

TRIGKEY S6 pro

TRIGKEY S6 Mini PC User Manual

MODEL: S6 PRO

1. Introduction

Welcome to the user manual for your new TRIGKEY S6 Mini PC. This compact yet powerful computer is designed for a wide range of applications, from everyday computing and business tasks to multimedia consumption and light gaming. This manual provides essential information on setting up, operating, maintaining, and troubleshooting your device to ensure optimal performance and longevity.



Front view of the TRIGKEY S6 Mini PC, showcasing its compact design and key features.

2. Setup

2.1 Package Contents

- 1*mini pc

2.2 Initial Setup

Before powering on your TRIGKEY S6 Mini PC, ensure all necessary peripherals are connected:

1. **Connect Display:** Use an HDMI, DisplayPort (DP 1.4), or USB-C cable to connect your monitor(s) to the corresponding ports on the Mini PC.
2. **Connect Peripherals:** Plug in your keyboard, mouse, and any other USB devices into the available USB 3.2, USB 2.0, or USB4.0 ports.
3. **Connect Network:** For a wired connection, plug an Ethernet cable into the 2.5G RJ45 port. For wireless, ensure your Wi-Fi network is available.
4. **Connect Power:** Plug the power adapter into the DC Jack on the Mini PC, then connect it to a power outlet.

2.3 First Boot

Press the power button located on the front of the Mini PC. The system comes pre-installed with Windows 11 Pro. Follow the on-screen instructions to complete the initial Windows setup, including language, region, network connection, and user account creation.

3. Operating Instructions

3.1 Key Features

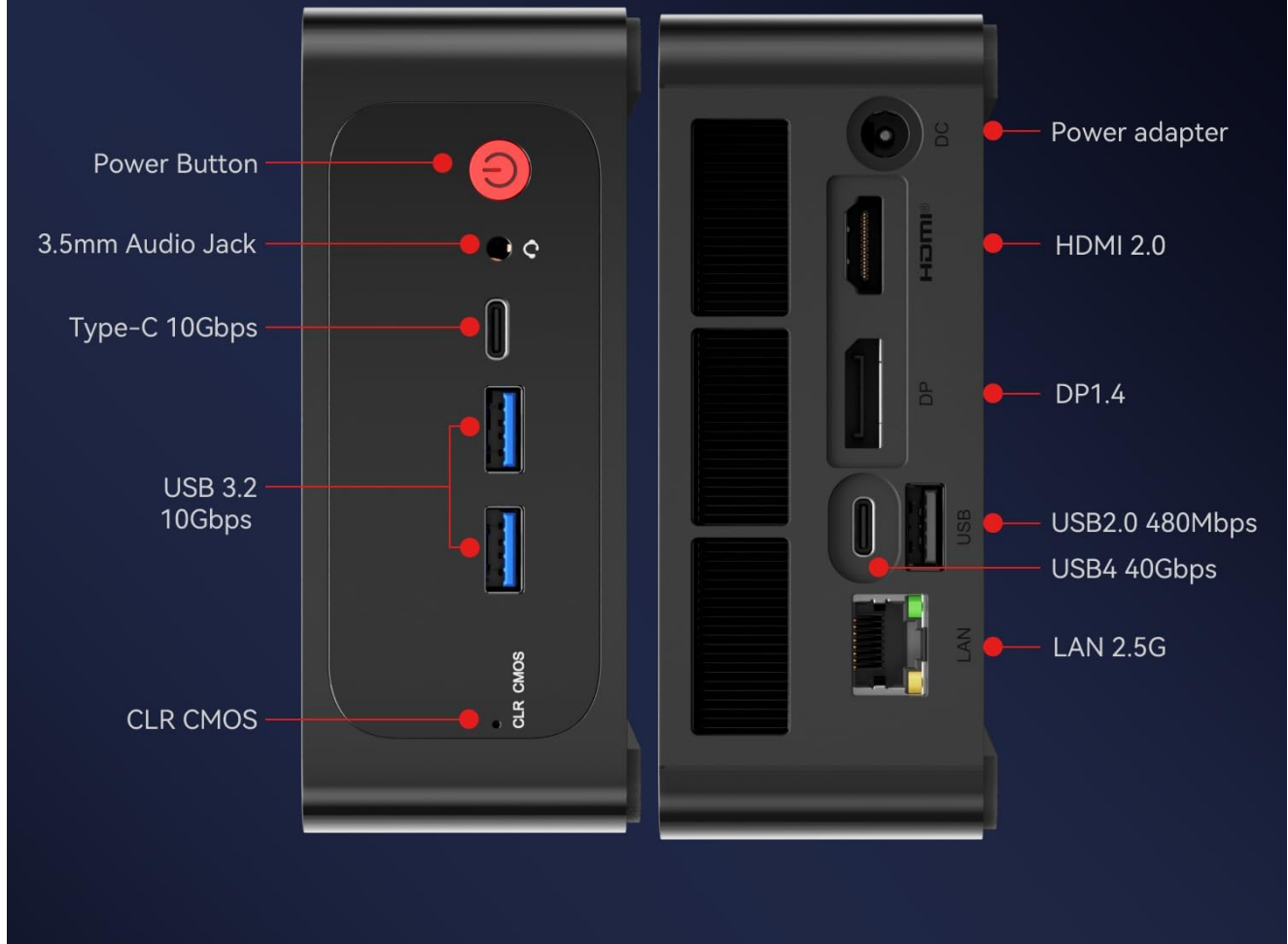
- **Processor:** Zen 3+ 8C16T Ryzen 9 6900HX CPU (3.2GHz base, up to 4.9GHz turbo, 8 cores, 16 threads, 8MB Smart Cache).
- **Graphics:** AMD Radeon Graphics with 12 cores and a clock speed of 2700MHz.
- **Display Support:** Triple 4K@120-144Hz displays via DP 144Hz+HDMI+Type-C port.
- **Memory:** 16GB DDR5 4800MHz (expandable up to 32GB*2).
- **Storage:** 500GB PCIE4.0 NVMe SSD (MAX 3000MB/S).
- **Connectivity:** WiFi 6, Bluetooth 5.2, 2.5G RJ45 LAN.
- **Ports:** 1*DP 1.4, 1 USB4.0, 2 USB3.2 10Gbps, 1 USB2.0, 1 USB-C, 1 DC Jack, 1 RJ45 2.5G, 3.5mm Audio Jack (HP&MIC).

