

TRIGKEY Speed S5 5500 16+500

TRIGKEY S5 Pro Max Mini PC User Manual

Model: Speed S5 5500 16+500 | Brand: TRIGKEY

INTRODUCTION

The TRIGKEY S5 Pro Max Mini PC is a compact and powerful desktop computer designed for a wide range of applications, from everyday office tasks to demanding multimedia and light gaming. Featuring an AMD Ryzen 7 5700U processor, 16GB DDR4 RAM, and a 500GB NVMe SSD, this micro computer delivers efficient performance. Its versatile connectivity options, including support for 4K triple display output, WiFi 6, and Bluetooth 5.2, ensure a seamless user experience. This manual provides essential information for setting up, operating, and maintaining your TRIGKEY S5 Pro Max Mini PC.

SETUP GUIDE

Follow these steps to set up your TRIGKEY S5 Pro Max Mini PC for the first time.

1. Unpacking and Component Check

Carefully remove all components from the packaging. Ensure you have the following items:

- 1 x TRIGKEY S5 Pro Max Mini PC
- 1 x Power Adapter
- 1 x User Manual (this document)
- 1 x VESA Mount with Screws
- 2 x HDMI Cables (100CM & 25CM)



Figure 1: TRIGKEY S5 Pro Max Mini PC and its included accessories, including the power adapter, user manual, VESA mount, and two HDMI cables.

2. Connecting Peripherals

Connect your monitor(s), keyboard, and mouse to the Mini PC. The device supports triple display output via HDMI, DisplayPort (DP), and Type-C ports.

- **Monitors:** Connect your monitor(s) using the provided HDMI cables or your own DP/Type-C cables. The Mini PC supports up to three displays simultaneously.
- **Keyboard & Mouse:** Connect your USB keyboard and mouse to the available USB 3.2 Gen2 or USB 2.0 ports.
- **Network:** For wired internet access, connect an Ethernet cable to the RJ45 1000Mbps LAN port. For wireless, ensure WiFi 6 is enabled.
- **Audio:** Connect speakers or headphones to the audio jack.



Figure 2: Overview of the convenient interfaces on the TRIGKEY S5 Pro Max Mini PC, including USB 3.2 Gen2, Type-C, DP 1.4, HDMI 2.0, USB 2.0, LAN, and Audio Jack.

3. Powering On

Connect the power adapter to the DC-in port on the Mini PC, then plug the adapter into a power outlet. Press the power button located on the front of the device. The power indicator light will illuminate, and the system will begin to boot.



Figure 3: The TRIGKEY S5 Pro Max Mini PC, highlighting its compact design and accessible ports for easy setup.

4. Initial Display Setup

Upon first boot, the operating system (Windows 10 Pro) will guide you through the initial setup process. If you are connecting multiple monitors, the system should automatically detect them. You can configure display settings (e.g., extend, duplicate) within the operating system's display settings.

Your browser does not support the video tag.

Video 1: This video demonstrates the ease of setting up dual monitors with the TRIGKEY S5 Pro Max Mini PC, showing the connection process and automatic display detection.

The TRIGKEY S5 Pro Max Mini PC is pre-installed with Windows 10 Pro, providing a familiar and user-friendly operating environment. Its powerful hardware ensures smooth performance for various tasks.

1. Performance Overview

Equipped with an AMD Ryzen 7 5700U processor (8 Cores, 16 Threads, up to 4.30GHz) and AMD Radeon Graphics 8 CUs, the Mini PC offers robust performance for multitasking, content creation, and entertainment. The 16GB DDR4 3200MHz RAM (expandable up to 64GB) and 500GB NVMe SSD (configurable up to 2TB) contribute to fast boot times and responsive application loading.



Figure 4: Detailed specifications of the AMD Ryzen 7 5700U processor, highlighting its base and turbo frequencies, core/thread count, graphics card frequency, and processor technology.

8
Cores

16
Threads

4.3 GHz
Max turbo Frequency

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



1900 MHz
AMD Ryzen™ Graphics 8 CUs
Graphics Capabilities

DDR4 **3200 MHz**
Max Dual channel 64G



Dual fan design

- 1.CPU fan cooling
- 2.System fan cooling

M.2 2280 PCIe3.0X4 slot,
support SSD of up to
2TB storage



Wi-Fi 6
+
Bluetooth 5.2
Faster and more stable

Three-screen display
DP+HDMI+Type-c



Figure 5: Key features of the Mini PC, including its plastic body, dual fan design for cooling, M.2 2280 PCIe3.0X4 slot for SSD, Wi-Fi 6, Bluetooth 5.2, and triple-screen display support.

