

## TRIGKEY Key I13

# TRIGKEY Key I13 Mini PC User Manual

Model: Key I13 with Intel Core i9-13900HK, 32GB DDR5 RAM, 1TB M.2 SSD

## 1. INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your TRIGKEY Key I13 Mini PC. Please read this guide thoroughly before using the device to ensure optimal performance and longevity. Keep this manual for future reference.



Image 1.1: Front and rear view of the TRIGKEY Key I13 Mini PC, showcasing its compact design and various ports.

## 2. PACKAGE CONTENTS

Upon unpacking, please verify that all items listed below are present and in good condition:

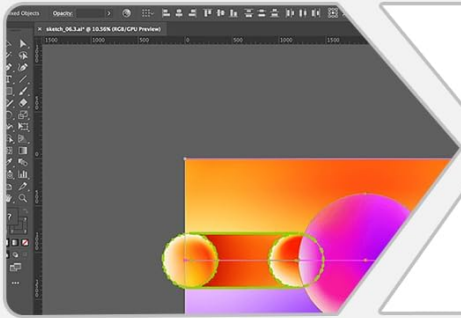
- TRIGKEY Key I13 Mini PC
- Power Adapter
- HDMI Cable
- User Manual (this document)
- VESA Mount (optional, may vary by package)

## 3. PRODUCT OVERVIEW

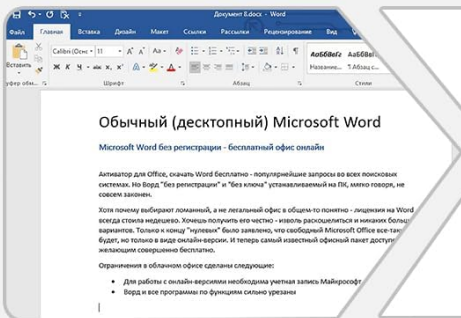
### 3.1 External Interfaces

The TRIGKEY Key I13 Mini PC features a comprehensive set of ports for connectivity. Refer to the diagram below for port identification and function.

# What can Key i13 do?



## Graphic/Web Design & R&D/Programming



## Business Productivity



## Video Editing/Livestreaming/Content Creation



Image 3.1: Detailed view of the TRIGKEY Key I13 Mini PC's front and rear ports.

- **Front Panel:** USB 3.2 10Gbps, USB-C 3.2 10Gbps, 3.5mm Audio Jack, Power Button, CLR CMOS Button.
- **Rear Panel:** DC IN (Power Input), 3.5mm Audio Jack, Thunderbolt 4 (40Gbps/DP1.4), HDMI 4K 60Hz, DP1.4 4K 144Hz, 3x USB 3.2 10Gbps, LAN 2.5G.

## 3.2 Key Internal Components

The Key I13 Mini PC is engineered for high performance and efficiency.

