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TRIGKEY S5

TRIGKEY S5 Mini PC User Manual

Model: S5

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1. PRODUCT OVERVIEW

The TRIGKEY S5 Mini PC is a compact and powerful computing device designed for various applications, from office tasks and multimedia consumption to light gaming and design work. It features an AMD Ryzen 7 5700U processor, ample memory, and fast storage, all within a small form factor.



TRIGKEY

S5

AMD Ryzen™ 7 5700U

High Performance Business Office Mini PC

8 cores, 16 threads, up to 4.3GHz



Figure 1.1: Front view of the TRIGKEY S5 Mini PC, showing USB ports and power button.

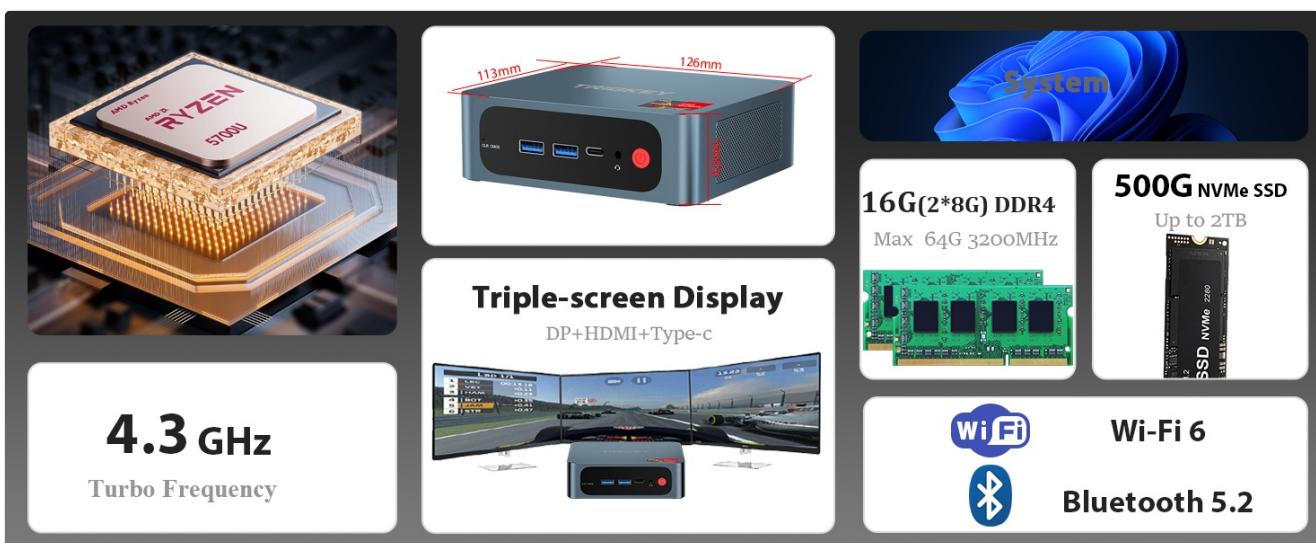


Figure 1.2: Overview of the TRIGKEY S5 Mini PC highlighting its AMD Ryzen 7 5700U processor, 8 cores, 16 threads, and up to 4.3GHz turbo frequency.

Key Features:

- **Processor:** AMD Ryzen 7 5700U (8 Cores/16 Threads, up to 4.3GHz)
- **Graphics:** AMD Radeon Graphics 8CUs (up to 1900 MHz)
- **Memory:** 32GB DDR4 RAM (3200MHz, expandable up to 64GB)
- **Storage:** 500GB M.2 2280 NVMe SSD (expandable up to 2TB via M.2 or 2.5-inch SATA)
- **Display Output:** Triple-screen support via HDMI, DisplayPort (DP), and Type-C (4K@60Hz)
- **Connectivity:** Wi-Fi 6 (802.11ax), Bluetooth 5.2, Gigabit Ethernet
- **Ports:** 3x USB 3.2 Gen2, 1x USB 2.0, 1x HDMI, 1x DP, 1x Type-C (data and video), 1x LAN RJ45, 1x Audio Jack

Your browser does not support the video tag.

