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› Beelink SER5 Mini PC User Manual

Beelink SER5

Beelink SER5 Mini PC User Manual

Model: SER5 | Brand: Beelink

INTRODUCTION

The Beelink SER5 Mini PC is a high-performance, compact computer designed for a wide range of applications, from home entertainment and office work to light gaming and design tasks. Featuring an AMD Ryzen 5 5500U processor, ample RAM, and fast SSD storage, it offers a smooth and efficient computing experience. Its small form factor and versatile connectivity options make it an ideal solution for various setups.



Figure 1: Front view of the Beelink SER5 Mini PC, showcasing its compact design and front ports.

WHAT'S IN THE BOX

Upon opening the package, please ensure all the following items are present:

- Beelink SER5 5500U Mini PC ×1
- Power Adapter ×1
- Wall-Mounted bracket ×1
- User Manual ×1
- HDMI Cable (100CM) ×1



Figure 2: Illustration of the accessories included with the Beelink SER5 Mini PC, such as the user manual, wall-mount bracket, HDMI cables, and power adapter.

SETUP

Connecting Your Mini PC

- 1. Connect to Display:** Use the provided HDMI cable to connect the Mini PC to your monitor or TV. The device supports 4K triple display output via HDMI, DisplayPort, and Type-C ports. For triple display, connect additional monitors using DisplayPort and/or Type-C to HDMI/DisplayPort adapters (not included).

