

KAMRUI AM06PRO

KAMRUI Mini PC AM06PRO User Manual

MODEL: AM06PRO

1. INTRODUCTION

Thank you for choosing the KAMRUI Mini PC AM06PRO. This compact and powerful desktop computer is designed to provide a smooth and efficient experience for various tasks, from home entertainment and web browsing to office work and light gaming. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your new Mini PC.

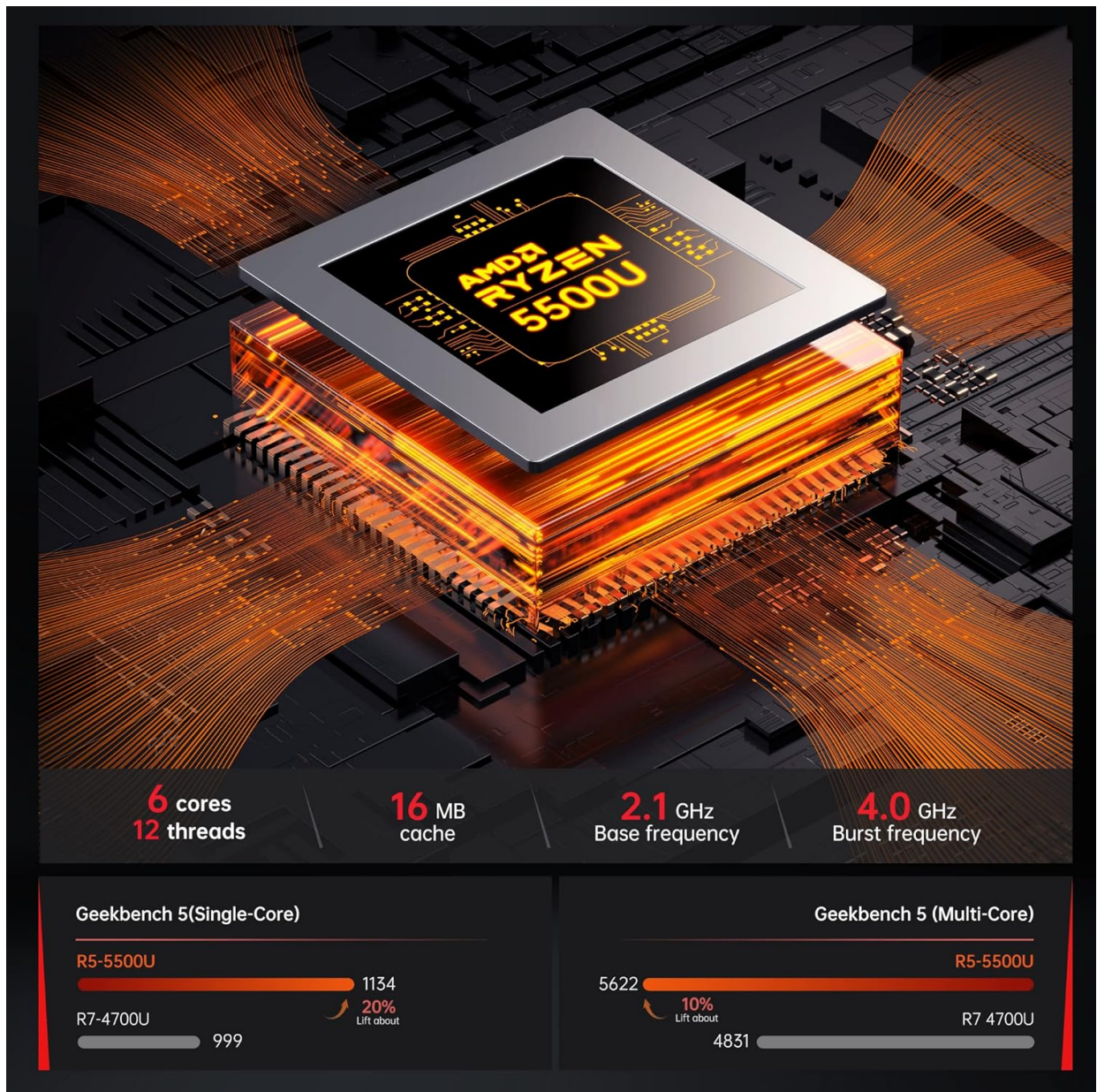


Figure 1.1: KAMRUI Mini PC AM06PRO - Top View

2. PACKAGE CONTENTS

Please check the box for the following items:

