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TRIGKEY S5 5850U

TRIGKEY S5 5850U Mini PC User Manual

Model: AMD Ryzen R7 Pro S5 5850U

1. INTRODUCTION

This manual provides essential information for setting up, operating, and maintaining your TRIGKEY S5 5850U Mini PC. Please read it thoroughly before using the device to ensure optimal performance and longevity.

Your browser does not support the video tag.

Video: TRIGKEY 5850U Mini PC Overview. This video provides a general overview of the TRIGKEY S5 5850U Mini PC's features and design.

2. PRODUCT OVERVIEW

The TRIGKEY S5 5850U Mini PC is a compact desktop computer designed for various applications, including office work, multimedia, and light gaming. It features an AMD Ryzen 7 Pro 5850U processor, DDR4 RAM, and M.2 NVMe SSD storage.

2.1 Key Features

- **Processor:** AMD Ryzen™ 7 Pro 5850U (8 Cores, 16 Threads, up to 4.4GHz)
- **Graphics:** Integrated AMD Radeon™ Graphics (2000MHz)
- **Memory:** 16GB DDR4 RAM (expandable up to 64GB via SO-DIMM slots)
- **Storage:** 500GB M.2 2280 NVMe SSD (expandable up to 2TB)
- **Operating System:** Windows 11 Pro
- **Connectivity:** Wi-Fi 6 (802.11ax), Bluetooth 5.2, Gigabit Ethernet
- **Display Output:** Triple display support via DP, HDMI, and Type-C (4K@60Hz)
- **Dimensions:** 126mm x 113mm x 42mm (4.96 x 4.45 x 1.57 inches)

8Core 16Thread TRIGKEY Gaming Mini PC

AMD Ryzen 7 5800H(8Cores/16Thraeds, Up to 4.4GHz)



Image: The TRIGKEY S5 Mini PC connected to three external monitors, demonstrating its multi-screen display capability for various tasks like office work, design, and gaming.

2.2 Ports and Interfaces



Plastic body

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

16 Threads

4.4GHz

Max turbo Frequency

2000MHz
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

WiFi 6™



Bluetooth 5.2

Image: Detailed view of the TRIGKEY S5 Mini PC's front and rear ports. Front ports include RTC Key, USB 3.2 Gen 2, Type-C,

Earphone jack, and Power button. Rear ports include LAN (1000M), USB 2.0, USB 3.2 Gen 2, DP 1.4, HDMI (4K HD), and DC power adapter input.

- **Front Ports:**

- 1x CLR CMOS (RTC Key)
- 2x USB 3.2 Gen 2
- 1x Type-C (Data & Video)
- 1x Earphone Jack (HP&MIC)
- 1x Power Button

- **Rear Ports:**

- 1x LAN (1000M)
- 2x USB 3.2 Gen 2
- 1x USB 2.0
- 1x DisplayPort 1.4
- 1x HDMI (4K HD)
- 1x DC Power Input

3. SETUP

3.1 Initial Power On

1. Connect the power adapter to the DC input port on the rear of the Mini PC.
2. Connect your monitor(s) to the HDMI, DisplayPort, or Type-C video output ports.
3. Connect your keyboard and mouse to the available USB ports.
4. Press the power button on the front of the Mini PC. The device will boot up and display the operating system.

3.2 BIOS Configuration

To access the BIOS settings, power on the computer and repeatedly press the 'Delete' key during startup. This allows you to configure boot options, system settings, and other advanced features.

Your browser does not support the video tag.

Video: How to Update the BIOS System. This video demonstrates how to enter the BIOS, navigate through settings, and save changes. It is useful for configuring boot order or other system parameters.

4. HARDWARE INSTALLATION AND UPGRADES

The TRIGKEY S5 Mini PC supports storage and memory upgrades. Always power off and unplug the device before performing any internal hardware changes.

4.1 Installing a 2.5-inch HDD/SSD

The Mini PC includes a bracket for installing a 2.5-inch SATA HDD or SSD.

1. Unscrew the bottom plate of the Mini PC.
2. Carefully detach the bottom plate, which includes the HDD/SSD mounting bracket.
3. Mount your 2.5-inch SATA drive onto the bracket using the provided screws.
4. Connect the SATA data and power cable from the Mini PC to your newly installed drive.

5. Reattach the bottom plate and secure it with screws.

Your browser does not support the video tag.

Video: How to Install HDD. This video demonstrates the step-by-step process of installing a 2.5-inch HDD into the TRIGKEY Mini PC.