# Work More Efficiently

## Intel® Core™ i9-13900HK Processor

**5.4**GHz

Max Turbo Frequency

**14** Cores

Number of CPU Cores

**20** Threads

24MB Intel® Smart Cache

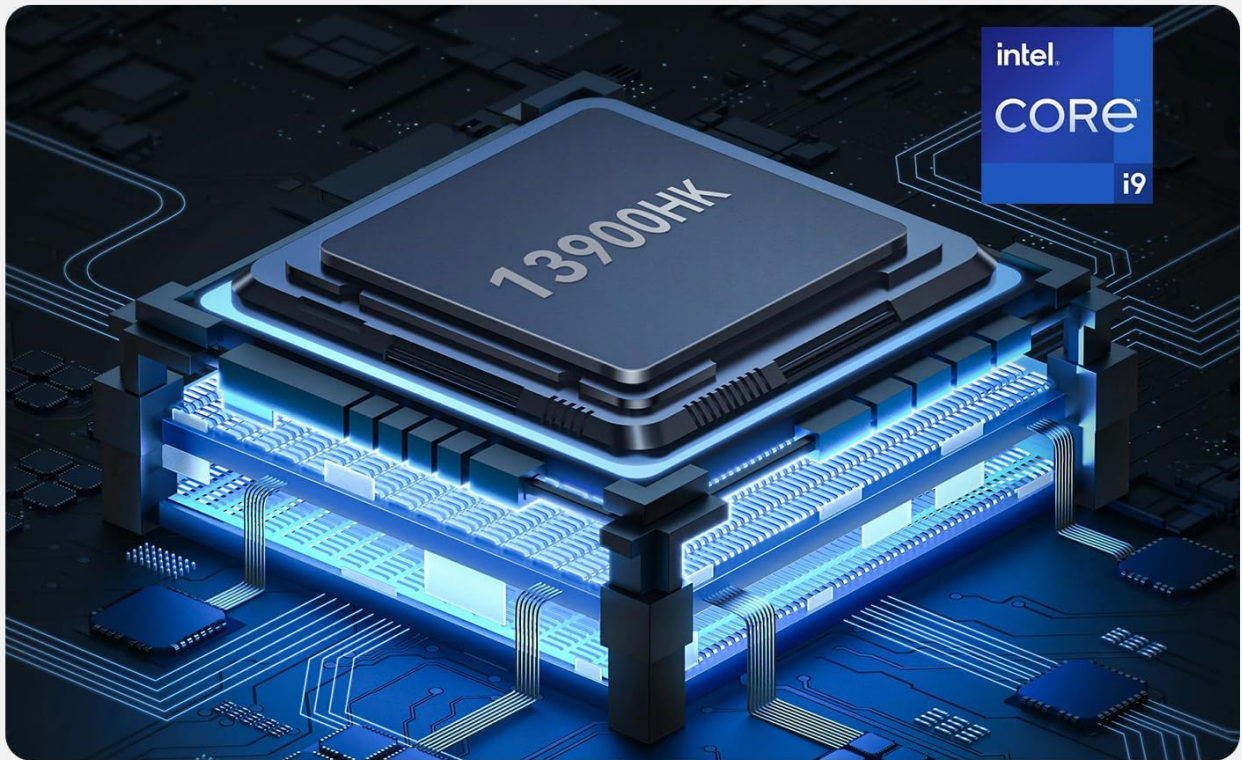


Image 3.2: Visual representation of the Intel Core i9-13900HK processor, highlighting its 14 cores and 5.4GHz max turbo frequency.

- **Processor:** Intel Core i9-13900HK with 14 Cores, 20 Threads, and a Max Turbo Frequency of 5.4GHz.
- **Graphics:** Integrated Intel Iris Xe Graphics, capable of dynamic frequencies up to 1.5GHz.



# Dual-Channel DDR5 5200MHz

Supports up to 96GB (2x48GB) DDR5 5200MHz RAM

Optional: 32GB (2x16GB)