3.2 Port Overview

The TRIGKEY S6 Mini PC offers a comprehensive set of ports for versatile connectivity:

Wide Range of Interfaces

Rich interfaces meet all kinds of needs



Detailed view of the front and rear ports on the Mini PC.

Port Type	Quantity	Description
Power Button	1	To power on/off the device.
3.5mm Audio Jack (HP&MIC)	1	For headphones and microphone.
Type-C (10Gbps)	1	High-speed data transfer and display output.
USB 3.2 (10Gbps)	2	High-speed USB ports for peripherals.
CLR CMOS	1	Clear CMOS button.
Power Adapter (DC Jack)	1	Connects to the power supply.
HDMI 2.0	1	Video output for displays.
DP 1.4	1	DisplayPort for high-resolution video output.
USB 2.0 (480Mbps)	1	Standard USB port.

Port Type	Quantity	Description
USB4.0 (40Gbps)	1	High-speed USB4.0 port.
LAN 2.5G	1	2.5 Gigabit Ethernet port for wired network.

3.3 Display Configuration

The TRIGKEY S6 Mini PC supports up to three 4K displays simultaneously, providing an expansive workspace or immersive entertainment experience. Connect your displays using the available DP 1.4, HDMI, and USB-C ports.

8Core 16Thread TRIGKEY Gaming Mini PC

AMD Ryzen 9 6900HX(8Cores/16Thraeds, Up to 4.90GHz)



AMD Ryzen 9 6900HX

AMD Radeon™ 680M 12 CUs

WOS

16GB DDR5 4800MHz MAX 64GB

500GB PCIe 4.0 X4 SSD MAX 2TB

4K@120Hz/144Hz

Triple Screens Display DP+HDMI+USB-C

WiFi 6 Bluetooth 5.2

RJ45 2.5G Mbps

Triple display setup for enhanced productivity and multitasking.

3.4 Network Connectivity

Your Mini PC offers both wired and wireless network options for flexible internet access:

- **Wired:** Utilize the 2.5G RJ45 port for a stable and high-speed wired connection.
- **Wireless:** Integrated WiFi 6 (802.11ax) provides fast and reliable wireless internet. Bluetooth 5.2 allows for seamless connection to wireless peripherals.

AMD Radeon 680M Graphics

12CU

GPU cores

2400MHz

Graphics frequency



AMD RADEON GRAPHICS

3DMark Time Spy benchmark

Radeon 680M Integrated Graphics@R9 6900HX	
MX570 Discrete Graphics	
MX450 Discrete Graphics	
Radeon Vega Integrated Graphics@R7 5800H	

standard of reference

raise approximately 1.76x

Enjoy broad network coverage with Wi-Fi 6 technology.