4.2 Upgrading M.2 NVMe SSD

The Mini PC comes with a pre-installed M.2 2280 NVMe SSD and supports expansion up to 2TB. An additional M.2 2242 SATA slot is also available.

1. Unscrew the bottom plate of the Mini PC.
2. Locate the M.2 slot on the motherboard.
3. Carefully insert the new M.2 NVMe SSD into the slot at an angle and secure it with the retaining screw.
4. Reattach the bottom plate and secure it with screws.



Image: A close-up view of an M.2 NVMe SSD installed within the Mini PC, highlighting its compact form factor and direct connection to the motherboard.

4.3 RAM Upgrade

The Mini PC has two SO-DIMM DDR4 slots, supporting dual-channel memory and expandable up to 64GB (e.g., 2x 32GB modules).

1. Unscrew the bottom plate of the Mini PC.
2. Locate the SO-DIMM slots on the motherboard.
3. Gently push the retaining clips outwards to release the existing RAM module (if any).
4. Insert the new DDR4 SO-DIMM module(s) into the slot(s) at an angle and push down until the clips snap into place.
5. Reattach the bottom plate and secure it with screws.



Less space, more efficiency
Business Office

Image: Two DDR4 SO-DIMM RAM modules, illustrating the type of memory compatible with the Mini PC for upgrades.

5. OPERATING INSTRUCTIONS

5.1 Basic Operation

- **Power On/Off:** Press the red power button on the front panel.
- **Restart:** Use the operating system's restart option.
- **Sleep Mode:** Use the operating system's sleep option.

5.2 Multi-Screen Display

The Mini PC supports connecting up to three displays simultaneously using the HDMI, DisplayPort, and Type-C outputs. This allows for extended desktop environments, enhancing productivity or entertainment.

1. Connect your monitors to the available video output ports (HDMI, DP, Type-C).
2. Power on the Mini PC and monitors.
3. Once Windows 11 Pro loads, right-click on the desktop and select 'Display settings' to configure your multi-monitor setup (e.g., extend, duplicate).

RAM support up to **64GB** unleashing gaming performance

Equipped with SO-DIMM DDR4 3200MHz

Optional Dual Channel 16GB(8Gx2)

