TRIGKEY Speed S5 Pro R5-5560U

TRIGKEY Speed S5 Pro R5-5560U Mini PC User Manual

Model: Speed S5 Pro R5-5560U

1. INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your TRIGKEY Speed S5 Pro R5-5560U Mini PC. Please read it thoroughly before using the device.
The TRIGKEY Speed S5 Pro is a high-performance mini PC featuring an AMD Ryzen 5 5560U processor, designed for various applications including entertainment, office work, education, and light gaming. It supports multiple displays and offers advanced connectivity options.

Image: Overview of the TRIGKEY Speed S5 Pro Mini PC showcasing its compact design and key features like AMD Ryzen 5 5560U CPU, AMD Radeon Graphics, DDR4 RAM, M.2 NVME SSD, WiFi 6, and Bluetooth 5.2.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- TRIGKEY Speed S5 Pro Mini PC
- Power Adapter
- HDMI Cable
- User Manual (this document)
- Vesa Mount (may vary by region/bundle)

3. PRODUCT OVERVIEW

Familiarize yourself with the ports and components of your Mini PC.

Front Panel

AMD Ryzen™ 5 5560U

6コア12スレッド、最大4.0GHz

4.0GHz	**1600**MHz	**7**nm	**64**GB
CPU 6 コア 12 スレッド	グラフィックスカード 周波数	プロセッサー・テクノロジー CPU コア用	最大メモリ サイズ

Image: Front view of the Mini PC, highlighting the RTC Key, two USB 3.2 Gen2 ports, one Type-C port, an Earphone jack, and the Power button.

- **Power Button:** Press to turn on/off the PC.
- **Earphone Jack:** Connect headphones or external speakers.
- **Type-C Port:** For data transfer and display output.

- **USB 3.2 Gen2 Ports (x2):** Connect USB devices such as keyboards, mice, or external storage.
- **RTC Key (CLR CMOS):** Used to clear CMOS settings.

Rear Panel

Image: Rear view of the Mini PC, highlighting the LAN port, two USB 2.0 ports, one USB 3.2 Gen2 port, a DisplayPort (DP 1.4), an HDMI port (4K HD), and the Power adapter input.

- **LAN Port (1000Mbps):** Connect to a wired network.
- **USB 2.0 Ports (x2):** Connect USB devices.
- **USB 3.2 Gen2 Port (x1):** Connect high-speed USB devices.
- **DP 1.4 Port:** Connect to a display for video output (supports 4K@144Hz).
- **HDMI Port (4K HD):** Connect to a display for video and audio output (supports 4K@60Hz).
- **Power Adapter Input:** Connect the provided power adapter.

4. SETUP GUIDE

1. **Connect to a Display:** Use an HDMI or DisplayPort cable to connect the Mini PC to your monitor or TV.
2. **Connect Peripherals:** Plug in your USB keyboard and mouse into the available USB ports.
3. **Connect to Network:** For wired internet, connect an Ethernet cable to the LAN port. For wireless internet, ensure the Wi-Fi antennas (if external) are connected or that the internal Wi-Fi is enabled.
4. **Connect Power:** Plug the power adapter into the DC input port on the Mini PC, then plug the adapter into a power outlet.
5. **Power On:** Press the power button on the front panel to start the Mini PC.
6. **Initial Setup:** Follow the on-screen instructions to complete the operating system setup (e.g., Windows 11 Pro).

5. OPERATING INSTRUCTIONS

Power Management

- **Turning On:** Press the power button once.
- **Shutting Down:** Use the operating system's shutdown function. Alternatively, press and hold the power button for 5 seconds for a forced shutdown (not recommended for regular use).
- **Sleep Mode:** Briefly press the power button while the PC is on to enter sleep mode. Press again to wake.

Display Configuration

The Mini PC supports up to three displays simultaneously via HDMI, DisplayPort, and Type-C. To configure multiple displays:

- Connect your displays to the available video output ports.
- In Windows, right-click on the desktop and select "Display settings" to arrange and extend/duplicate your displays.

Network Connectivity

Your Mini PC supports both wired (Gigabit Ethernet) and wireless (Wi-Fi 6) connections, along with Bluetooth 5.2.

Image: The Mini PC highlighting its support for WiFi 6 and Bluetooth 5.2, indicating faster and more stable wireless connectivity.

- **Wi-Fi:** Access network settings in your operating system to connect to available Wi-Fi networks.
- **Bluetooth:** Enable Bluetooth in your operating system settings to pair with compatible devices like keyboards, mice, or headphones.

6. 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 ensure proper airflow and prevent overheating.
- Do not use liquid cleaners directly on the device.

Storage and RAM Upgrades

The Mini PC supports custom expansion for storage and RAM.

最後の「**Zen 3**」アーキテクチャ
Ryzen 5 5560Uミニ**PC**

- Up To 4.0GHz
- AMD Radeonグラフィックス
- 6 Core 12Threads
- AMD 設定可能な TDP: 10 〜 25W
- Maz 3200MHz DDR4/4267MHz LPDDR4x-4267

AMD Ryzen 5 5560U

Ryzen 5 5560U	3017
Core i7-10750H	2732
Core i7-9750H	2653
Core i7-7700K	2480
Core i7-1165G7	2169
Core i5-10300H	2125
Core i5-8300H	1689

0   100   400   700   1000   1300   1600   1900   2200   2500   2800   3100

Image: Diagram illustrating the DDR4 RAM module and M.2 NVME SSD, indicating upgrade possibilities. The device supports up to 64GB DDR4 RAM and an additional 2.5-inch SATA SSD (up to 2TB).