- 1 x Ryzen 5500U AM06PRO Mini PC (16GB+512GB)
- 1 x HDMI cable
- 1 x VESA Mount with Screws
- 1 x Power Adapter
- 1 x User Manual
- 1 x SATA Cable

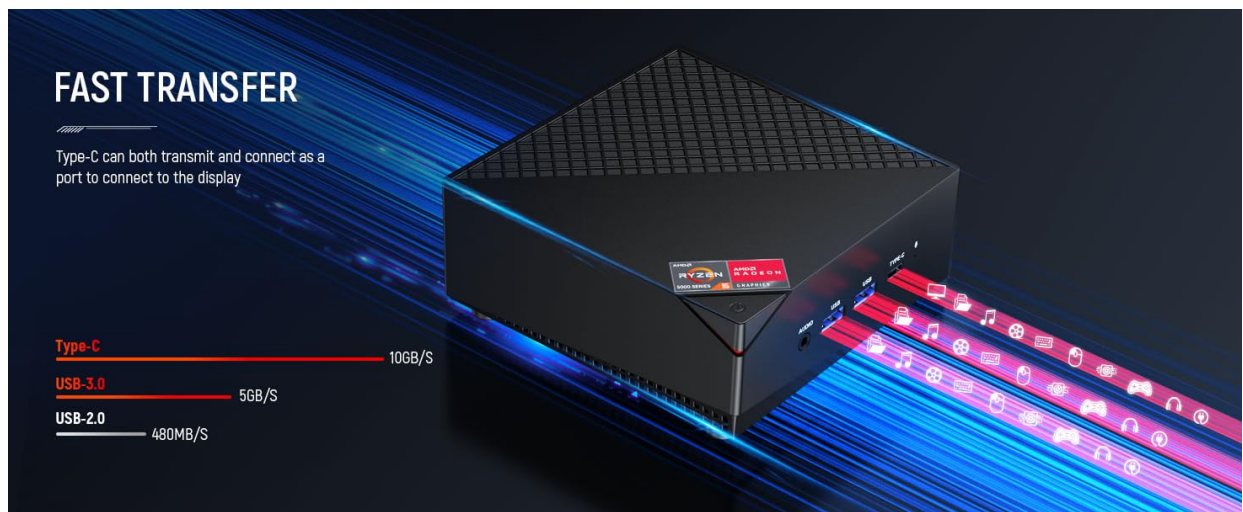


Figure 2.1: Package Contents

3. PRODUCT FEATURES

3.1 Processor & Performance

The KAMRUI AM06PRO Mini PC is equipped with an AMD Ryzen 5 5500U processor (6 Cores, 12 Threads, up to 4.0 GHz, 16MB Cache, 7nm process, TDP 15W). This processor provides a smooth experience for home entertainment, streaming video, web browsing, work, and games.



Figure 3.1: AMD Ryzen 5 5500U Processor Details

3.2 Memory & Storage

The Micro PC includes 16GB DDR4 RAM (dual channel, up to 3200MHz) and a 512GB M.2 2280 SSD. The SSD storage can be upgraded up to 2TB, and a 2.5-inch HDD (not included) can be added for up to 2TB additional storage. The device supports an auto-boot function, configurable in the BIOS.

3.3 Display Capabilities

Featuring AMD Radeon Graphics 7 (1800 MHz), the Mini PC supports 4K FPS video playback, delivering smooth and high-quality visual effects. It offers HDMI, DisplayPort (DP), and Type-C outputs, allowing for

simultaneous connection to three displays for enhanced productivity.