Video 1.1: An official product video showcasing the TRIGKEY S5 Mini PC's features and compact design.

2. WHAT'S IN THE BOX

Upon opening the package, please ensure all the following items are present:

- 1 x TRIGKEY S5 Mini PC
- 1 x Power Adapter
- 1 x User Manual (this document)
- 1 x HDMI Cable

3. SETUP GUIDE

Follow these steps to set up your TRIGKEY S5 Mini PC for the first time:

1. Connect Peripherals:

- Connect your monitor(s) to the Mini PC using the HDMI, DisplayPort, or Type-C ports.
- Connect your keyboard and mouse to the available USB ports.
- If using a wired network, connect an Ethernet cable to the RJ45 LAN port.

Support 4K HD

4K has four times the number of pixels as 1080P, which can capture more details more clearly



Figure 3.1: Rear view of the Mini PC showing various connectivity ports including HDMI, DP, USB, and LAN.

2. Connect Power:

Connect the power adapter to the DC-in port on the Mini PC, then plug the adapter into a power outlet.

3. Power On:

Press the power button located on the front of the Mini PC. The power indicator light will illuminate.

4. Initial Operating System Setup:

Follow the on-screen instructions to complete the initial setup of your operating system (e.g., Windows or Ubuntu). This may include language selection, network configuration, and user account creation.

4. OPERATING INSTRUCTIONS

4.1. Connecting to a Network

- **Wired Connection:** If you connected an Ethernet cable during setup, your Mini PC should automatically connect to the network.
- **Wireless Connection (Wi-Fi 6):**

- a. Access your operating system's network settings.
- b. Select the desired Wi-Fi network from the list of available networks.
- c. Enter the network password if prompted and connect.

4.2. Connecting Multiple Displays

The TRIGKEY S5 Mini PC supports up to three displays simultaneously via its HDMI, DisplayPort (DP), and Type-C video output ports. Ensure your monitors support the desired resolution (up to 4K@60Hz).

1. Connect each monitor to an available video output port on the Mini PC.
2. Once connected, your operating system should detect the additional displays. You may need to configure display settings (e.g., extend, duplicate, or primary display) within your OS display settings.



Figure 4.1: Illustration of the Mini PC supporting a triple-screen 4K display setup for enhanced multitasking.

4.3. BIOS Settings

To access the BIOS/UEFI settings, power on the Mini PC and repeatedly press the designated key (commonly **Del** or **F2**) during startup. Within the BIOS, you can configure advanced settings such as:

- **Auto Power On:** Enable the system to automatically power on at a scheduled time.
- **Wake on LAN (WoL):** Allow the Mini PC to be powered on remotely over a network connection.

5. HARDWARE EXPANSION AND UPGRADES

The TRIGKEY S5 Mini PC offers options for memory and storage expansion to enhance its performance and capacity.

5.1. Memory (RAM) Upgrade

The Mini PC comes with 32GB DDR4 RAM (2x16GB SO-DIMM, 3200MHz) and supports an upgrade to a maximum of 64GB (2x32GB SO-DIMM).

1. Power off the Mini PC and disconnect all cables.
2. Carefully open the Mini PC casing to access the SO-DIMM slots. Refer to the internal diagram for location.
3. Gently unclip the existing RAM modules (if replacing) and insert the new DDR4 SO-DIMM modules into the

slots, ensuring they are seated correctly.

4. Close the casing and reconnect all cables.



Figure 5.1: Illustration of DDR4 SO-DIMM RAM modules, indicating support for up to 64GB.

5.2. Storage (SSD/HDD) Upgrade

The Mini PC includes a 500GB M.2 2280 NVMe SSD and can be expanded up to 2TB. It also supports adding a 2.5-inch SATA HDD or SSD.