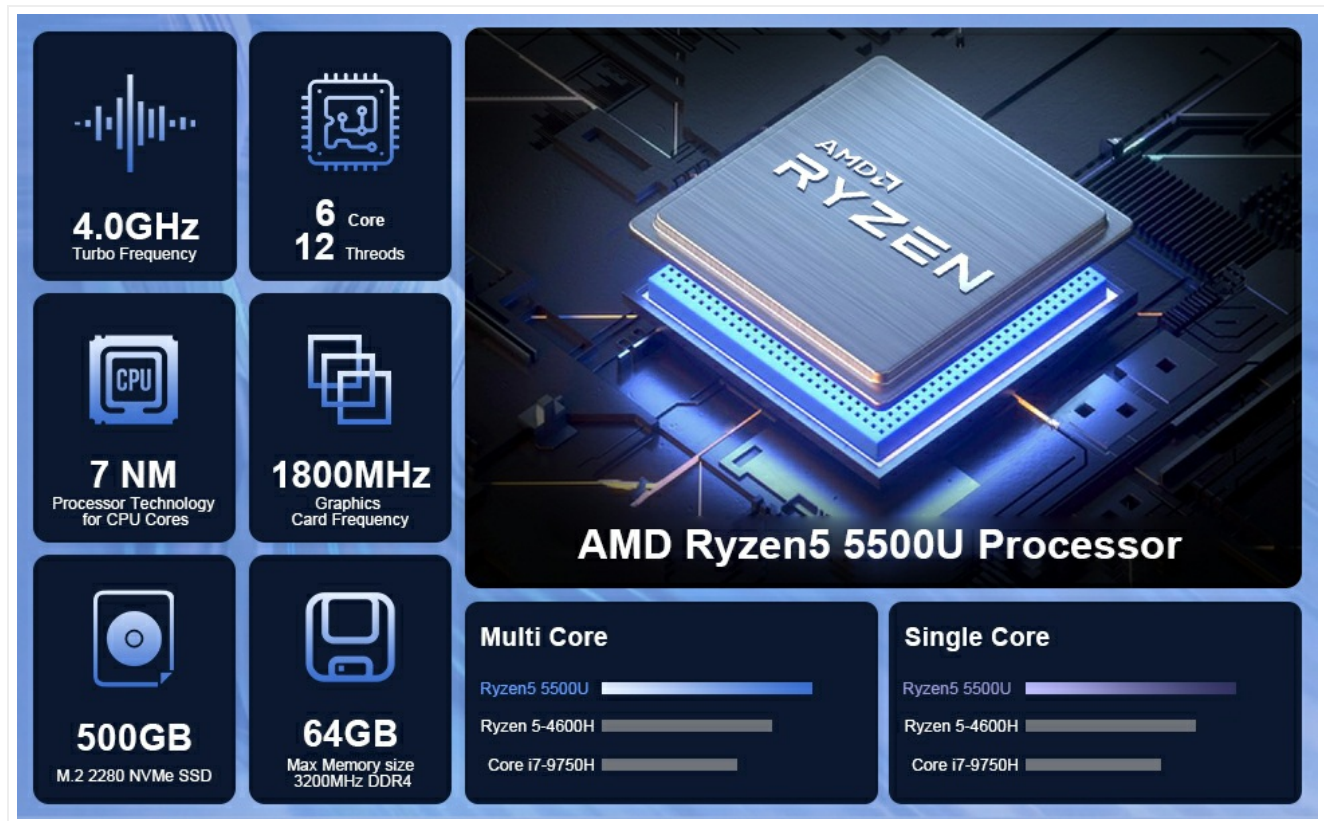


Figure 3: The Beelink SER5 Mini PC supporting a triple 4K display setup, enhancing multitasking capabilities.

- 2. Connect Peripherals:** Plug in your USB keyboard and mouse into the available USB 3.2 Gen2 ports. The Mini PC also features a USB 2.0 port and a Type-C port for data and video.

Plenty ports for connectivity

Multiple ports, various choices



Figure 4: A close-up view of the various connectivity ports on the Beelink SER5 Mini PC, including USB, HDMI, DisplayPort, LAN, and Type-C.

3. **Connect to Network:** For wired internet, connect an Ethernet cable to the RJ45 2.5G LAN port. For wireless connectivity, the Mini PC supports Wi-Fi 6 (802.11ax) and Bluetooth 5.2.
4. **Connect Power:** Plug the power adapter into the DC Jack on the Mini PC, then connect it to a power outlet.

First Boot and Initial Configuration

Press the power button on the front of the Mini PC to turn it on. Follow the on-screen instructions to complete the initial setup of your operating system. This typically involves setting up user accounts, network connections, and basic preferences.

For users who wish to enable the **Auto Power On** feature, please contact Beelink technical support with the barcode located at the bottom of your device. They will provide the necessary tutorial file.

OPERATING INSTRUCTIONS

Performance Overview

The Beelink SER5 Mini PC is equipped with an **AMD Ryzen 5 5500U processor** (6 Cores, 12 Threads, up to 4.0 GHz) and **AMD Radeon Graphics 7 core 1800 MHz**, providing robust performance for various computing needs. It comes with 16GB DDR4-3200MHz RAM, expandable up to 64GB, and a 500GB M.2 NVMe 2280 SSD, with support for up to 4TB storage expansion.