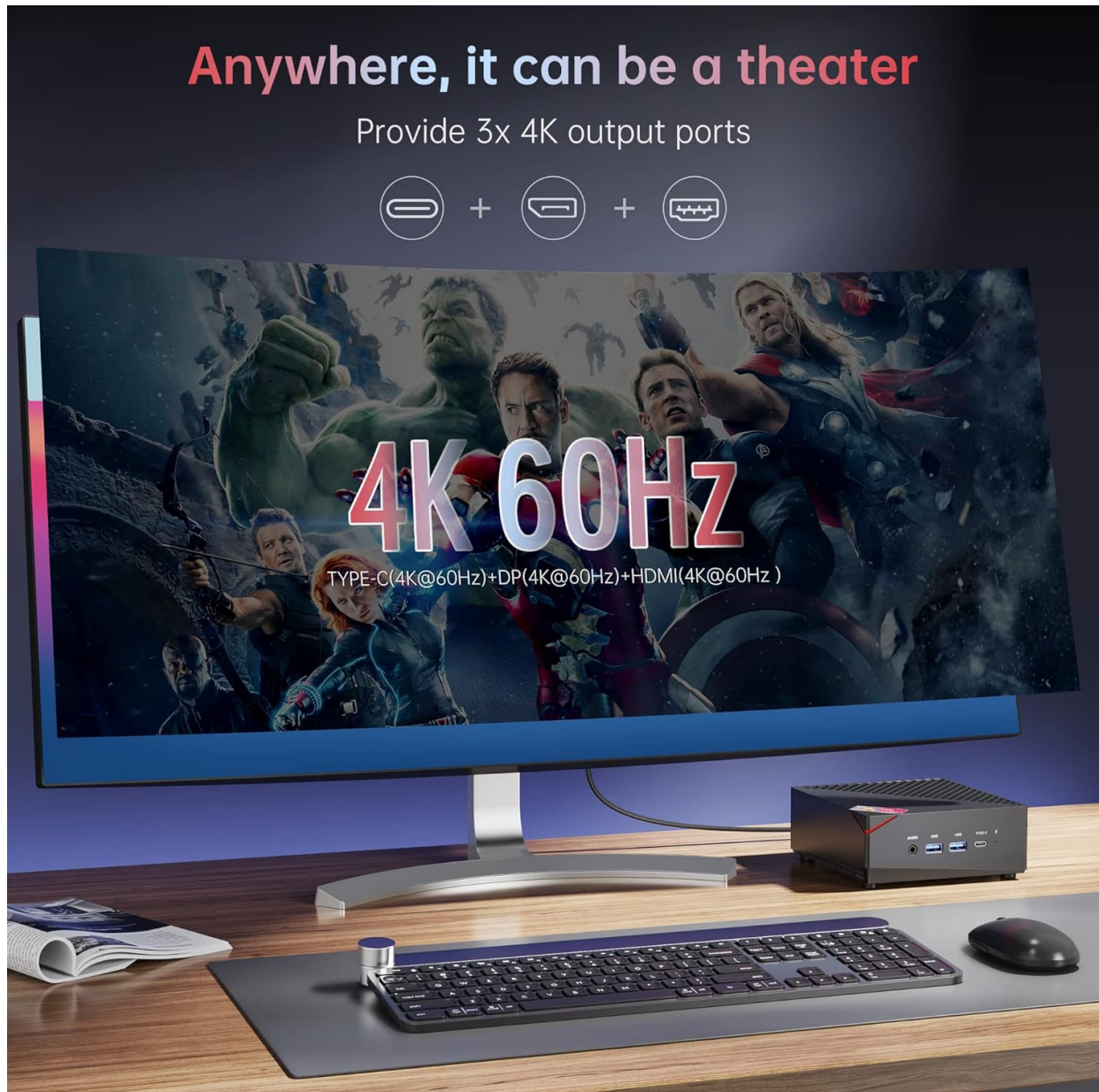


Figure 3.2: Triple 4K Display Setup

3.4 Cooling System

The Mini PC incorporates an efficient cooling system with a high-efficiency fan, pure copper heat pipe, and a large area air duct design. A silent control chip ensures heat dissipation without excessive noise, with a reported 40% increase in heat dissipation performance.



Figure 3.3: Efficient Cooling System

3.5 Connectivity

The device supports 802.11ac Dual Band 2.4/5GHz Wi-Fi (Wi-Fi 5) and Bluetooth 4.2 for fast and stable wireless connections. It also features dual RJ45 Gigabit Ethernet ports, providing extended application possibilities for firewalls, multichannel aggregation, soft routing, and file storage servers.