AMD Ryzen™ 7 5700U

CPU Performance Comparison Of Single Core And Multi-Core
Comparison Test Score By Cinebench R20

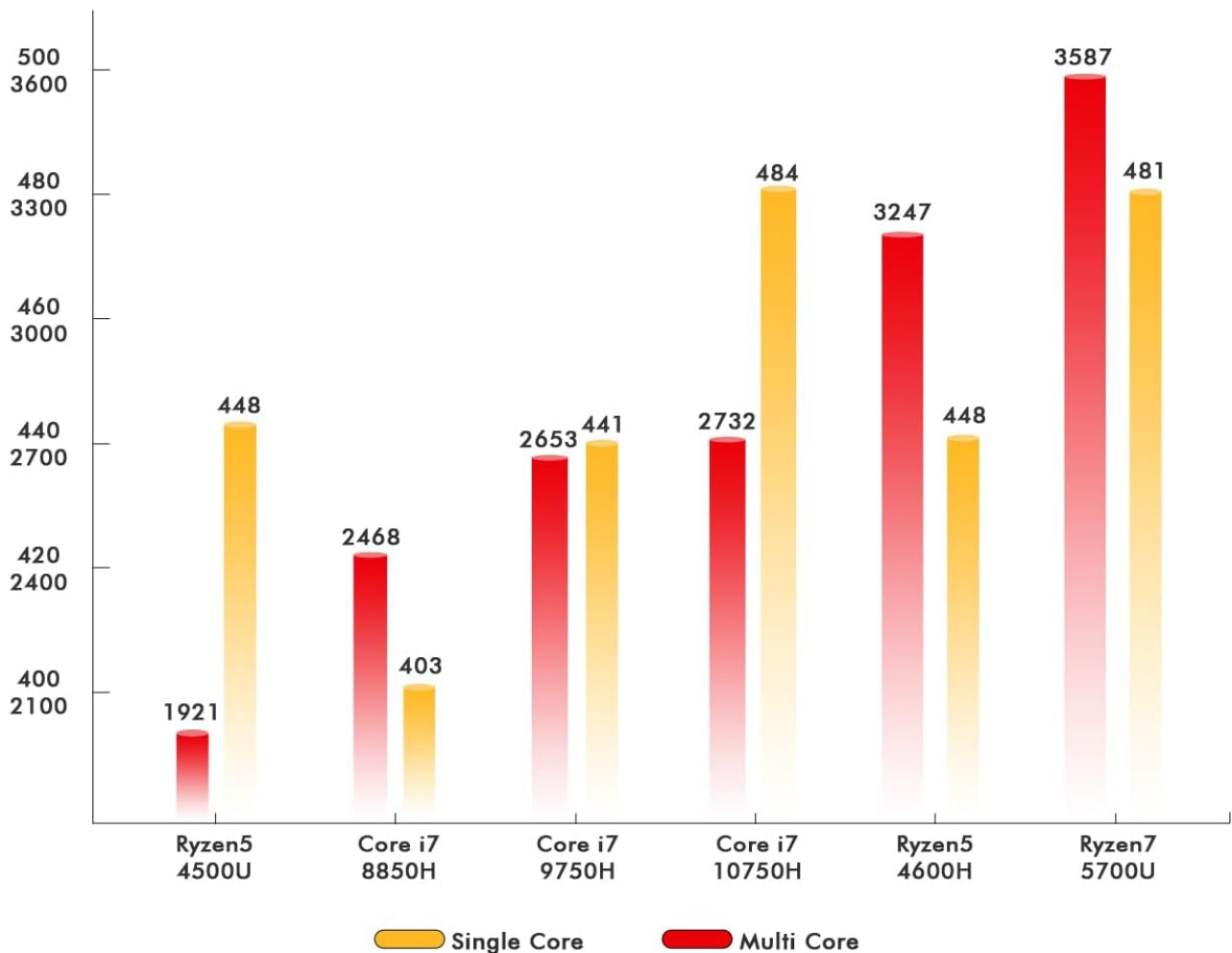


Figure 6: A bar chart comparing the single-core and multi-core CPU performance of the AMD Ryzen 7 5700U against other processors based on Cinebench R20 scores.

