

## GEEKOM A5 Pro

# GEEKOM A5 Pro Mini PC User Manual

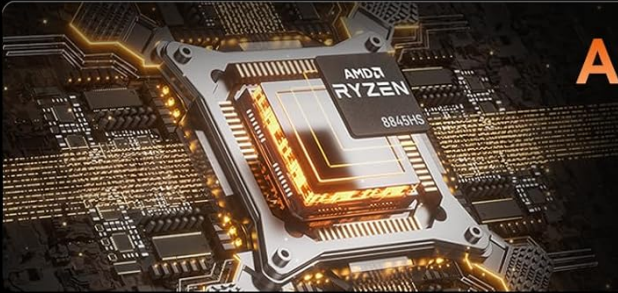
Model: A5 Pro

## 1. INTRODUCTION

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This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your GEEKOM A5 Pro Mini PC. Please read this manual thoroughly before using the device to ensure optimal performance and longevity.

The GEEKOM A5 Pro is a compact and powerful mini PC featuring an AMD Ryzen 5 7430U processor, 32GB RAM, and a 4TB NVMe SSD. It supports Windows 11 Pro and offers extensive connectivity options, including 8K quad display support.




# AMD Ryzen 9 7940HS

8 cores 16 threads  
AMD Zen 4 architecture



## DDR5 5600MHz

Dual-channel high-frequency memory




## Pcie 4.0 NVME

High-speed SSD



## AI PC powerful performance

Enhanced AI performance, easy assistance




WiFi 6E




Bluetooth 5.2

## Genuine Windows 11 Pro



## Full suite of interfaces

USB4+DP1.4+2.5G Ethernet port +HDMI 2.0



## IceBlast cooling

Enhanced cooling system  
Stronger performance, lower noise

Image 1: GEEKOM A5 Pro Mini PC, a compact computing solution.

## 2. PRODUCT OVERVIEW

### 2.1 Key Features

- **Processor:** AMD Ryzen 5 7430U (8C/16T, up to 4.5GHz, 16MB cache)
- **Memory:** 32GB DDR4 RAM (expandable)
- **Storage:** 4TB NVMe SSD
- **Graphics:** AMD Radeon Vega 8 Graphics
- **Operating System:** Windows 11 Pro
- **Display Support:** Up to 8K resolution, Quad Display capability (via USB-C, USB4.0, HDMI)
- **Connectivity:** Wi-Fi 6E, Bluetooth 5.2, 2.5G Ethernet

### 2.2 Ports and Connectors

The GEEKOM A5 Pro Mini PC offers a comprehensive suite of ports for various peripherals and displays.

## Mini PC, Maximum Connectivity

Despite its compact size, this powerhouse is equipped with an extensive array of ports, ensuring you have every connection option at your fingertips. From USB-C for fast data transfer and charging, to HDMI for seamless video output, and multiple USB-A ports for all your peripherals.

### Front

1 × Power button  
2 × USB 3.2 Gen 2 ports  
1 × 3.5 mm headphone jack



### Back

1 × DC jack  
2 × HDMI 2.0 ports  
1 × 2.5GbE LAN port  
1 × USB 2.0 port  
1 × USB 3.2 Gen 2 ports  
2 × USB4 ports

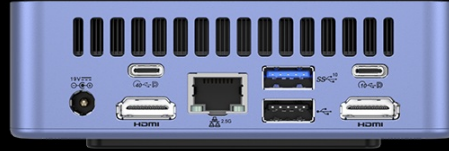


Image 2: Front and rear view of the GEEKOM A5 Pro Mini PC, highlighting its various ports.

#### • Front Ports:

- 1 x Power button
- 2 x USB 3.2 Gen 2 ports
- 1 x 3.5 mm headphone jack

#### • Rear Ports:

- 1 x DC Jack (Power Input)
- 2 x HDMI 2.0 ports (4K@60Hz)
- 1 x 2.5GbE LAN port
- 1 x USB 2.0 port
- 1 x USB 3.2 Gen 2 port
- 2 x USB4.0 ports (Support DP1.4, 8K@30Hz)

## 3. SETUP GUIDE

### 3.1 Unpacking and Initial Inspection

Carefully remove all components from the packaging. Verify that all items listed in the packing list are present and undamaged.



Image 3: Contents of the GEEKOM A5 Pro Mini PC package, including the mini PC, user manual, HDMI cable, VESA mount, and power adapter.

## 3.2 Connecting Peripherals

1. **Connect Display:** Use an HDMI cable to connect your monitor to one of the HDMI 2.0 ports. For 8K resolution or multi-display setups, utilize the USB4.0 ports with compatible cables and adapters.
2. **Connect Keyboard and Mouse:** Plug your USB keyboard and mouse into the available USB ports.
3. **Connect Power:** Insert the power adapter into the DC Jack on the rear of the mini PC, then plug the adapter into a power outlet.
4. **Network Connection (Optional):** For a wired connection, connect an Ethernet cable to the 2.5GbE LAN port. For wireless, ensure Wi-Fi is enabled during the operating system setup.

## 3.3 First Boot and Windows Setup

Press the power button on the front of the mini PC. The system will boot up, and you will be guided through the initial Windows 11 Pro setup process. Follow the on-screen instructions to configure your language, region, network, and user account.