Figure 3.4: Rear Ports and Connectivity

3.6 Physical Design & Mounting

The KAMRUI Mini PC AM06PRO features a compact and lightweight design, making it suitable for various environments. It comes with a VESA bracket, allowing it to be mounted behind a monitor for a clutter-free workspace.

Two ways, two styles

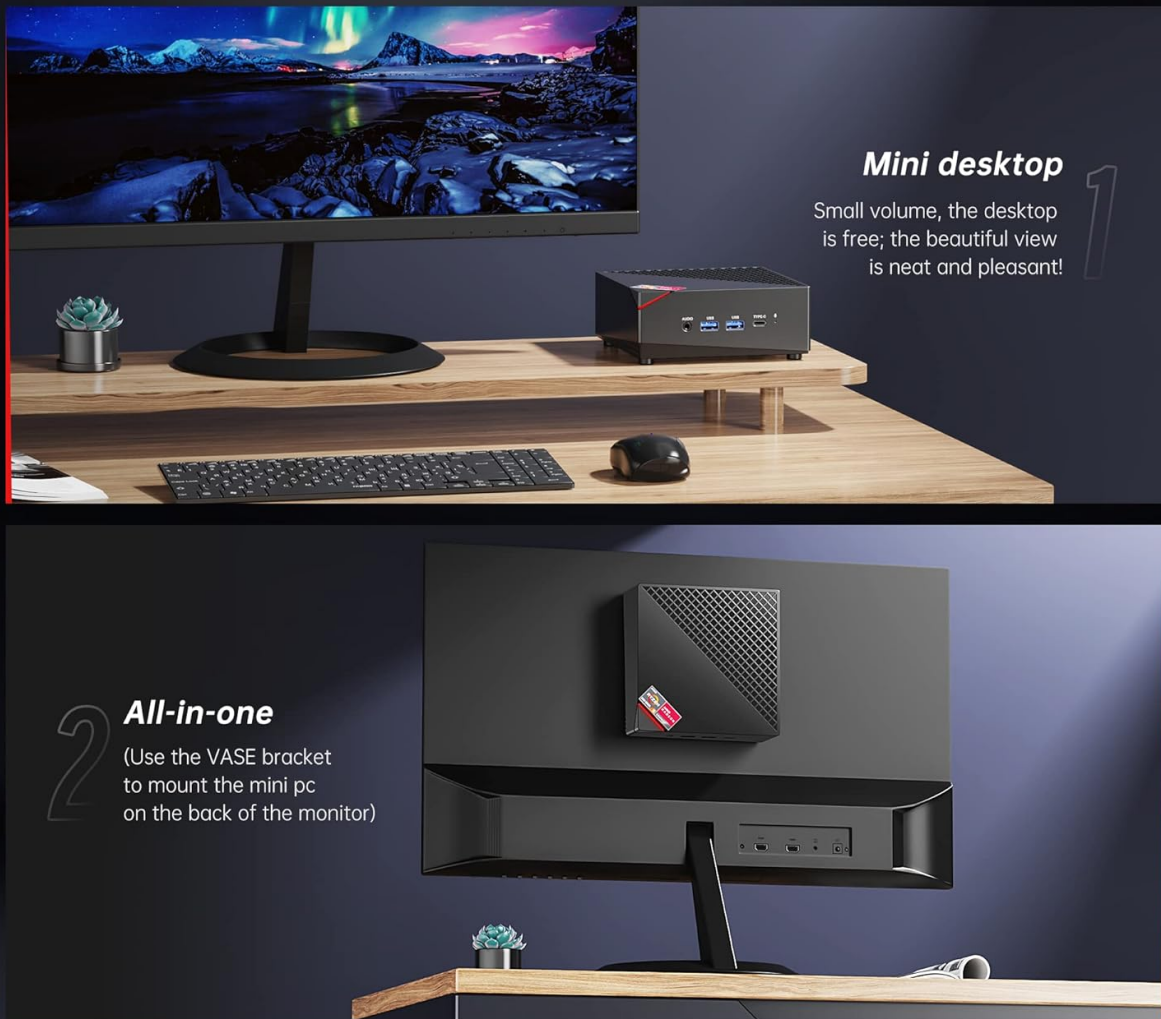


Figure 3.5: Desktop and VESA Mount Setup

4. SETUP GUIDE

4.1 Connecting Peripherals

1. **Power Connection:** Connect the provided power adapter to the DC port on the Mini PC and then to a power outlet.
2. **Display Connection:** Connect your monitor(s) to the HDMI, DisplayPort (DP), or Type-C ports using appropriate cables. The Mini PC supports up to three displays simultaneously.
3. **Keyboard and Mouse:** Connect your USB keyboard and mouse to the available USB 2.0 or USB 3.0 ports. Wireless peripherals can be connected via Bluetooth.
4. **Network Connection:** For a wired connection, plug an Ethernet cable into one of the RJ45 Gigabit Ethernet ports. For wireless, ensure Wi-Fi is enabled in the operating system.
5. **Audio Devices:** Connect headphones or speakers to the audio input/output jack if needed.

4.2 Initial Power On

Press the power button located on the front of the Mini PC. The device will boot up, and you should see the operating system load on your connected display.

5. OPERATING INSTRUCTIONS

5.1 Operating System

The KAMRUI AM06PRO Mini PC comes pre-installed with Windows 11 Pro, offering a familiar and user-friendly interface. Follow the on-screen prompts for initial setup, including language, region, and user account creation.

5.2 Display Configuration

To configure multiple displays or adjust resolution, right-click on the desktop, select 'Display settings', and arrange your displays as desired. The AMD Radeon Graphics 7 supports 4K resolution across all connected displays.

6. STORAGE EXPANSION

The Mini PC offers flexible storage expansion options:

- **M.2 SSD Upgrade:** The existing 512GB M.2 2280 SSD can be upgraded to a larger capacity, up to 2TB.
- **2.5-inch HDD/SSD Addition:** A 2.5-inch HDD or SSD (not included) can be added for additional storage, up to 2TB. Use the provided SATA cable for connection.