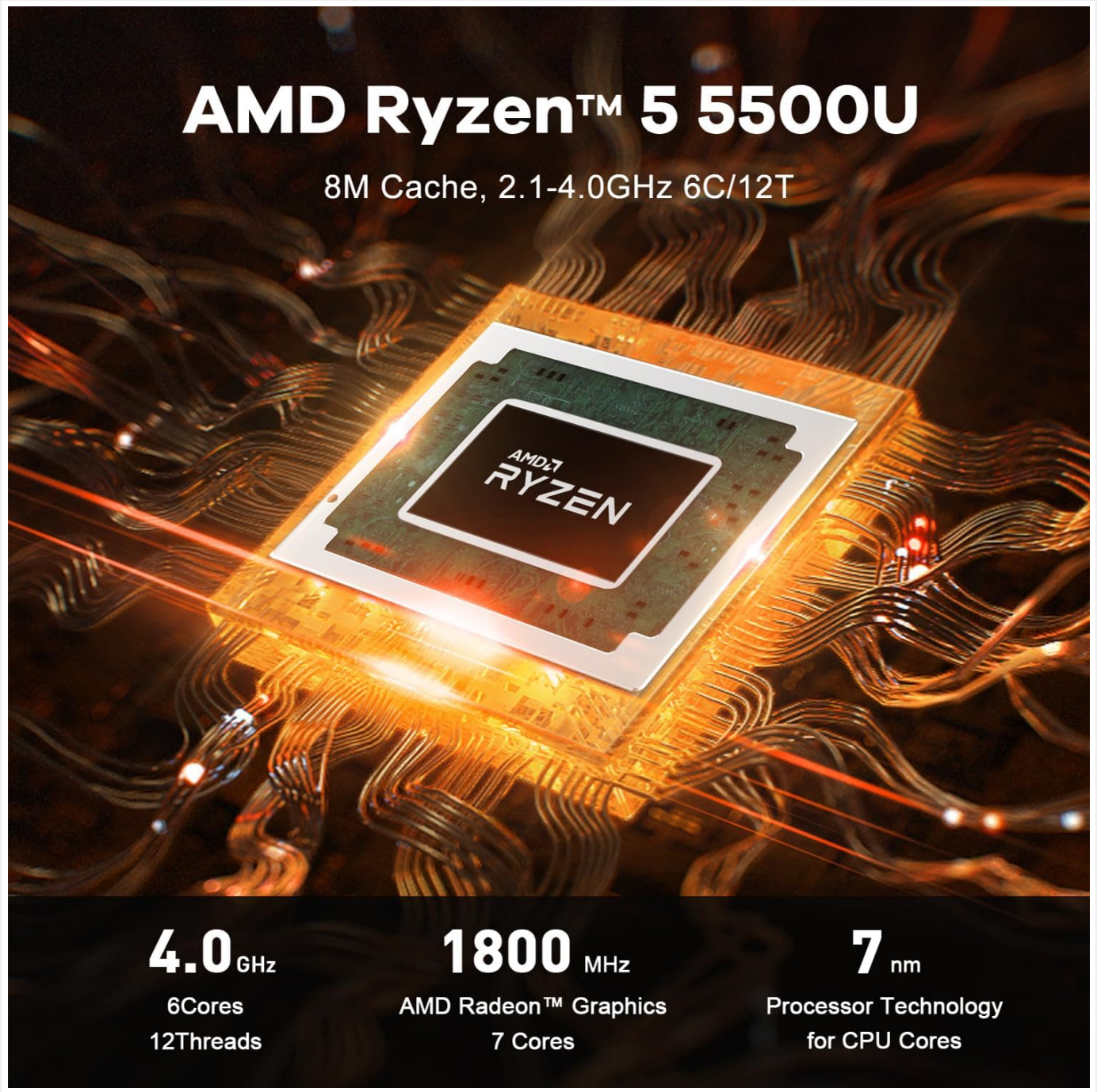


Figure 5: Visual representation of the AMD Ryzen 5 5500U processor, highlighting its 6 cores, 12 threads, and 4.0 GHz turbo frequency.

Max 64GB of memory, playing games and working more smoothly

Max support Single-channel 32GB 3200MHz , dual-channel 64GB 3200MHz, optional dual-channel 16GB(8*2).