4. Maintenance

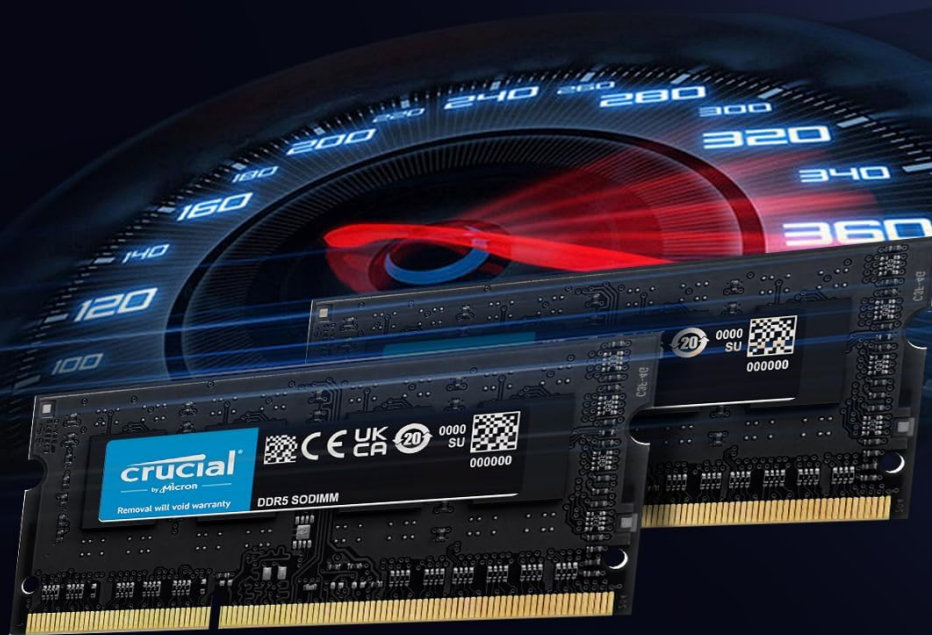
4.1 Storage and Memory Expansion

The TRIGKEY S6 Mini PC allows for easy upgrades to its memory and storage components. It supports up to 64GB of DDR5 4800MHz RAM (via two 32GB modules) and features dual M.2 2280 PCIe 4.0 SSD slots, each supporting up to 4TB.

DDR5 4800MHz

Supports up to single channel 32GB or dual channel 64GB DDR5 4800MHz

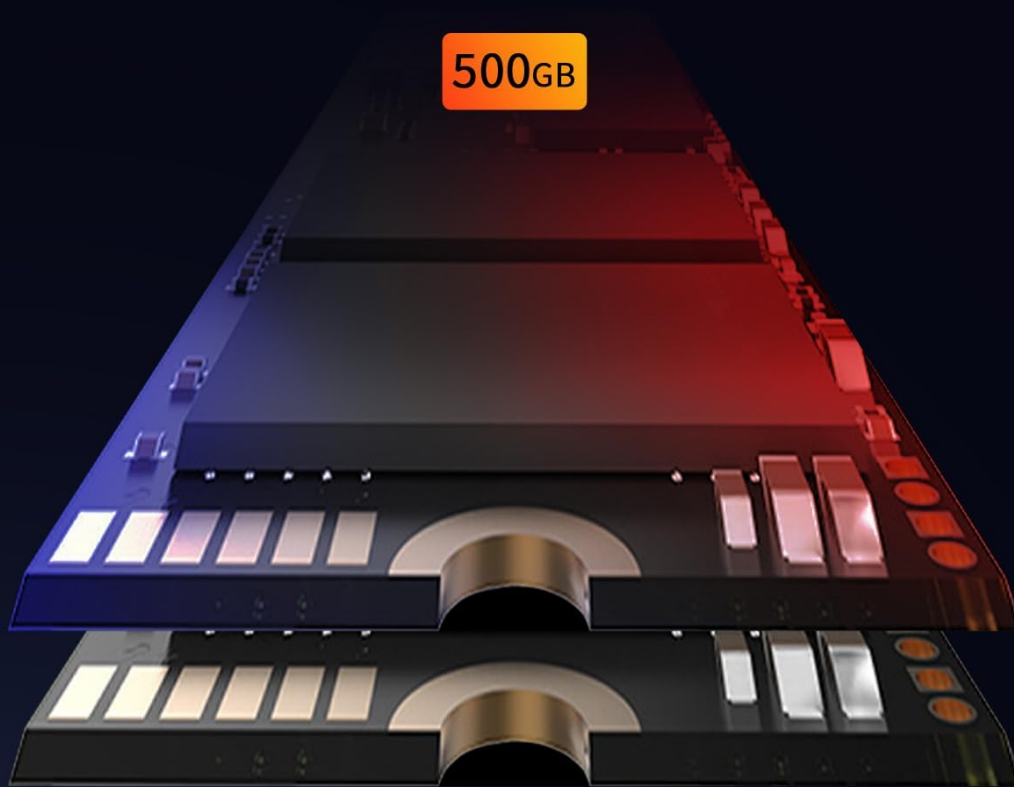
Optional dual channel **32GB**



DDR5 4800MHz RAM modules for high-speed performance.