- The device comes with 16GB DDR4 RAM and a 500GB NVME SSD.
- RAM can be upgraded to a maximum of 64GB (3200MHz) using dual-channel configuration.
- An additional 2.5-inch SATA space is reserved for custom expansion, supporting up to 2TB.
- For upgrades, consult a qualified technician or refer to detailed online guides provided by TRIGKEY.

7. TROUBLESHOOTING

No Power

- Ensure the power adapter is securely connected to both the Mini PC and a working power outlet.
- Verify the power outlet is functional by plugging in another device.
- Try a different power adapter if available and compatible.

No Display Output

- Check that the HDMI/DisplayPort cable 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 display cable or monitor if possible.

Slow Performance

- Close unnecessary applications running in the background.
- Check for sufficient free storage space on the SSD.
- Ensure the Mini PC is well-ventilated and not overheating.

- Update drivers and the operating system.

Network Connectivity Issues

- For wired connections, check the Ethernet cable and router status.
- For Wi-Fi, ensure the Wi-Fi adapter is enabled and you are connected to the correct network with the correct password.
- Restart your router/modem and the Mini PC.

8. SPECIFICATIONS

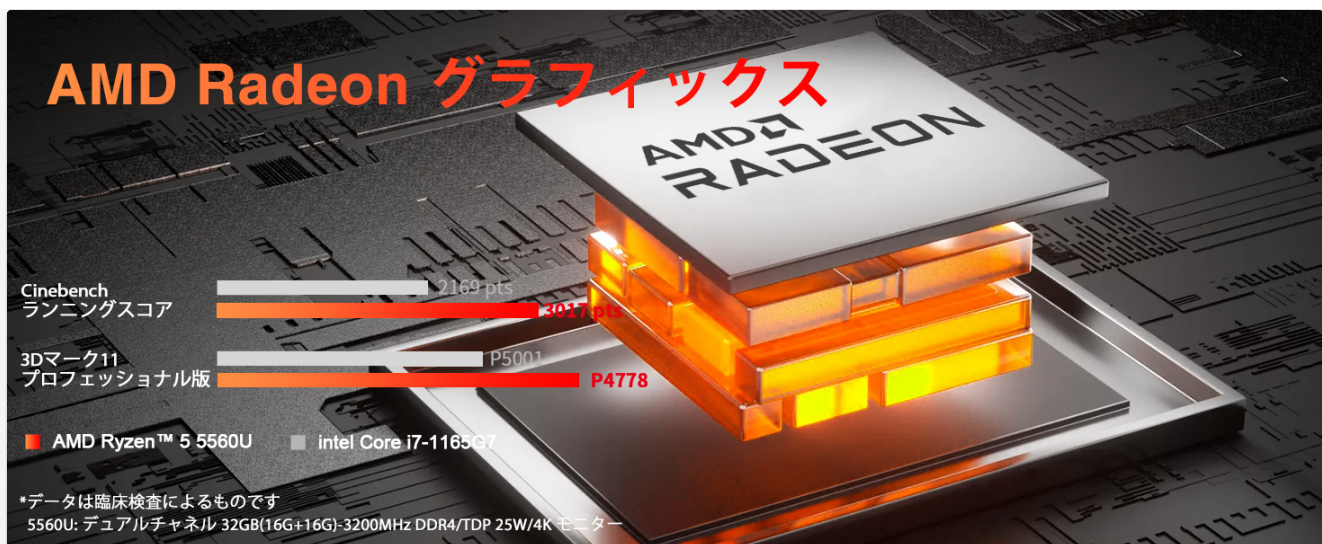| Feature	Detail
Brand	TRIGKEY
Model Number	Speed S5 Pro R5-5560U
Processor	AMD Ryzen 5 5560U (6 Cores, 12 Threads, up to 4.0 GHz)
Graphics	AMD Radeon Vega 6 Graphics (1600MHz)
RAM	16GB DDR4 SDRAM (Expandable to 64GB)
Storage	500GB M.2 NVME SSD (Supports additional 2.5-inch SATA SSD up to 2TB)
Wireless Connectivity	Wi-Fi 6, Bluetooth 5.2
Ports (Front)	2x USB 3.2 Gen2, 1x Type-C, 1x Earphone Jack, 1x RTC Key (CLR CMOS), 1x Power Button
Ports (Rear)	1x LAN (1000Mbps), 2x USB 2.0, 1x USB 3.2 Gen2, 1x DP 1.4 (4K@144Hz), 1x HDMI (4K@60Hz), 1x DC Power Input
Display Output	Supports Triple Display (HDMI, DP, Type-C)
Operating System	Pre-installed W11 Pro (Supports W10 Pro, Linux-Ubuntu, Chrome OS Flex)
Dimensions	22.6 x 13.6 x 5.9 cm
Weight	980 g

Image: Performance comparison chart for AMD Ryzen 5 5560U against other processors in Cinebench 20 multi-core scores.

Image: Benchmark results for AMD Radeon Graphics (Ryzen 5 5560U) compared to Intel Core i7-1165G7 in Cinebench and 3DMark 11 Professional Edition.

9. WARRANTY AND SUPPORT

All TRIGKEY products are qualified with PSE and other various Japanese testing standards. TRIGKEY provides lifetime technical support and 7-day/24-hour service.

If you have any questions or suggestions, please feel free to contact us. We also provide various documents and multilingual tutorials to meet the diverse needs of our customers.

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