32GB(16x2) 3200MHz DDR4

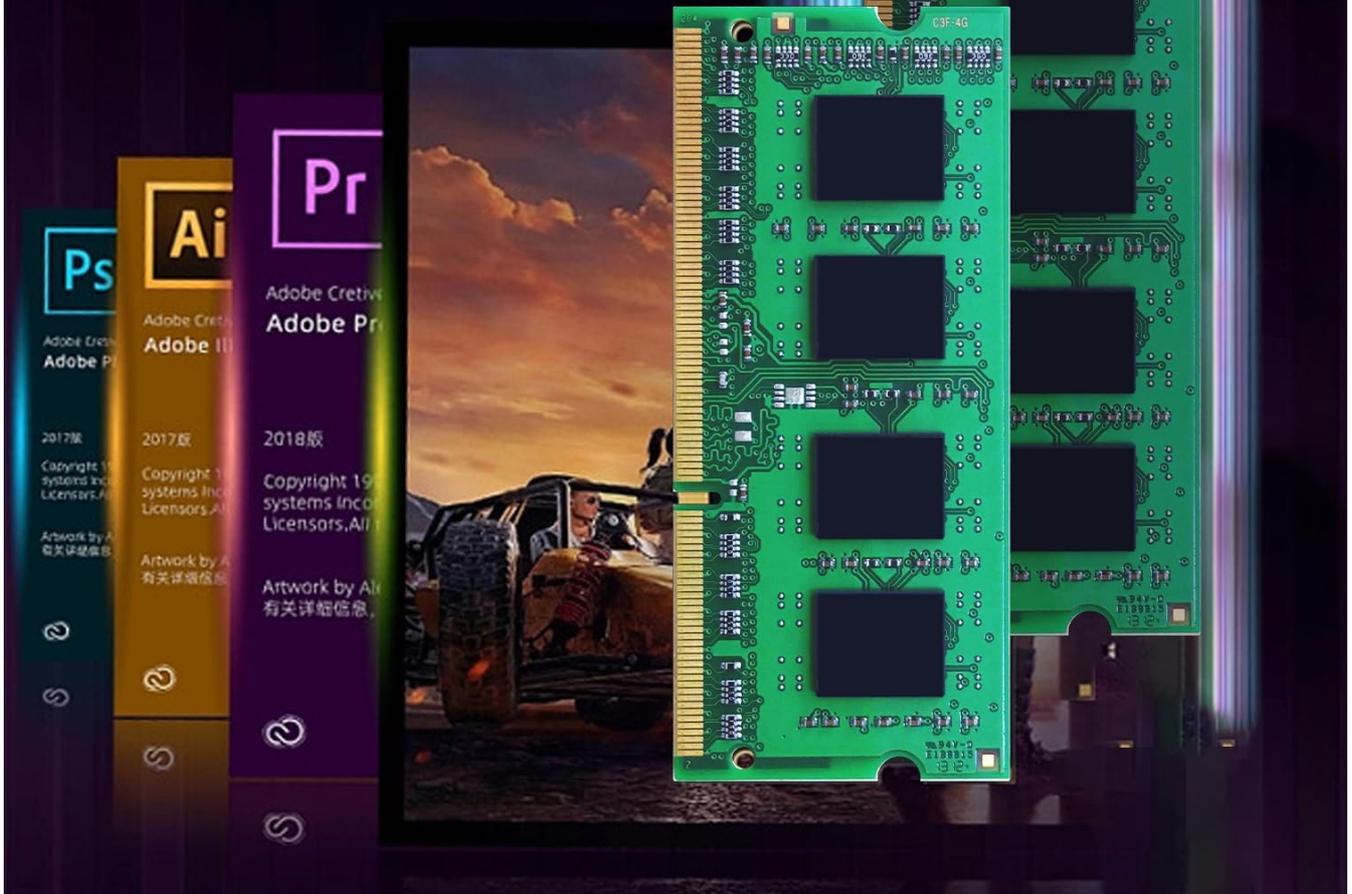


Image: The TRIGKEY S5 Mini PC powering a triple-monitor setup, showcasing its capability for multi-screen display in an office environment.

6. SPECIFICATIONS

Feature	Specification
Brand	TRIGKEY
Model Number	AMD Ryzen R7 Pro S5 5850U 16G+500G
Operating System	Windows 11 Pro
CPU Model	AMD Ryzen 7 Pro 5850U (8 Cores, 16 Threads)
CPU Speed	3.2 GHz (Base), 4.4 GHz (Max Turbo)
Graphics Coprocessor	AMD Radeon Graphics (Integrated)
RAM Memory Installed	16 GB DDR4
RAM Memory Maximum Size	64 GB
Memory Speed	3200 MHz
Memory Slots Available	2 (SO-DIMM)
Memory Storage Capacity	500 GB M.2 NVMe SSD
Hard Disk Interface	Solid State (M.2 NVMe, M.2 SATA)
Wireless Technology	Wi-Fi 6 (802.11ax), Bluetooth 5.2
Video Output	HDMI, DisplayPort, Type-C
Display Resolution Maximum	3840x2160 (4K)
Total USB Ports	4 (3x USB 3.2 Gen 2, 1x USB 2.0)
LAN	1000M Gigabit Ethernet
Item Dimensions	126 x 113 x 42 mm (4.96 x 4.45 x 1.57 inches)
Cooling Method	Air Cooling

7. MAINTENANCE

7.1 Cleaning

- Regularly clean the exterior of the Mini PC with a soft, dry cloth.
- Use compressed air to clear dust from ventilation grilles and ports to maintain optimal airflow.
- Ensure the device is powered off and unplugged before cleaning.

7.2 Heat Management

To prevent overheating and ensure stable performance, especially during prolonged use or demanding tasks:

- Place the Mini PC in a well-ventilated area.
- Avoid blocking the air vents.
- Consider using a cooling pad if operating in high ambient temperatures or under heavy load.

8. TROUBLESHOOTING

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

- **No Power:** Ensure the power adapter is securely connected to both the Mini PC and a working power outlet.
- **No Display:** Verify that the monitor cables are correctly connected and the monitor is powered on and set to the correct input source. Try a different cable or port.
- **Peripheral Not Detected:** Check the connection of your keyboard, mouse, or other peripherals. Try connecting them to a different USB port.
- **System Slowdown:** Close unnecessary applications, check for background processes, or consider upgrading RAM/SSD if performance issues persist.
- **Operating System Issues:** Use Windows troubleshooting tools or consider reinstalling the operating system if severe software problems occur.

For more complex issues, please contact TRIGKEY customer support.

9. WARRANTY AND SUPPORT

TRIGKEY is committed to providing excellent customer service and product support.

- **Quick Reply:** 24-hour response time for inquiries.
- **Return Policy:** 30-day no-reason return policy.
- **Replacement:** 12-month replacement available for eligible products.
- **Technical Support:** Lifetime after-sales service and technical support.

For support, please visit the official TRIGKEY website or contact their customer service channels.