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Beelink SER5

Beelink SER5 Mini PC W11 Pro User Manual

Model: SER5/5500U/16G/480G

1. Introduction

The Beelink SER5 Mini PC is a compact and powerful desktop computer designed for various applications, from home entertainment to office productivity and light gaming. Equipped with an AMD Ryzen 5 5500U processor, 16GB DDR4 RAM, and a 480GB NVME SSD, it offers efficient performance in a small form factor. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Beelink SER5 Mini PC.



Image 1.1: Front view of the Beelink SER5 Mini PC, showcasing its compact design and front ports.

2. What's in the Box

Verify that all items are present in the package before proceeding with the setup.

- Beelink SER5 Mini PC
- User Manual
- HDMI Cable

- Power Adapter (Optional: US/EU/UK/JP)
- Wall-mounted bracket (VESA Mount)

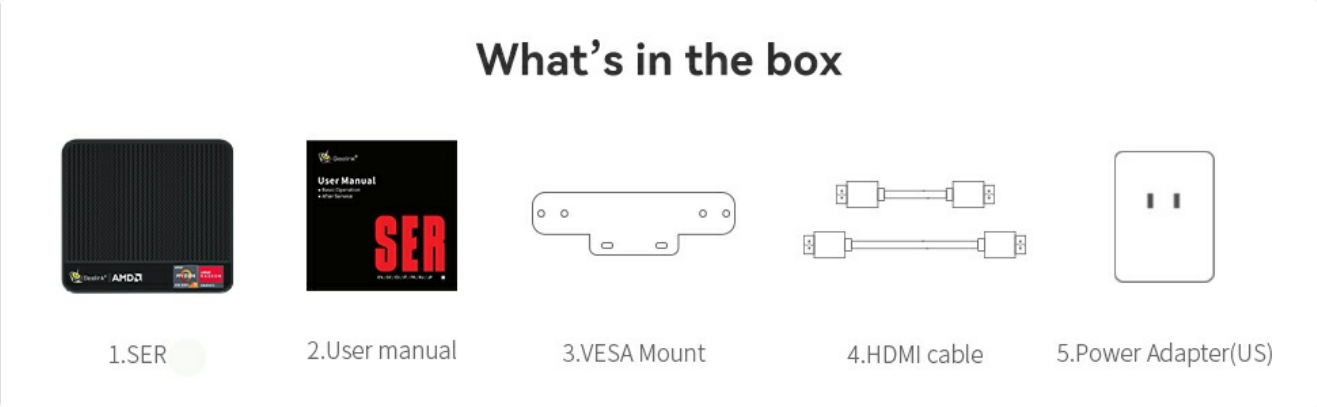


Image 2.1: Diagram showing the Beelink SER5 Mini PC and its included accessories.

3. Product Overview

The Beelink SER5 Mini PC is engineered for performance and versatility. Key features include:

- **Processor:** AMD Ryzen 5 5500U (6 Cores/12 Threads, 2.1GHz up to 4.0GHz)
- **Graphics:** AMD Radeon Graphics (7 Cores, 1800 MHz)
- **Memory:** 16GB DDR4 RAM (expandable up to 64GB)
- **Storage:** 480GB M.2 PCIe 2280 SSD (expandable up to 4TB)
- **Connectivity:** 2.5G Ethernet LAN, WiFi 6 (802.11ax), Bluetooth 5.2
- **Display Output:** Triple 4K@60Hz display support via HDMI, DisplayPort, and Type-C
- **Operating System:** Pre-installed Windows 11 Pro

3.1. Ports and Interfaces



Image 3.1: Front panel ports including USB 3.2 Gen2, Type-C (Data & Video), Earphone Jack, and Power button.