2. Storage and Memory

The Mini PC comes with a 500GB M.2 2280 NVMe SSD for high-speed storage. It also supports expansion up to 2TB. The system includes 16GB of DDR4 3200MHz SO-DIMM RAM, with two available slots supporting up to 64GB for enhanced multitasking and gaming performance.

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

Equipped with SO-DIMM DDR4 3200MHz

Optional Dual Channel 16GB(8Gx2)

32GB(16Gx2) 3200MHz DDR4

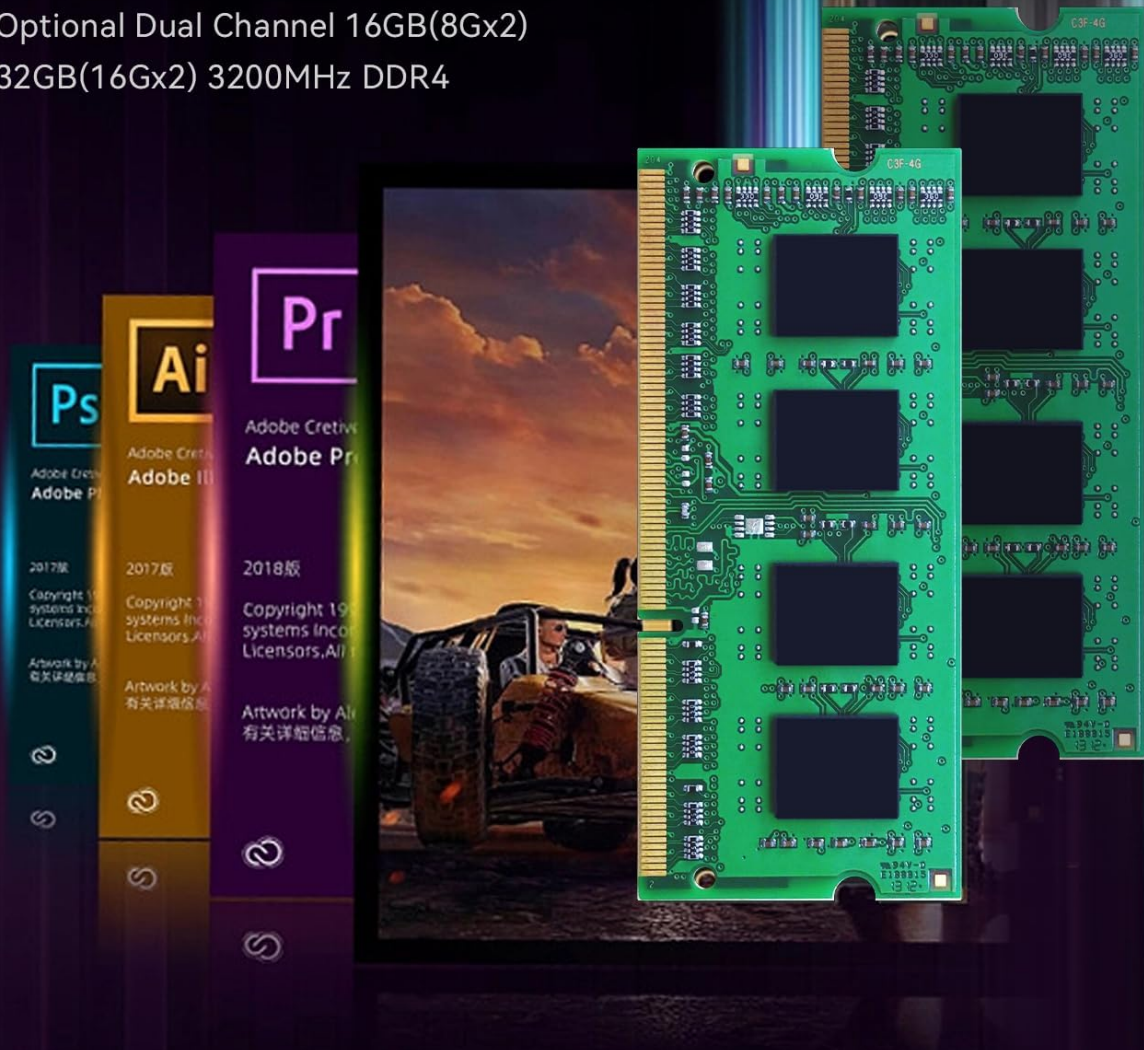


Figure 7: Illustration showing the SO-DIMM DDR4 3200MHz RAM modules and the capability to support up to 64GB, enhancing performance for demanding applications like Adobe Photoshop and Illustrator.

