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TRIGKEY S5

TRIGKEY S5 Mini PC User Manual

Model: S5 with AMD Ryzen 7 Pro 5850U Processor

1. INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your TRIGKEY S5 Mini PC. The TRIGKEY S5 is a compact and powerful mini computer featuring an AMD Ryzen 7 Pro 5850U processor, 16GB DDR4 RAM, and a 500GB NVMe SSD, designed for various computing needs from daily tasks to demanding applications.

Please read this manual thoroughly before using your device to ensure proper functionality and to maximize its performance and lifespan.

2. PACKAGE CONTENTS

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

- 1 x TRIGKEY S5 Mini PC (5850U desktop PC)
- 1 x HDMI Cable (100cm)
- 1 x Power Adapter
- 1 x User Manual (this document)

3. PRODUCT OVERVIEW

The TRIGKEY S5 Mini PC is designed for efficiency and versatility. Its compact size (approximately 126mm x 113mm x 42mm) allows for easy placement in various environments.



Plastic body

Small but high performance
Size: 126*113*42mm

16 Threads

4.4 GHz

Max turbo Frequency

2000 MHz

AMD Ryzen™ Graphics 8 CUs

Graphics Capabilities

8 Cores

M.2 2280 NVME SSD



DDR4 3200 MHz

Max Dual channel 64G



Three-screen display
DP+HDMI+Type-c



Faster and more stable

Wi-Fi 6™



Bluetooth 5.2

Image: Front and back view of the TRIGKEY S5 Mini PC, highlighting its compact design and port layout.