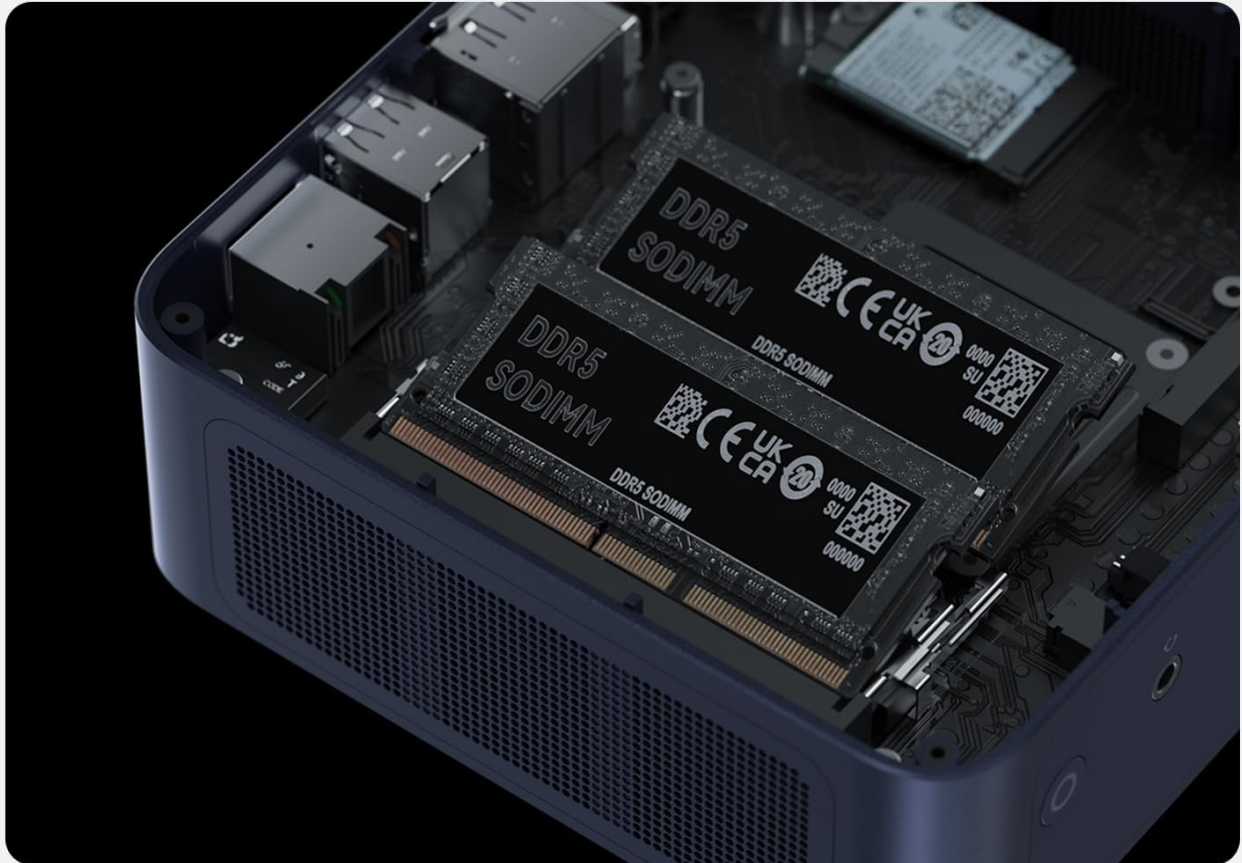


Image 3.3: Internal view showing the dual-channel DDR5 SODIMM slots, supporting high-speed memory.

- **Memory:** 32GB Dual-Channel DDR5 5200MHz RAM, expandable up to 96GB (2x48GB).

# Large-capacity storage expansion with dual M.2 PCIe4.0 slots

Equipped with two M.2 2280 PCIe 4.0 x4 slots, each supporting up to 4TB – for a total of 8TB storage!

**Optional: 1TB (single module)**



Image 3.4: Internal view displaying the dual M.2 2280 PCIe 4.0 x4 slots for high-speed storage.

- **Storage:** 1TB M.2 SSD (single module), with dual M.2 2280 PCIe 4.0 x4 slots supporting up to 4TB each, for a total of 8TB storage expansion.

## 4. SETUP GUIDE

Follow these steps to set up your TRIGKEY Key I13 Mini PC:

1. **Connect Peripherals:** Connect your monitor(s) to the HDMI, DisplayPort (DP), or Thunderbolt 4 ports. Connect your keyboard and mouse to the available USB ports.
2. **Connect to Network:** For a wired connection, plug an Ethernet cable into the 2.5G LAN port. For wireless, ensure Wi-Fi antennas are connected (if external) or that the internal Wi-Fi is enabled.
3. **Connect Power:** Plug the power adapter into the DC IN port on the Mini PC, then plug the adapter into a power outlet.
4. **Power On:** Press the Power Button on the front panel. The system will boot up.
5. **Initial Windows Setup:** Follow the on-screen instructions to complete the Windows 11 Pro operating system

setup, including language, region, network connection, and user account creation.