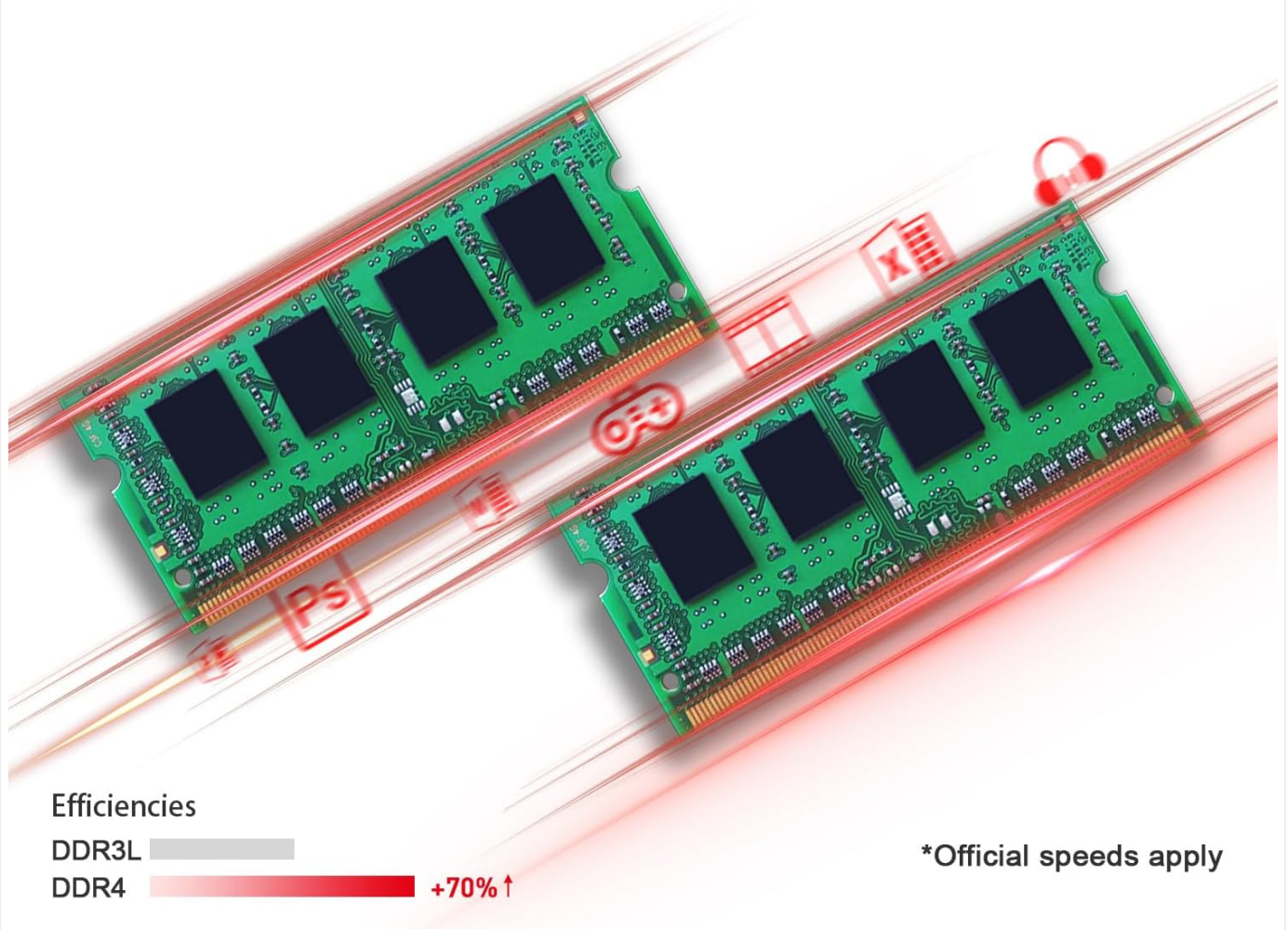


Figure 6: Illustration of the DDR4 RAM modules, showing support for up to 64GB dual-channel memory at 3200MHz.



Figure 7: The M.2 2280 NVMe SSD, emphasizing its fast data transfer capabilities and support for up to 4TB storage.

Connectivity

- **Wireless:** Equipped with Wi-Fi 6 (802.11ax) for faster and more stable wireless network connections, and Bluetooth 5.2 for efficient connection to multiple wireless devices.
- **Wired:** Features an RJ45 2.5G network port for high-speed wired internet.
- **Ports:**
 - 1x DC Jack
 - 3x USB 3.2 Gen2
 - 1x USB 2.0
 - 1x RJ45 2.5G
 - 1x HDMI (max 4K 60Hz)
 - 1x DisplayPort
 - 1x Audio Jack (HP&MIC)
 - 1x Type-C (Data&Video)

WiFi 6 supports faster transmission speed

With fast and reliable wireless network connection, Bluetooth 5.2 latency is lower, more stable and efficient



Wifi 5 1x1  433Mbps

Wifi 6 2x2  2400 Mbps(2.4 Gbps)

Figure 8: Diagram illustrating the enhanced speed and stability provided by Wi-Fi 6 and Bluetooth 5.2 connectivity.