AMD Ryzen™ 7 Pro 5850U

Processor Base Frequency: 1.9GHz/Max Turbo Frequency: 4.40GHz

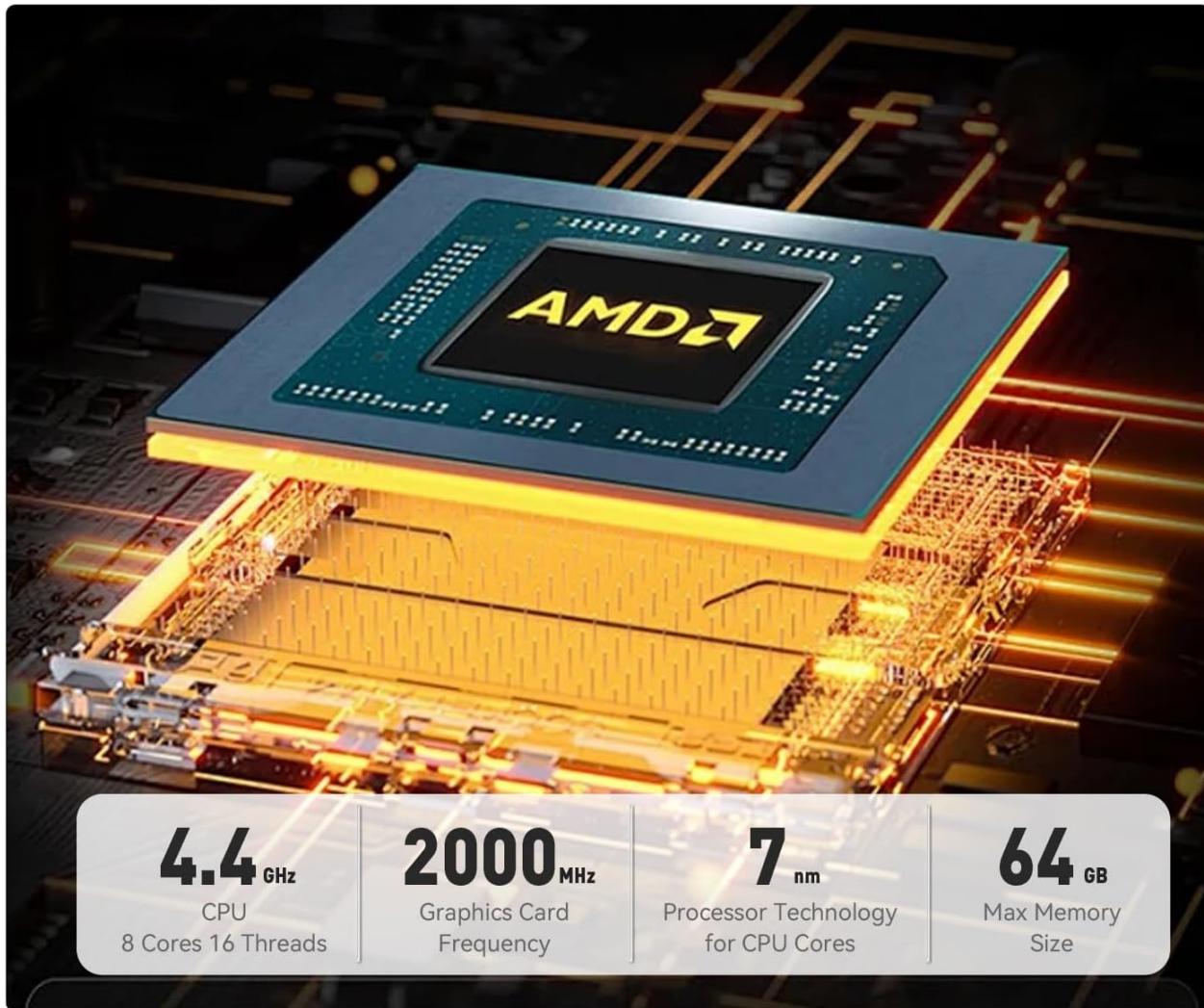


Image: Side view of the TRIGKEY S5 Mini PC, illustrating the various connectivity options.

Ports and Interfaces:

- **Front Panel:**

- Power Button
- USB 3.2 Gen2 (10Gbps) x 3
- Type-C (Data & Video)
- Audio Jack (HP&MIC)

- **Rear Panel:**

- DC Jack (Power Input)
- LAN 1000M (Gigabit Ethernet)
- HDMI (4K 60Hz)
- DP 1.4 (DisplayPort)
- USB 2.0 x 1

4. SETUP INSTRUCTIONS

- Connect to Power:** Plug the power adapter into the DC Jack on the rear panel of the Mini PC, then connect the adapter to a power outlet.
- Connect to Display:** Use the provided HDMI cable to connect the Mini PC to your monitor or TV. For triple-screen setup, use the HDMI, DP, and Type-C ports.
- Connect Peripherals:** Connect your keyboard, mouse, and other USB devices to the available USB ports.
- Network Connection:** For a wired connection, connect an Ethernet cable to the LAN port. For wireless, ensure your WiFi network is available after booting.
- Power On:** Press the power button on the front panel to start the Mini PC.



Image: The TRIGKEY S5 Mini PC connected to a monitor, keyboard, and mouse, demonstrating a typical setup.

5. OPERATING INSTRUCTIONS

- Initial Boot:** Upon first power-on, the system may guide you through the operating system setup process. Follow the on-screen instructions.
- Power On/Off:** Press the power button once to turn on the device. To shut down, use the operating system's shutdown function. A short press of the power button can also put the device to sleep. A long press (approx. 5 seconds) will force a shutdown.

- **BIOS Access:** To enter the BIOS settings, press the 'Del' key repeatedly during startup.
- **Operating System:** The Mini PC comes with a pre-installed operating system. Ensure it is updated regularly for optimal performance and security.

6. STORAGE AND MEMORY EXPANSION

The TRIGKEY S5 Mini PC offers flexible options for memory and storage upgrades.

Memory (RAM) Expansion:

The device is equipped with 16GB (2*8GB) DDR4 3200MHz SO-DIMM RAM. The dual-channel architecture supports expansion up to 64GB (2*32GB).



Image: SO-DIMM DDR4 3200MHz RAM modules, indicating support for up to 64GB memory expansion.

Storage (SSD/HDD) Expansion:

The Mini PC includes a 500GB M.2 NVMe SSD. Additional storage can be added by installing a 2.5-inch SATA HDD/SSD (not included) up to 2TB.