## 5. OPERATING INSTRUCTIONS

### 5.1 Basic Operation

- **Power On/Off:** Press the Power Button to turn on. To turn off, use the Windows Shut Down option or press and hold the Power Button for 5 seconds for a forced shutdown (not recommended for regular use).
- **Restart:** Use the Windows Restart option.
- **Sleep Mode:** Use the Windows Sleep option.

### 5.2 Usage Scenarios

The TRIGKEY Key I13 Mini PC is designed for a variety of demanding tasks:

#### Intel® Core™ i9-13900HK Processor

14 Cores, 20 Threads, 5.4GHz Max Turbo Frequency



#### Intel® Iris® Xe Graphics eligible

Maximum Dynamic Frequency for Integrated Graphics



#### DDR5 5200MHz

Dual SO-DIMM DDR5



#### Dual PCIe 4.0 Slots

Max 8TB



#### Thunderbolt 4 Port

40Gbps/DP1.4



#### Dual-Fan Cooling

CPU silent Fan + System Fan



#### Wide Range of Interfaces

Designed for Versatile Applications and Environments



Image 5.1: Examples of professional applications and tasks the Key I13 Mini PC is capable of handling.

- **Graphic/Web Design & R&D/Programming:** Suitable for applications like Adobe Illustrator, Photoshop, Dreamweaver, and various development environments.

- **Business Productivity:** Efficiently handles office suites such as Microsoft Word, PowerPoint, OneNote, and Excel.
- **Video Editing/Livestreaming/Content Creation:** Capable of running demanding software like DaVinci Resolve, Adobe Premiere Pro, After Effects, and Audition.

## 6. MAINTENANCE

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

- **Cleaning:** Use a soft, dry cloth to clean the exterior. For vents, use compressed air to remove dust buildup. Ensure the device is powered off and unplugged before cleaning.
- **Software Updates:** Regularly check for and install Windows updates and driver updates from the TRIGKEY or Intel website to maintain system stability and security.
- **Storage Expansion:** The Mini PC supports dual M.2 2280 PCIe 4.0 SSDs. To install or upgrade, power off the device, disconnect all cables, and carefully open the chassis. Refer to the detailed instructions on the manufacturer's website for safe installation.
- **RAM Upgrade:** The device supports dual-channel DDR5 SODIMM RAM, expandable up to 96GB. Follow similar safety precautions as with storage expansion when upgrading RAM.

## 7. TROUBLESHOOTING

If you encounter issues with your Mini PC, refer to the following common problems and solutions:

- **No Power:** Ensure the power adapter is securely connected to both the Mini PC and a working power outlet. Test the outlet with another device.
- **No Display:** Verify that the monitor is powered on and correctly connected to the Mini PC via HDMI, DP, or Thunderbolt 4. Try a different cable or monitor if possible. Ensure the correct input source is selected on your monitor.
- **No Network Connection:** For wired connections, check the Ethernet cable and router. For Wi-Fi, ensure the Wi-Fi adapter is enabled in Windows settings and that you are connected to the correct network with the correct password.
- **System Unresponsive:** If the system freezes, press and hold the Power Button for 5 seconds to force a shutdown. Wait a few moments, then power it back on.
- **CLR CMOS Button:** If you experience boot issues or incorrect BIOS settings, you can use the CLR CMOS button (usually a small pinhole button) to reset the BIOS to default settings. Consult the manufacturer's website for specific instructions on using this feature.

If problems persist, contact TRIGKEY customer support for further assistance.