Faster and more stable data transfer

Optional: **500GB** M.2 2280 NVMe SSD

Configurable to **2TB**



Figure 8: Visual representation of the M.2 2280 NVMe SSD, emphasizing its fast and stable data transfer capabilities and upgrade potential up to 2TB.

3. Usage Scenarios

The TRIGKEY S5 Pro Max Mini PC is versatile and suitable for various applications:

- **Office Work:** Efficiently handle documents, spreadsheets, and presentations.
- **Online Conference:** Smooth video conferencing with stable network connectivity.
- **Video Editing & Music Making:** Process multimedia content with ease thanks to powerful CPU and ample RAM.
- **Gaming:** Enjoy light to moderate gaming with integrated AMD Radeon Graphics.
- **Home Theater:** Connect to your TV for 4K media consumption.
- **Stock Trading & School Homework:** Reliable performance for analytical and educational tasks.

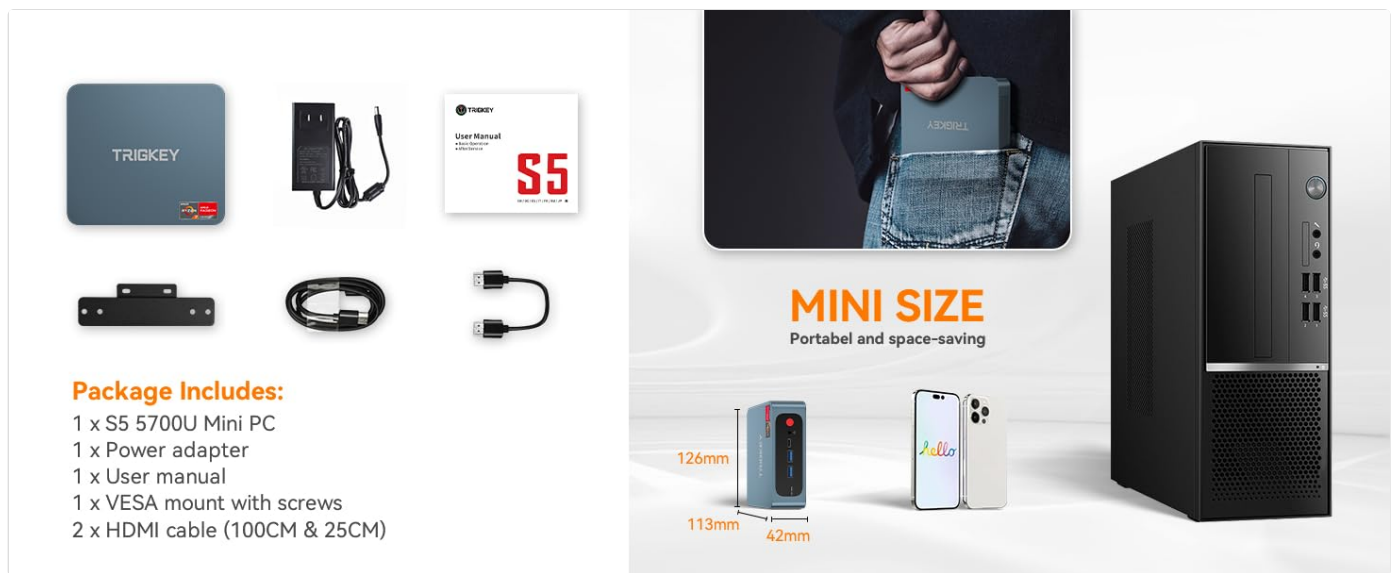


Figure 9: Visual examples of the Mini PC's diverse applications, including gaming, online conferences, office work, video editing, school homework, home theater, music making, and stock trading.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Mini PC.

1. Cleaning

Regularly clean the exterior of the Mini PC with a soft, dry cloth. For dust accumulation in vents, use compressed air. Ensure the device is powered off and unplugged before cleaning.

2. Software Updates

Keep your operating system and drivers updated to ensure stability, security, and optimal performance. Windows Update can be accessed through the system settings.

3. Hardware Upgrades

The TRIGKEY S5 Pro Max Mini PC supports RAM and SSD upgrades. For RAM, it has two SO-DIMM slots, allowing for an upgrade up to 64GB DDR4 3200MHz. The M.2 2280 NVMe SSD can be upgraded to a larger capacity, up to 2TB. Additionally, there is a 2.5-inch SATA HDD slot for further storage expansion. When performing upgrades, ensure the device is powered off and unplugged, and refer to detailed guides or seek professional assistance if unsure.