Dual PCIe 4.0 NVMe SSDs

Stable performance.High speed.Low latency.



PCIe 4.0 X4

Dual PCIe 4.0 NVMe SSDs for stable, high-speed storage.

4.2 Heat Dissipation

The Mini PC features an optimized heat dissipation design, including an ABS frame, two copper tubes, an upgraded aluminum plate, and a fan, ensuring quiet and efficient operation.

Heat Dissipation Upgrade-System Fan

The system fan accelerates the air flow, providing efficient cooling for the RAM and the SSD.

Improved overall performance with DDR and SSD cooling

↑ 19%

Upgraded heat dissipation

General cooling

Baseline



Internal view illustrating the heat dissipation system.

4.3 Component Access and Upgrade Guide

The following video demonstrates how to access the internal components of your TRIGKEY S6 Mini PC for upgrades or maintenance, such as replacing RAM or SSDs. Please ensure the device is powered off and unplugged before attempting any internal modifications.

Official video guide on disassembling and upgrading the TRIGKEY S6/S6 Pro Mini PC.

5. Troubleshooting

5.1 Common Issues and Solutions

- **No Display:** Ensure all display cables (HDMI, DP, USB-C) are securely connected to both the Mini PC and the monitor. Try a different cable or monitor if possible.
- **No Power:** Verify the power adapter is correctly plugged into the Mini PC and a working power outlet. Check if the power button lights up.
- **Slow Performance:** Check for background applications consuming resources. Ensure sufficient free storage

space. Consider upgrading RAM or SSD if performance issues persist.

- **Network Connectivity Issues:** For wired connections, check the Ethernet cable and router. For Wi-Fi, ensure the Wi-Fi adapter is enabled in Windows settings and you are connected to the correct network. Try restarting your router.
- **Fan Noise:** While the device is designed for quiet operation, high CPU/GPU loads can increase fan speed. Ensure proper ventilation around the Mini PC.

For specific issues like setting up automatic startup, please contact TRIGKEY customer service with the barcode on the bottom of your Mini PC for tutorial files.

6. Specifications

6.1 Technical Specifications

Feature	Detail
Screen Resolution	3840 x 2160
Max Screen Resolution	3840 x 2160 pixels
Processor	4.9 GHz ryzen_9 (Ryzen 9 6900HX)
RAM	16 GB DDR5
Memory Speed	4800 MHz
Hard Drive	500 GB SSD (PCIe4.0 NVMe)
Graphics Coprocessor	AMD Radeon Graphics
Chipset Brand	AMD
Card Description	Integrated
Graphics Card Ram Size	512.00 MB
Wireless Type	802.11ax (WiFi 6)
Number of USB 2.0 Ports	1
Number of USB 3.0 Ports	2
Item model number	S6 pro
Hardware Platform	PC
Operating System	Windows 11 Pro (pre-installed)
Item Weight	2.48 pounds
Package Dimensions	6.3 x 5.47 x 4.17 inches
Color	Black
Date First Available	March 15, 2023

7. Warranty and Support


7.1 Warranty Information

TRIGKEY products are backed by quality assurance and certifications:





- FCC, CE, and ROSH certifications.
- 1-Year Warranty.
- 30 days no reason to return.
- Replacement available within 12 months.

7.2 Customer Support

TRIGKEY is committed to providing excellent customer service and technical support. Our team is available to assist you with any inquiries or issues you may encounter.



TRIGKEY Professional Team

-  Fulfillment by Amazon
-  Fulfillment Techni*cal Support
-  7x24H Professio*nal Service
-  30 days fr*ee return
1-Year warr*anty

TRIGKEY Professional Team is dedicated to customer satisfaction.

For support, you can typically find contact information on the official TRIGKEY website or through your purchase platform. They offer installation files, tutorials, user guides, drivers, firmware, and BIOS updates.

What will TRIGKEY offer the G12 ?



-  Installation file
-  Tutorial
-  User Guide
-  Driver
-  Firmware and Bios

Resources provided by TRIGKEY for product support.