1. Power off the Mini PC and disconnect all cables.
2. Open the Mini PC casing.
3. **For M.2 NVMe SSD:** Locate the M.2 slot. If replacing, remove the existing SSD. Insert the new M.2 2280 NVMe SSD and secure it with the provided screw.
4. **For 2.5-inch SATA Drive:** Locate the 2.5-inch drive bay. Install the SATA HDD/SSD into the bay and connect the SATA data and power cables.
5. Close the casing and reconnect all cables.



Figure 5.2: An M.2 2280 NVMe SSD, illustrating the type of storage used and expandable to 2TB.

6. SPECIFICATIONS

Feature	Detail
Model	S5
Processor	AMD Ryzen 7 5700U (8 Cores, 16 Threads, 1.8GHz base, up to 4.3GHz turbo)
Graphics	AMD Radeon Graphics 8CUs (up to 1900 MHz)
RAM	32GB DDR4 (3200MHz SO-DIMM, 2x16GB), Max 64GB
Storage	500GB M.2 2280 NVMe SSD, Expandable to 2TB (M.2 or 2.5" SATA)
Operating System	OS (Pre-installed, switchable)
Wireless Connectivity	Wi-Fi 6 (802.11ax), Bluetooth 5.2
Ethernet	Gigabit LAN (RJ45)
Video Output	1x HDMI, 1x DisplayPort (DP), 1x Type-C (4K@60Hz Triple Display)
USB Ports	3x USB 3.2 Gen2, 1x USB 2.0
Audio	1x Audio Jack (HP and microphone)
Dimensions (LxWxH)	5.28 x 2.24 x 8.35 inches (134 x 57 x 212 mm approx.)
Weight	1.91 pounds (0.87 kg approx.)
Color	Black

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your Mini PC.

7.1. No Display Output

- Ensure the monitor is powered on and correctly connected to the Mini PC's video output port (HDMI, DP, or Type-C).
- Verify the correct input source is selected on your monitor.
- Try a different video cable or monitor if available.

7.2. No Power

- Check if the power adapter is securely connected to both the Mini PC and a working power outlet.
- Ensure the power outlet is functional by testing it with another device.

7.3. Wi-Fi/Bluetooth Connectivity Issues

- Ensure Wi-Fi and Bluetooth are enabled in your operating system settings.
- Restart your router/modem.
- Check for updated wireless drivers for your operating system.

7.4. System Slowdown or Freezing

- Close unnecessary applications running in the background.
- Check system resource usage (CPU, RAM, Disk) in your operating system's task manager.
- Ensure the Mini PC has adequate ventilation to prevent overheating.
- Run a disk cleanup and defragmentation (for HDDs) or TRIM (for SSDs) utility.

8. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your TRIGKEY S5 Mini PC.

8.1. Cleaning

- **Exterior:** Use a soft, dry, anti-static cloth to wipe the exterior of the Mini PC. Avoid liquid cleaners.
- **Ventilation:** Periodically check the ventilation openings for dust accumulation. Use compressed air to gently clear dust from the vents, ensuring the Mini PC is powered off and unplugged.

8.2. Software Updates

- Regularly update your operating system to ensure you have the latest security patches and performance improvements.
- Check the TRIGKEY official website for updated drivers for your Mini PC's components (e.g., graphics, chipset, Wi-Fi).

9. WARRANTY AND SUPPORT

TRIGKEY is committed to providing quality products and customer satisfaction. Your TRIGKEY S5 Mini PC comes with a standard warranty. Please refer to the warranty card included in your package or visit the official TRIGKEY website for detailed warranty terms and conditions.

Technical Support:

For technical assistance, troubleshooting, or any questions regarding your Mini PC, please contact TRIGKEY customer support. Online after-sales service and lifelong technical support are provided.

- **Online Support:** Visit the official TRIGKEY website for FAQs, driver downloads, and support contact information.
- **Email Support:** Refer to your product documentation or the official website for the customer support email address.

Please have your product model (S5) and purchase information ready when contacting support.