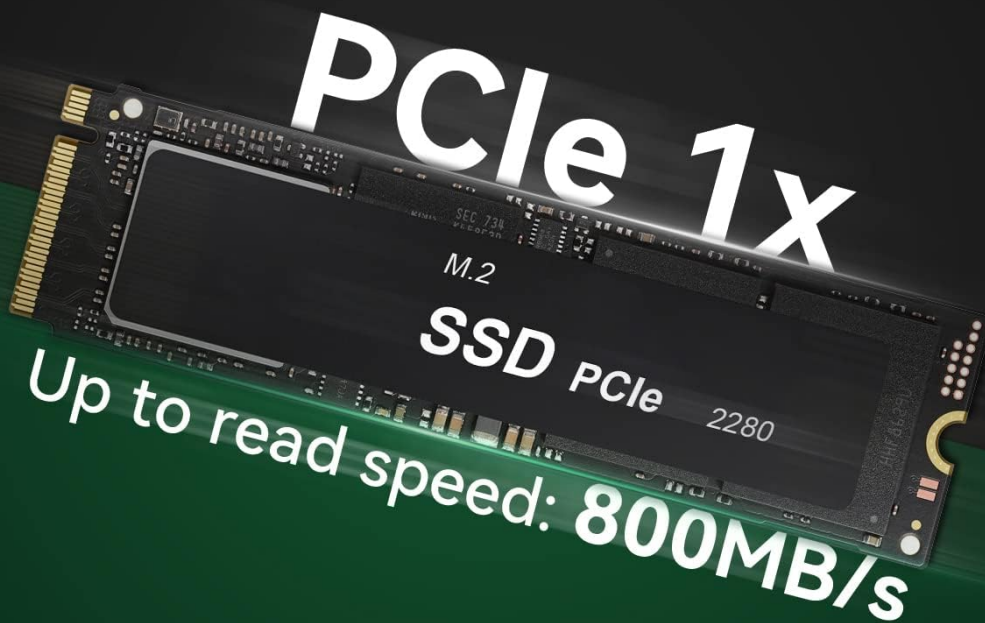
Image: View of the M.2 NVMe SSD module, indicating its form factor and interface.

For detailed instructions on expanding storage and memory, please refer to the maintenance section or the videos below.

Video: Expand your SSD and get massive storage space. This video demonstrates how to install or upgrade the SSD storage in the mini PC.

Video: Simply expand your memory and double the speed of your PC. This video illustrates the process of upgrading the RAM modules.

4. INITIAL SETUP

Follow these steps to set up your TRIGKEY G4 Mini PC:

1. **Connect Display:** Connect your monitor(s) to the HDMI ports on the rear panel using the provided HDMI cables.
2. **Connect Peripherals:** Plug in your keyboard, mouse, and any other USB devices into the available USB ports.
3. **Connect Power:** Connect the DC power adapter to the power input jack on the rear panel, then plug the

adapter into a power outlet.

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

5. **Initial OS Configuration:** Follow the on-screen instructions to complete the Windows 11 Pro setup.

5. OPERATING SYSTEM

The TRIGKEY G4 Mini PC comes pre-installed with**Windows 11 Pro (64-bit)**. It also supports Windows 10 Pro and various Linux distributions, offering flexibility for different user preferences.

The BIOS (Basic Input/Output System) provides access to advanced settings for hardware configuration. To enter the BIOS, typically press the **DEL** or **F2** key repeatedly during startup. Consult the user manual for specific key presses if needed.

6. PERFORMANCE CAPABILITIES

The TRIGKEY G4 Mini PC is engineered for a balance of performance and efficiency, suitable for a wide range of applications.

6.1. Processor and Graphics

Powered by the **12th Gen Intel N100 Processor** (4 Cores/4 Threads, 0.8GHz Base Frequency, up to 3.4GHz Max Turbo Frequency), the Mini PC delivers reliable performance for daily computing tasks. Integrated **Intel UHD Graphics** support **4K@60Hz dual display output**, ideal for multitasking and immersive media experiences.

Image: A dual screen setup demonstrating the Mini PC's capability to drive two 4K displays simultaneously.

See the video below for a demonstration of dual 4K display functionality.

Video: Use dual 4K 4096x2160@60Hz HDMI, double the work efficiency. This video highlights the dual 4K display capabilities of the mini PC.

6.2. Memory and Storage

The system includes **16GB of DDR4 RAM**, providing ample memory for smooth application switching and multitasking. Storage is handled by a fast **500GB M.2 PCIE1 SSD**, ensuring quick boot times and rapid data access.

6.3. Connectivity

The Mini PC offers robust connectivity options:

- **WiFi 5 (2.4G+5G):** Dual-band wireless connectivity for stable and fast internet access.
- **Bluetooth 4.0:** For connecting wireless peripherals and accessories.
- **Gigabit Ethernet:** For reliable high-speed wired network connections.