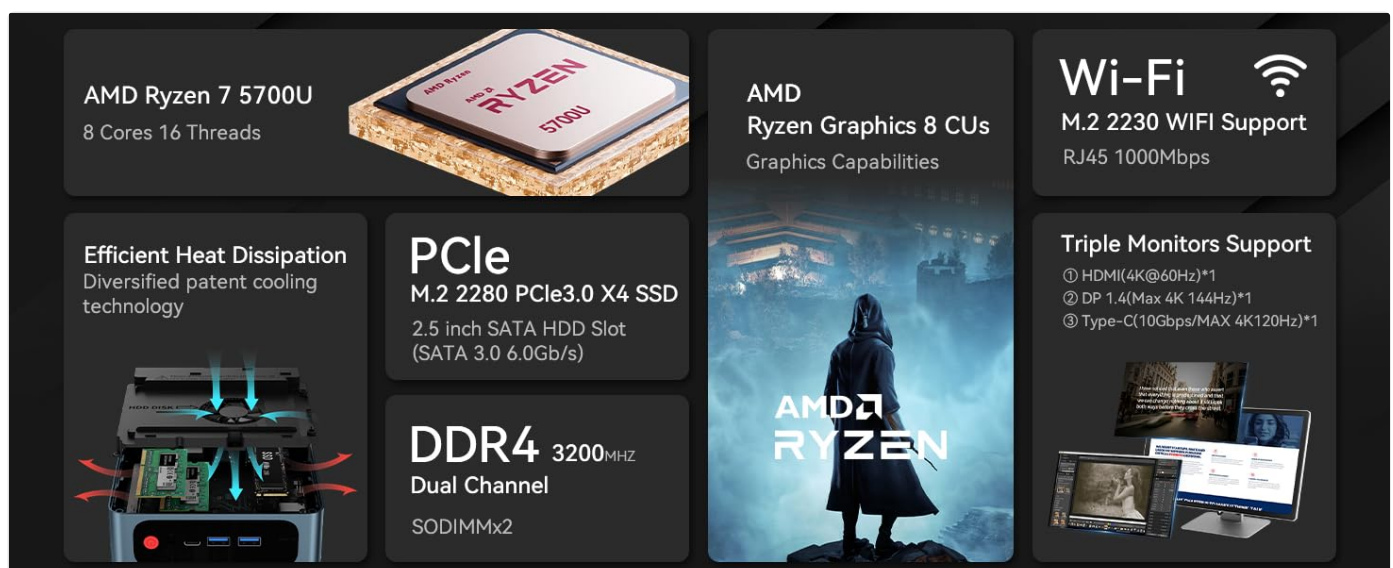


Figure 10: An internal view of the Mini PC, illustrating its efficient heat dissipation technology, M.2 2280 PCIe3.0 X4 SSD slot, and DDR4 dual-channel SODIMM slots for potential upgrades.

TROUBLESHOOTING

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

1. No Display Output

- **Check Cables:** Ensure all display cables (HDMI, DP, Type-C) are securely connected to both the Mini PC and the monitor.
- **Power Cycle:** Turn off the Mini PC, unplug the power adapter, wait 10 seconds, then plug it back in and power on.
- **Monitor Input:** Verify that your monitor is set to the correct input source (e.g., HDMI 1, DisplayPort).
- **Single Monitor Test:** If using multiple monitors, try connecting only one monitor to isolate the issue.

2. System Not Powering On

- **Power Connection:** Ensure the power adapter is firmly connected to the Mini PC and the wall outlet.
- **Power Outlet:** Test the power outlet with another device to confirm it is working.
- **Power Button:** Press and hold the power button for a few seconds.

3. Slow Performance

- **Close Unused Applications:** Close any unnecessary programs running in the background.
- **Check Storage:** Ensure your SSD has sufficient free space.
- **Updates:** Perform Windows updates and driver updates.
- **Cooling:** Ensure the Mini PC's vents are not obstructed to allow for proper airflow and prevent overheating.