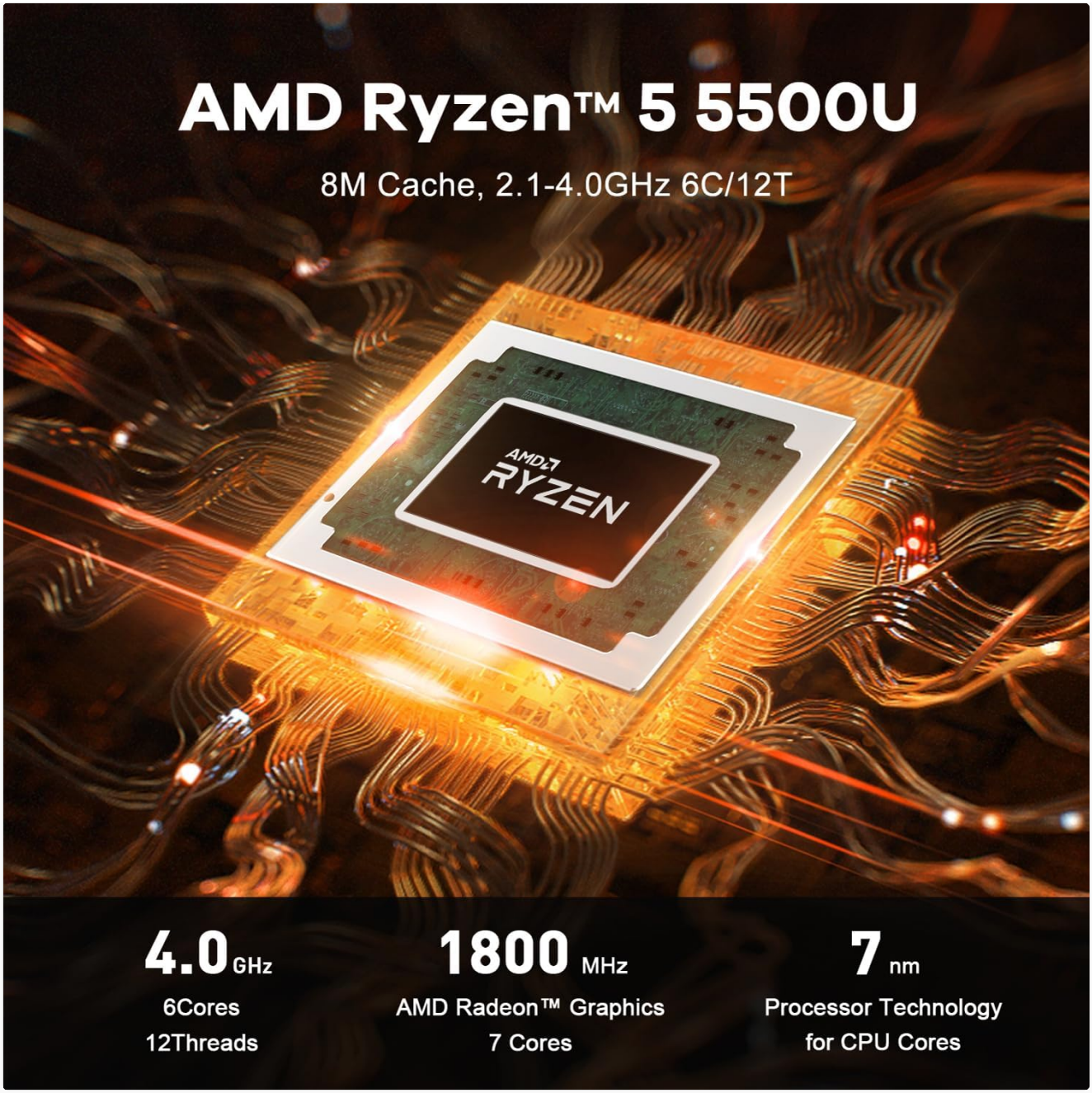


Image 3.2: Rear panel ports including LAN (2.5Gbps), USB 3.2 Gen2, DisplayPort 1.4, HDMI (4K HD), and Power adapter input.

The device features a comprehensive set of ports for connectivity, including multiple USB ports, HDMI, DisplayPort, and a Type-C port that supports both data transfer and video output. The 2.5G LAN port ensures high-speed wired network access.

3.2. Cooling System

The Beelink SER5 Mini PC incorporates an efficient cooling system with a quiet fan and dual heat conduction tubes to ensure stable performance and effective heat dissipation, even under heavy loads.



Image 3.3: Illustration of the internal cooling fan and heat sink design for stable heat dissipation.

4. Setup

4.1. Initial Connection

1. Connect your monitor(s) to the HDMI, DisplayPort, or Type-C video output ports on the Mini PC.
2. Connect your keyboard and mouse to the available USB ports.
3. Connect the power adapter to the DC input port on the Mini PC, then plug the adapter into a power outlet.
4. Press the power button located on the front panel to turn on the Mini PC.



Image 4.1: Example setup of the Beelink SER5 Mini PC with a monitor, keyboard, and mouse.

4.2. Dual Screen Display Setup

The Beelink SER5 supports triple display output. To set up a dual or triple monitor configuration:

1. Connect your monitors to the available HDMI, DisplayPort, and/or Type-C ports.
2. Once connected, turn on your Mini PC and monitors.
3. In Windows, navigate to **Start** > **Settings** > **System** > **Display**.
4. Your PC should automatically detect the connected monitors. If a monitor is not detected, click the **Detect** button.
5. Adjust display settings such as resolution, orientation, and multiple display modes (Extend, Duplicate, Show only on 1/2/3) as needed.