Cooling System

The SER5 Mini PC incorporates an efficient cooling system with a cooling fan and dual heat conduction tubes. This design ensures stable heat dissipation, maintaining optimal performance even under heavy loads.

Run calmly enjoy coolness

Large fan and dual heat conduction tube
make heat dissipation more efficient

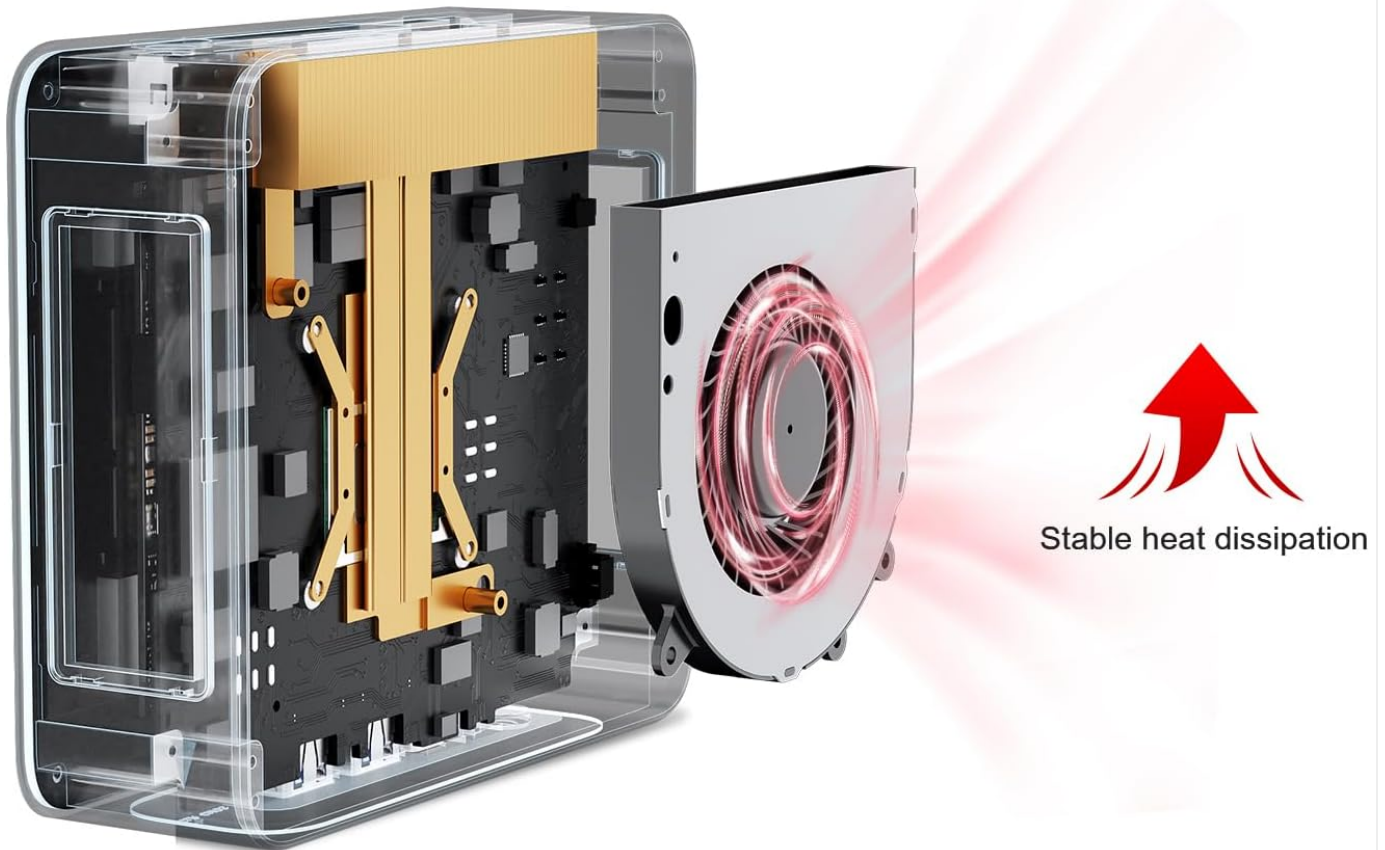


Figure 9: An internal view of the Beelink SER5 Mini PC's cooling system, showing the fan and heat pipes designed for efficient heat dissipation.