## 8. SPECIFICATIONS

Detailed technical specifications for the TRIGKEY Key I13 Mini PC:

Feature	Specification
Brand	TRIGKEY
Model Name	Key I13 (TRIGKEY Mini PC)
Processor	Intel Core i9-13900HK

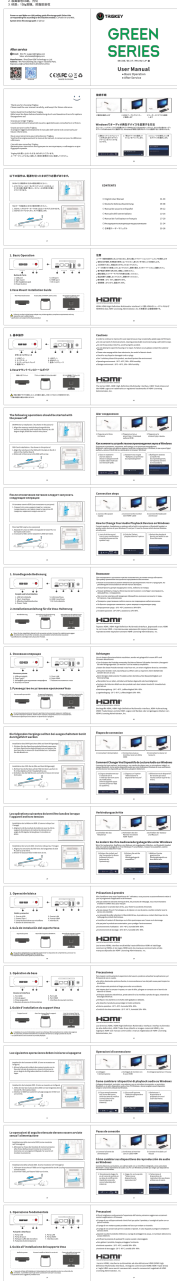




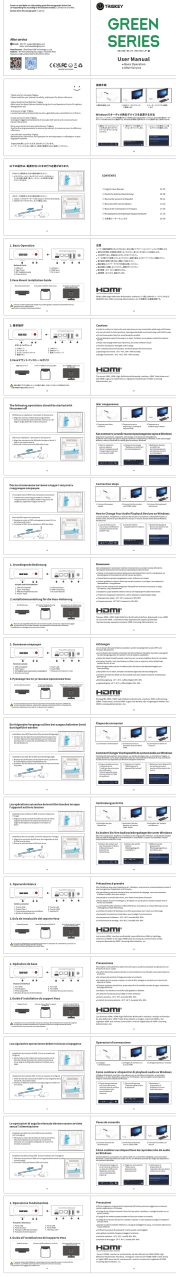
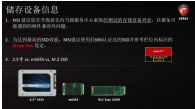

Feature	Specification
CPU Speed	5.4 GHz (Max Turbo Frequency)
Number of Cores	14 Cores
Cache Size	24 MB Intel Smart Cache
Graphics	Integrated Intel Iris Xe Graphics
Installed RAM	32 GB DDR5 5200MHz
Maximum RAM	96 GB (2x48GB)
Storage	1 TB M.2 SSD
Storage Expansion	Dual M.2 2280 PCIe 4.0 x4 slots (up to 8TB total)
Operating System	OS11 (Windows 11 Pro)
Network Interface	2.5G LAN, Wi-Fi (integrated)
Video Output	2x HDMI 4K 60Hz, 1x DP1.4 4K 144Hz, 1x Thunderbolt 4 (DP1.4)
USB Ports	4x USB 3.2 10Gbps, 1x USB-C 3.2 10Gbps, 1x Thunderbolt 4 (USB-C)
Audio Ports	2x 3.5mm Audio Jack
Dimensions (L x W x H)	13.2 x 5.8 x 6.8 cm
Weight	1.1 kilograms

## 9. WARRANTY AND SUPPORT

TRIGKEY products are covered by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation included with your purchase or visit the official TRIGKEY website. For technical support, driver downloads, or further assistance, please contact TRIGKEY customer service through their official channels.



	<p><a href="#">TRIGKEY Green G5 Mini PC User Manual</a></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><a href="#">TRIGKEY G2 GREEN Mini PC User Manual - Setup, Operation, and Support</a></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><a href="#">TRIGKEY S3 USB Flash Drive User Manual - 2A4J2-S3</a></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><a href="#">TRIGKEY Green G5 Mini PC User Manual</a></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><a href="#">MSI Laptop SSD Compatibility Guide</a></p> <p>Comprehensive guide detailing SSD compatibility, types, sizes, interfaces, and RAID configurations for MSI Gaming, Workstation, Prestige, and Classic notebooks, including recommendations for optimal performance.</p>
	<p><a href="#">How to Create a Bootable Windows 10 USB and Install Windows</a></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>