5. Operating Instructions

5.1. Power On/Off

- **To Power On:** Press the power button on the front of the Mini PC. The power LED will illuminate.
- **To Power Off:** In Windows, go to **Start** > **Power** > **Shut down**. Alternatively, you can press and hold the power button for 5 seconds to force a shutdown (not recommended for regular use).

5.2. Accessing BIOS Settings

To enter the BIOS setup utility:

1. Turn on or restart the Mini PC.
2. Immediately and repeatedly press the **Delete** key on your keyboard.
3. To access the boot options menu, repeatedly press the **F7** key immediately after booting.

5.3. General Usage

The Beelink SER5 Mini PC is suitable for a wide range of tasks, including:

- Web browsing and email
- Microsoft Office applications (Word, Excel, PowerPoint)
- 4K video playback and streaming
- Light photo and video editing (e.g., Adobe PR, PS)
- Multi-tasking across various applications



Image 5.1: The Mini PC supports a variety of software applications for productivity and entertainment.

6. Maintenance

To ensure the longevity and optimal performance of your Beelink SER5 Mini PC, follow these maintenance guidelines:

- **Cleaning:** Regularly clean the exterior of the Mini PC with a soft, dry cloth. Use compressed air to gently clear dust from ventilation openings to prevent overheating. Ensure the device is powered off and unplugged before cleaning.
- **Software Updates:** Keep your operating system and drivers updated to the latest versions to ensure security and performance.
- **Ventilation:** Ensure the Mini PC is placed in a well-ventilated area, away from direct sunlight or heat sources, to allow for proper airflow.
- **Storage:** Avoid placing heavy objects on the Mini PC. When not in use for extended periods, store it in a cool, dry place.

7. Troubleshooting

If you encounter issues with your Beelink SER5 Mini PC, refer to the following common solutions:

- **No Power:**
  - Ensure the power adapter is securely connected to both the Mini PC and a working power outlet.
  - Test the power outlet with another device to confirm it is functional.
  - Verify the power adapter is the correct one supplied with the device.
- **No Display Output:**
  - Check that the monitor is powered on and the correct input source is selected.
  - Ensure the HDMI/DisplayPort/Type-C cable is securely connected to both the Mini PC and the monitor.
  - Try a different display cable or monitor if available.
  - If using multiple displays, ensure they are properly configured in Windows Display Settings (see Section 4.2).
- **System Freezes or Slow Performance:**
  - Close unnecessary applications running in the background.
  - Check for sufficient free space on the SSD.
  - Ensure the Mini PC has adequate ventilation and is not overheating.
  - Run a system scan for malware or viruses.
- **Cannot Enter BIOS:**
  - Ensure you are pressing the **Delete** key repeatedly immediately after powering on the device.
  - For boot options, use the **F7** key.

8. Specifications

Feature	Detail
Brand	Beelink
Model Name	SER5
Operating System	Windows 11 Pro
CPU Model	AMD Ryzen 5 5500U
CPU Speed	2.1 GHz (up to 4.0 GHz Boost)
Graphics Coprocessor	AMD Radeon Graphics (7 Cores, 1800 MHz)
RAM Memory Installed	16 GB DDR4
RAM Memory Maximum Size	64 GB
Memory Storage Capacity	480 GB NVME SSD (M.2 PCIe 2280)
Hard Disk Interface	Solid State
Wireless Connectivity	WiFi 6 (802.11ax), Bluetooth 5.2
Wired Connectivity	2.5G Ethernet LAN (RJ45)

Feature	Detail
Video Output Interface	HDMI, DisplayPort, Type-C (4K@60Hz Triple Display)
USB Ports	3x USB 3.2 Gen2, 1x USB 2.0, 1x Type-C (Data & Video)
Audio Jack	HP&MIC
Dimensions	126 x 113 x 42 mm
Power Consumption	22.5 watts

9. Warranty and Support

Beelink provides comprehensive support for your SER5 Mini PC:

- **Warranty:** A 3-year warranty is provided for the Beelink SER5 Mini PC.
- **Technical Support:** Lifetime technical support is available.
- **After-Sales Service:** 24/7 after-sales service is offered.
- **Certifications:** All products have obtained FCC, CE, and RoHS certifications.

For any questions or assistance, please do not hesitate to contact Beelink customer support through the official channels provided at the point of purchase or on the Beelink website.

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