SPECIFICATIONS

Feature	Specification
Brand	TRIGKEY
Model Name	Speed S5
Item Model Number	Speed S5 5500 16+500
Operating System	Windows 10 Pro (Pre-installed)
Processor	AMD Ryzen 7 5700U (8 Cores, 16 Threads, 1.80GHz Base, 4.30GHz Max Turbo)
Graphics Coprocessor	AMD Radeon Vega 8 Graphics
RAM	16GB DDR4 3200MHz (2 SO-DIMM slots, expandable to 64GB)
Hard Drive	500GB NVMe SSD (M.2 2280 PCIe3.0X4, configurable to 2TB)
Additional Storage	2.5-inch SATA HDD Slot
Max Screen Resolution	3840 x 2160 pixels (4K)

Feature	Specification
Display Output	HDMI (4K@60Hz), DisplayPort (4K@144Hz), Type-C (10Gbps/Max 4K@120Hz) - Triple Display Support
Wireless Connectivity	WiFi 6, Bluetooth 5.2
Wired Connectivity	RJ45 1000Mbps LAN
USB Ports	3x USB 3.2 Gen2 (10Gbps), 1x USB 2.0 (480Mbps)
Audio Jack	1x Audio Jack
Item Weight	2.16 pounds
Package Dimensions	9.09 x 5.35 x 2.48 inches

WARRANTY AND SUPPORT

TRIGKEY is committed to providing excellent customer service and support for its products.


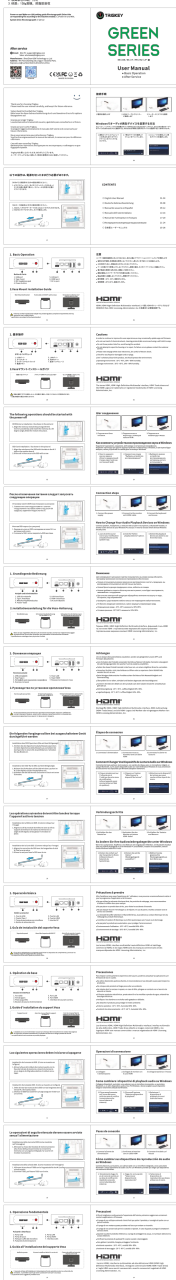
- **24-Hour Quick Reply:** Expect a response to your inquiries within 24 hours.
- **30-Day No Reason to Return:** Enjoy a 30-day return policy for any reason.
- **12-Month Replacement:** A replacement is available within 12 months of purchase for eligible issues.
- **Lifetime After-Sales Service and Technical Support:** Benefit from long-term support for your product.




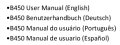
For further assistance, please refer to the contact information provided on the official TRIGKEY website or through your purchase platform.



Figure 11: Icons representing TRIGKEY's customer support commitments: 24-hour quick reply, 30-day no-reason return, 12-month replacement, and lifetime after-sales service and technical support.



	<p>TRIGKEY G2 GREEN Mini PC User Manual - Setup, Operation, and Support</p> <p>Comprehensive user manual for the TRIGKEY G2 GREEN Mini PC, covering basic operation, VESA mount installation, component installation (RAM, SSD), connection steps, audio device configuration, troubleshooting, and after-service information.</p>
	<p>TRIGKEY Green G5 Mini PC User Manual</p> <p>User manual for the TRIGKEY Green G5 Mini PC featuring Intel 12th Gen Alder Lake-N100 CPU, 16GB DDR5 RAM, 500GB NVMe SSD, Dual 2.5G LAN, Wi-Fi 6, and Bluetooth 5.2.</p>

	<p>TRIGKEY S3 USB Flash Drive User Manual - 2A4J2-S3</p> <p>Official user manual for the TRIGKEY S3 USB flash drive (model 2A4J2-S3) by ShenZhen AZW Technology CO.,LTD. Provides product details and usage information.</p>
	<p>How to Create a Bootable Windows 10 USB and Install Windows</p> <p>A comprehensive guide on creating a bootable Windows 10 USB drive using Microsoft's Media Creation Tool and performing a clean installation on a PC, including boot selection and drive management.</p>
	<p>HP ProBook 465 16 inch G11 Notebook PC: Technical Specifications and Features</p> <p>Detailed technical specifications, features, and options for the HP ProBook 465 16 inch G11 Notebook PC, including processor, display, storage, memory, and connectivity options.</p>
	<p>MACHINIST B450 Motherboard User Manual: Installation & Setup Guide</p> <p>This user manual provides comprehensive guidance for the MACHINIST B450 motherboard. It covers detailed specifications, component identification, step-by-step installation instructions for CPU, memory, and expansion cards, explanations of internal and back panel I/O ports, BIOS setup procedures, and a troubleshooting FAQ section. Designed for AMD Ryzen processors with AM4 socket, it supports DDR4 memory and NVMe M.2 storage.</p>