Image: An M.2 2280 NVMe SSD, demonstrating the type of primary storage and its expandability up to 2TB.

7. CONNECTIVITY

The TRIGKEY S5 Mini PC offers robust connectivity options:

- **WiFi 6 (802.11ax):** Provides high-speed wireless connectivity up to 2400Mbps, ensuring stable and fast internet access.
- **Bluetooth 5.2:** For connecting wireless peripherals such as keyboards, mice, and headphones with improved range and stability.
- **Gigabit Ethernet (RJ45):** Offers a reliable and fast wired network connection for demanding applications.



Image: Visual representation of WiFi 6 and Bluetooth 5.2 capabilities, emphasizing faster and more stable wireless connections.

8. DISPLAY CONFIGURATION

The TRIGKEY S5 Mini PC supports triple-screen 4K@60Hz output, allowing for enhanced multitasking and productivity.

- Connect displays using the HDMI, DisplayPort (DP), and Type-C interfaces.
- Ensure your monitors support 4K resolution and are connected via compatible cables for optimal performance.
- Adjust display settings within your operating system to extend or duplicate your desktop across multiple screens.



Image: A dual 4K@60Hz display setup connected to the Mini PC, showcasing its multi-monitor capabilities.

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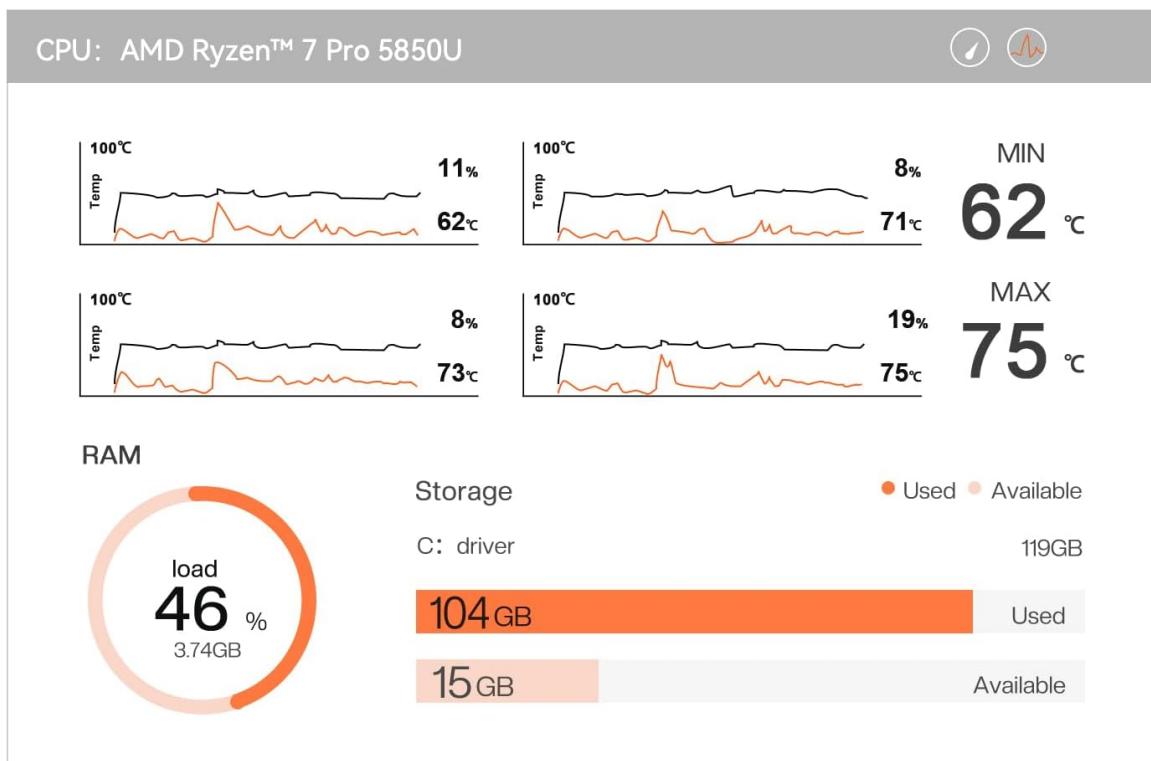
Video: An overview of the TRIGKEY S5 Mini PC, demonstrating its features including triple display support and compact size.