## 4. OPERATING INSTRUCTIONS

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### 4.1 Power On/Off

- **Power On:** Press the power button once.
- **Shut Down:** Click the Start button in Windows, then select Power > Shut down.
- **Restart:** Click the Start button in Windows, then select Power > Restart.
- **Sleep:** Click the Start button in Windows, then select Power > Sleep.

### 4.2 Multi-Display Configuration

The GEEKOM A5 Pro supports up to four displays simultaneously, including an 8K display via USB4.0. To configure multiple displays:

1. Connect your monitors to the available HDMI 2.0, USB 3.2 Gen 2 Type-C (DP1.4), and USB4.0 (DP1.4) ports.
2. Right-click on the desktop and select "Display settings."
3. Windows will detect the connected displays. You can arrange them, change resolution, and set display modes (e.g., Extend, Duplicate) from this menu.



Image 4: The GEEKOM A5 Pro Mini PC supports a single 8K resolution screen or up to four 4K screens for enhanced productivity and entertainment.

## 4.3 Network Connectivity

- **Wi-Fi:** Access Wi-Fi settings via the Windows taskbar network icon. Select your network and enter the password. The A5 Pro supports Wi-Fi 6E for fast wireless speeds.
- **Bluetooth:** Enable Bluetooth from Windows Settings > Bluetooth & devices to connect compatible peripherals like keyboards, mice, or headphones. The A5 Pro features Bluetooth 5.2.
- **Ethernet:** Plug an Ethernet cable into the 2.5GbE LAN port for a stable wired network connection.

## 5. MAINTENANCE

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### 5.1 Cleaning

To maintain optimal performance, regularly clean the exterior of your mini PC with a soft, dry cloth. Avoid using liquid cleaners directly on the device. Ensure ventilation openings are free from dust buildup.

### 5.2 Cooling System

The GEEKOM A5 Pro features an efficient cooling system designed to dissipate heat effectively. Ensure the mini PC is placed in a well-ventilated area and that its vents are not obstructed.



Image 5: Exploded view illustrating the internal cooling system of the GEEKOM Mini PC.

### 5.3 Component Upgrades

The GEEKOM A5 Pro allows for certain component upgrades. Consult the official GEEKOM support resources or a qualified technician before attempting any internal modifications to avoid voiding your warranty.

## 6. TROUBLESHOOTING

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If you encounter issues with your GEEKOM A5 Pro Mini PC, refer to the following common solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No power/System won't turn on	Power cable loose, power adapter faulty, power outlet issue	Check power connections, try a different power outlet, ensure power adapter is functioning.
No display on monitor	Display cable loose, incorrect input selected on monitor, monitor faulty	Ensure display cable is securely connected, select correct input source on monitor, test with another monitor or cable.
Windows not booting / Blue Screen	Software issue, corrupted files, hardware malfunction	Try Windows troubleshooting options (e.g., Safe Mode, System Restore). If persistent, consider reinstalling Windows or contacting support.
Wi-Fi/Bluetooth connectivity issues	Drivers outdated, signal interference, hardware issue	Update network drivers from GEEKOM's official website. Ensure no physical obstructions. Restart router/modem.
Slow performance	Too many background applications, insufficient RAM, overheating	Close unnecessary programs. Check task manager for resource usage. Ensure proper ventilation for cooling.

## 6.1 Official Product Videos

For visual guidance on various aspects of your GEEKOM Mini PC, please refer to the following official videos:

### GEEKOM Mini PC Manufacturing Process

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*Video 1: This video provides insight into the manufacturing process of GEEKOM Mini PCs, highlighting quality control measures.*

### Introduction to GEEKOM Mini PC Usage Scenarios

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*Video 2: This video demonstrates various practical usage scenarios for GEEKOM Mini PCs in different environments.*

## 7. SPECIFICATIONS

Feature	Detail
Brand	GEEKOM
Model Name	A5 Pro
Operating System	Windows 11 Pro
CPU Model	AMD Ryzen 5 7430U
CPU Speed	3.5 GHz (up to 4.5GHz boost)

Feature	Detail
Graphics Coprocessor	AMD Radeon Vega 8 Graphics
RAM Memory Installed	32 GB
RAM Memory Technology	DDR4
Hard Disk Description	SSD (4TB NVMe)
Display Resolution Maximum	7680x4320 (8K)
Connectivity Technology	Bluetooth 5.2, USB 4.0, Wi-Fi 6E, 2.5G Ethernet
Item Dimensions	4.61 x 4.37 x 1.52 inches
Video Output Interface	1* USB 3.2 Gen 2 Type C (DP1.4, 4K@60HZ), 1* USB4.0 (DP1.4, 8K@30HZ), 2* HDMI 2.0 (4K@60HZ)
Cooling Method	Cooling Fan (GEEKOM's self-developed IceBlast 1.5 Cooling System)

## 8. WARRANTY AND SUPPORT

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### 8.1 Warranty Information

The GEEKOM A5 Pro Mini PC comes with a **3-year manufacturer's warranty**. This warranty covers defects in design and workmanship from the date of purchase. Please retain your proof of purchase for warranty claims.

### 8.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact GEEKOM customer service:

- **Online Support:** Visit the official GEEKOM website for FAQs, driver downloads, and support resources.
- **Email Support:** You can reach the after-sales team via email at [shirley.li@geekom.tw](mailto:shirley.li@geekom.tw).
- **Amazon Support:** Log into your Amazon buyer's account, find your order, and click "Get help" to contact the seller directly.