The exploded view

See technical structure assembly of various parts

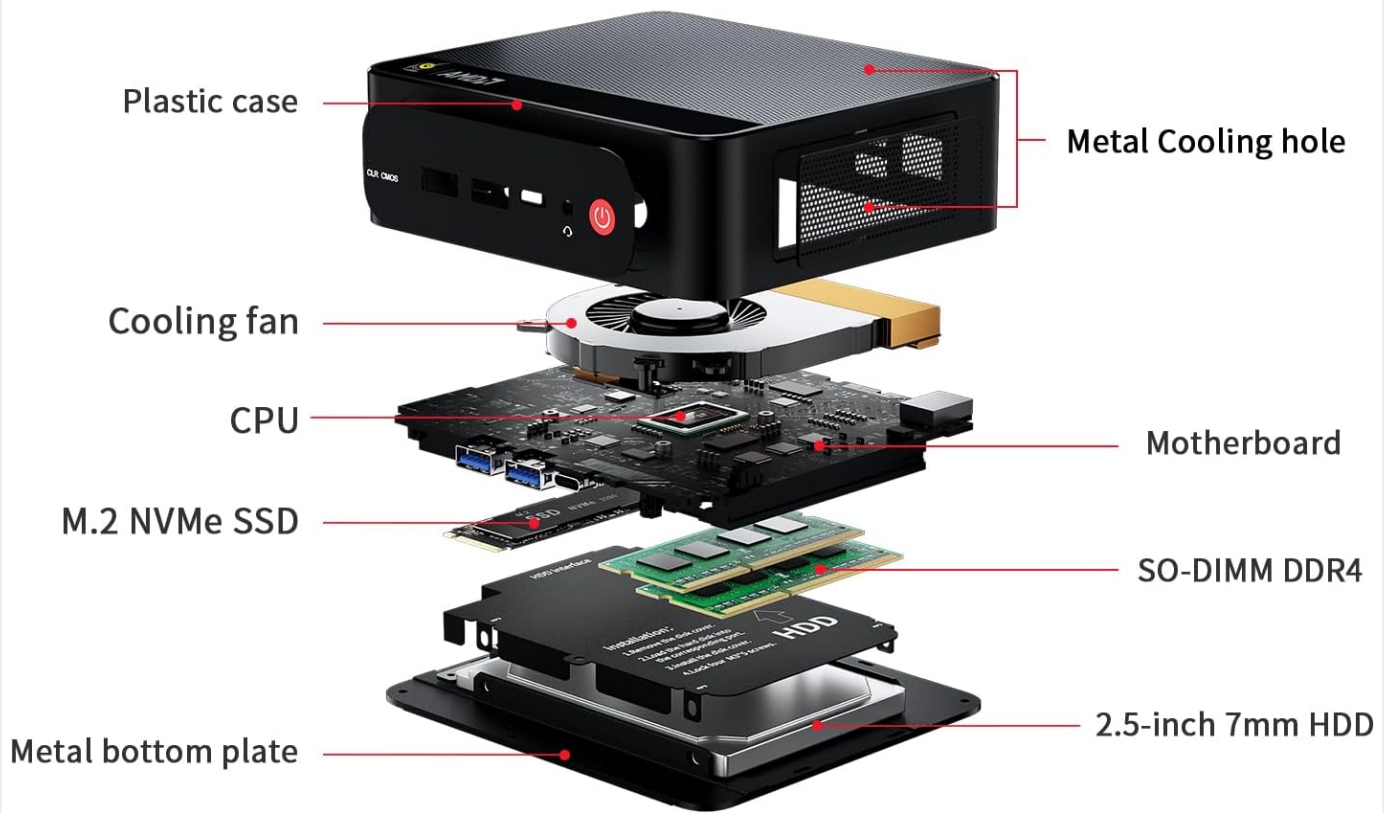


Figure 10: An exploded view of the Beelink SER5 Mini PC, detailing its internal components such as the plastic case, metal cooling hole, cooling fan, CPU, motherboard, M.2 NVMe SSD, SO-DIMM DDR4, and 2.5-inch HDD slot.

MAINTENANCE

- Keep the Mini PC in a well-ventilated area to ensure proper airflow and prevent overheating.
- Regularly clean the exterior with a soft, dry cloth. Avoid using liquid cleaners directly on the device.
- Ensure all cables are securely connected.
- Periodically check for and install operating system updates and driver updates to maintain optimal performance and security.
- Avoid placing heavy objects on top of the Mini PC.

TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your Beelink SER5 Mini PC.

General Issues

- **No Power:**
 - Ensure the power adapter is securely connected to both the Mini PC and a working power outlet.
 - Verify the power outlet is functional by plugging in another device.
 - If the issue persists, contact customer support.
- **No Display:**

- Check that the HDMI/DisplayPort/Type-C cable is firmly connected to both the Mini PC and the monitor.
- Ensure the monitor is powered on and set to the correct input source.
- Try a different display cable or monitor if available.

- **Slow Performance:**

- Close unnecessary applications running in the background.
- Ensure sufficient free space on the SSD.
- Check for and install any pending operating system updates or driver updates.
- Monitor system temperatures to ensure proper cooling.

BIOS and System Updates