9. MAINTENANCE

- **Cleaning:** Regularly clean the exterior of the Mini PC with a soft, dry cloth. Use compressed air to clear dust from ventilation openings to maintain optimal airflow and prevent overheating.
- **Software Updates:** Keep your operating system and drivers updated to ensure system stability, security, and performance.
- **Environmental Conditions:** Operate the Mini PC in a well-ventilated area, away from direct sunlight, heat sources, and excessive moisture.
- **Data Backup:** Regularly back up important data to an external drive or cloud storage to prevent data loss.

CPU Temperature Test

Different programs have different temperatures, and the total heat is normal



*This Data Comes From The Network Test Platform

Image: Internal view of the Mini PC, highlighting the large fan and heat sink designed for effective heat dissipation.

10. TROUBLESHOOTING

If you encounter issues with your TRIGKEY S5 Mini PC, refer to the following common solutions:

Problem	Possible Solution
No Power	Ensure the power adapter is securely connected to both the Mini PC and a working power outlet. Check the power button for proper engagement.
No Display	Verify that the display cable (HDMI, DP, or Type-C) is securely connected to both the Mini PC and the monitor. Ensure the monitor is powered on and set to the correct input source. Try a different cable or monitor if possible.
No Network Connection	For wired connections, check the Ethernet cable and router status. For Wi-Fi, ensure Wi-Fi is enabled in the operating system settings and you are connected to the correct network with the correct password. Restart your router if necessary.
Slow Performance	Close unnecessary applications. Check for background processes consuming resources. Ensure the operating system and drivers are up to date. Verify sufficient free storage space.

Problem	Possible Solution
Peripheral Not Detected	Try connecting the peripheral to a different USB port. Ensure the peripheral's drivers are installed. Restart the Mini PC.

If the issue persists after attempting these solutions, please contact TRIGKEY customer support for further assistance.

11. SPECIFICATIONS

Feature	Detail
Processor	AMD Ryzen 7 Pro 5850U (8 Cores/16 Threads, up to 4.4GHz)
Graphics	AMD Radeon Graphics (8 Cores, 2000MHz)
RAM	16GB DDR4 3200MHz (2x8GB, expandable to 64GB)
Storage	500GB M.2 NVMe SSD (expandable with 2.5-inch SATA HDD/SSD up to 2TB)
Video Output	HDMI (4K@60Hz), DisplayPort 1.4, Type-C (Data & Video) - Triple Display Support
Wireless Connectivity	WiFi 6 (802.11ax), Bluetooth 5.2
Wired Connectivity	Gigabit Ethernet (1000M LAN)
USB Ports	3x USB 3.2 Gen2 (10Gbps), 1x USB 2.0
Audio	Audio Jack (HP&MIC)
Dimensions	Approx. 126 x 113 x 42 mm
Weight	Approx. 1.87 pounds
Operating System	OS (Pre-installed)

12. WARRANTY AND SUPPORT

TRIGKEY is committed to providing reliable products and customer service.

- Warranty:** Your TRIGKEY S5 Mini PC comes with a one-year warranty. Replacements are available within 12 months for eligible issues.
- Returns:** You may return the product within 30 days for any reason.
- Technical Support:** Lifetime technical support is provided.
- Customer Service:** 7*24-hour one-on-one customer support is available.

If you have any questions or require assistance, please do not hesitate to contact us through the official TRIGKEY support channels.

**2.4G+5G Wi-Fi 5
BROADER NETWORK COVERAGE**

Enjoy the thrill of 5G in every corner of your home



Image: Icons detailing TRIGKEY's customer service commitments: 24-hour reply, 30-day return, 12-month replacement, and lifetime technical support.

4K@60Hz Dual Output



Image: Contact options for TRIGKEY support, including mail, consultation, website, and technical support.