7. MAINTENANCE AND UPGRADES

The TRIGKEY G4 Mini PC is designed to allow users to easily upgrade its storage and memory components.

7.1. Upgrading Storage (2.5-inch HDD/SSD)

The device supports adding a 2.5-inch SATA HDD or SSD for additional storage, up to 2TB. To install or replace a drive:

1. Unscrew the four screws on the bottom panel of the Mini PC.
2. Carefully lift the bottom panel to reveal the internal components.
3. Align your 2.5-inch drive with the designated slot and connect the SATA data and power cables.
4. Secure the drive with the provided screws.
5. Reattach the bottom panel and secure it with the four screws.

7.2. Upgrading RAM

The Mini PC comes with 16GB DDR4 RAM and can be upgraded to a maximum of 32GB. To upgrade RAM:

1. Unscrew the four screws on the bottom panel.
2. Carefully lift the bottom panel.
3. Gently push the clips on either side of the RAM module outwards to release it.
4. Remove the old RAM module.
5. Align the notch on the new RAM module with the slot and push down firmly until the clips snap into place.
6. Reattach the bottom panel and secure it with the four screws.

For a visual guide on internal component access, please watch the video below.

Video: Step 1: Unscrew the screws at the bottom. This video demonstrates how to open the mini PC to access its internal components for upgrades.

8. TROUBLESHOOTING

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

- **No Display:** Ensure all HDMI cables are securely connected to both the Mini PC and the monitor. Try a different HDMI port or cable. Verify the monitor is powered on and set to the correct input source.
- **No Power:** Check if the power adapter is correctly connected to the Mini PC and the power outlet. Ensure the power outlet is functional.
- **System Unresponsive:** Press and hold the power button for 5-10 seconds to force a shutdown, then restart the device. If issues persist, try using the CLR CMOS button on the front panel.
- **Peripheral Not Detected:** Try connecting the peripheral to a different USB port. Ensure the peripheral's drivers are up to date.
- **Slow Performance:** Check for background applications consuming resources. Ensure Windows is updated and drivers are current. Consider upgrading RAM or switching to an SSD if using an HDD.

For further assistance, please contact TRIGKEY support.

9. SPECIFICATIONS

Feature	Specification
Processor	12th Gen Intel N100 (4C/4T, 0.8GHz-3.4GHz)

| Feature	Specification
Graphics	Intel UHD Graphics (4K@60Hz)
RAM	16GB DDR4 (expandable up to 32GB)
Storage	500GB M.2 PCIE1 SSD (expandable up to 2TB 2.5" HDD/SSD)
Operating System	Windows 11 Pro (64-bit), supports Windows 10 Pro, Linux
Video Output	2x HDMI (4K@60Hz Dual Display)
USB Ports	4x USB 3.0, 1x USB Type-C (Data Only)
Network	WiFi 5 (2.4G+5G), Bluetooth 4.0, Gigabit Ethernet
Audio	1x 3.5mm Audio Jack
Dimensions	4.96 x 4.45 x 1.57 inches
Weight	1.94 pounds

10. WARRANTY AND SUPPORT

TRIGKEY offers comprehensive support for its products:

- **12-Month Replacement:** Eligible for replacement within 12 months of purchase.
- **Lifetime Technical Support:** Dedicated technical assistance for the lifetime of the product.
- **30-Day No Reason to Return:** Hassle-free returns within 30 days of purchase.
- **24-Hour Quick Reply:** Customer service available to respond to inquiries within 24 hours.

For any support needs, please refer to the official TRIGKEY support channels.

Video: How to get TRIGKEY Support. This video guides users on how to contact TRIGKEY customer support for assistance.

Related Documents - G4 Mini PC
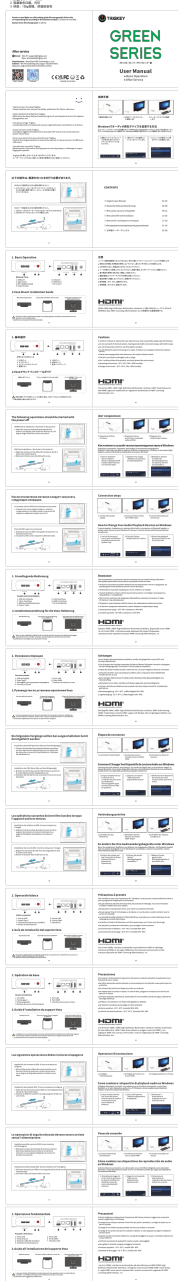
[TRIGKEY Green G5 Mini PC User Manual](#)

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.
	[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.
	[GMKtec NUCBOX7/7S User Manual](#) User manual for the GMKtec NUCBOX7 and NUCBOX7S mini PCs, detailing specifications, safety precautions, connection steps, and after-sales support.