- **How to enter BIOS:** Press the "**Delete**" key repeatedly immediately after booting up the Mini PC.
- **How to enter Boot Options Menu:** Press the "**F7**" key repeatedly immediately after booting up the Mini PC.
- **Updating the Mini Computer:** If you need to update the mini computer, please contact Beelink customer service. They will provide you with the necessary tutorial.

SPECIFICATIONS

Feature	Detail
Brand	Beelink
Series	SER5 5500U
Item Model Number	SER5
Processor	AMD Ryzen 5 5500U (6 Cores, 12 Threads, up to 4.0 GHz)
Graphics Coprocessor	AMD Radeon Graphics 7core 1800 MHz
RAM	16 GB DDR4 (expandable up to 64GB)
Hard Drive	500 GB M.2 2280 NVMe SSD (supports upgrade to 4TB)
Operating System	OS (Pre-installed Windows 11 mentioned in reviews)
Wireless Type	802.11ax (Wi-Fi 6), Bluetooth 5.2
LAN	RJ45 2.5G
Display Output	HDMI (max 4K 60Hz), DisplayPort, Type-C (Data&Video) - Supports 4K Triple Display
USB Ports	3x USB 3.2 Gen2, 1x USB 2.0
Audio Jack	1x Audio Jack (HP&MIC)
Item Weight	2.01 pounds
Package Dimensions	8.86 x 5.51 x 2.24 inches

OFFICIAL PRODUCT VIDEO



Video 1: Detailed Introduction of Beelink SER5 5500U Mini PC. This video provides a visual overview of the product's features and capabilities.

WARRANTY AND SUPPORT

Beelink provides comprehensive support for your SER5 Mini PC:

- **Warranty:** 1-year warranty.
- **Customer Service:** 7 days / 24 hours service.
- **Technical Support:** Lifetime technical support for any issues.
- **Replacements:** New replacements are provided for Beelink mini PCs during the warranty period.

If you encounter any defects or require assistance, please email the Beelink customer service team. All products have obtained FCC, CE, and ROHS Certifications.