For detailed instructions on how to physically install or upgrade storage, please refer to the included User Manual or contact customer support.

7. SPECIFICATIONS

Feature	Specification
Model Name	AM06PRO
Processor	AMD Ryzen 5 5500U (6C/12T, up to 4.0 GHz)
RAM	16 GB DDR4 (upgradable to 64GB)
Hard Drive	512 GB M.2 2280 SSD (upgradable to 2TB)
Graphics	AMD Radeon Graphics 7 1800 MHz
Operating System	Windows 11 Pro
Max Screen Resolution	3840 x 2160 pixels (4K)
Wireless Type	802.11ac (Wi-Fi 5), Bluetooth 4.2
Ethernet	2 x RJ45 Gigabit Ethernet ports
USB Ports	2 x USB 3.0, 2 x USB 2.0, 1 x Type-C
Video Ports	1 x HDMI, 1 x DisplayPort (DP), 1 x Type-C
Audio Ports	1 x Audio Input/Output
Item Weight	2.51 pounds
Product Dimensions	3.94 x 3.94 x 1.97 inches

8. TROUBLESHOOTING

- **No Display:** Ensure all display cables are securely connected and the monitor is powered on and set to the correct input source. Try connecting to a different display port or monitor.
- **No Power:** Verify the power adapter is correctly connected to the Mini PC and a working power outlet. Try a different power outlet.
- **Slow Performance:** Check for background applications consuming resources. Ensure Windows 11 Pro is updated. Consider upgrading RAM or SSD if performance issues persist.
- **Network Issues:** For wired connections, check the Ethernet cable and router. For Wi-Fi, ensure drivers are updated and the device is within range of the wireless network.
- **BIOS Access:** To access BIOS settings (e.g., for auto-boot function), press the designated key (often DEL or F2) repeatedly during startup.

9. WARRANTY AND SUPPORT

KAMRUI provides lifetime technical support and 24-hour service for its products. For any technical assistance or warranty claims, please refer to the contact information below:

- **Email:** Support@kamrui.com
- **Phone:** +1-833-670-152B (US)
- **Service Hours:** Mon-Fri 9am-5pm (EST)

For faster setup, avoid Wi-Fi or LAN initially. Connecting might trigger long updates, delaying desktop access. Please refer to the included user manual for detailed warranty information.