Beelink SER

Beelink Mini PC SER5 Instruction Manual

Model: SER5 R5-5500U 16G+500G

INTRODUCTION

This manual provides comprehensive instructions for setting up, operating, maintaining, and troubleshooting your Beelink Mini PC SER5. Please read this manual thoroughly before using the device to ensure optimal performance and longevity.

WHAT'S IN THE BOX

Upon unboxing your Beelink Mini PC SER5, verify that all the following items are included:

- 1 x Beelink SER5 5500U Mini PC
- 1 x 19V-3A 57W Power Adapter
- 2 x HDMI Cables (100CM)
- 1 x Vesa Mount with Screws
- 1 x User Manual

Image: The Beelink Mini PC SER5 shown with its power adapter, HDMI cables, VESA mount, and user manual.

SETUP GUIDE

1. Connecting Peripherals

Connect your monitor(s), keyboard, and mouse to the available ports on the Mini PC. The device supports 4K triple display output via HDMI, DisplayPort (DP), and Type-C ports.

- **HDMI Ports:** Connect up to two displays using the provided HDMI cables.
- **DP Port:** Connect an additional display via DisplayPort.
- **Type-C Port:** Supports data and video output.
- **USB Ports:** Three USB 3.2 Gen2 ports and one USB 2.0 port are available for peripherals.
- **LAN Port:** Connect to your network using the RJ45 2500Mbps port for high-speed wired internet.
- **Audio Jack:** A 3.5mm audio jack is available for headphones and microphones.

Easy installation

Wall-Mounted bracket

SER5 5500U

1. Fix bracket on MINI PC with screws.
2. Fix the bracket on the back of display with screws.

Image: Detailed view of the front and rear ports of the Beelink Mini PC, including USB, HDMI, DP, LAN, and audio jacks.

2. Powering On

Connect the 19V-3A 57W power adapter to the DC Jack on the Mini PC, then plug it into a power outlet. Press the red power button on the front of the device to turn it on.

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Video: This video demonstrates the initial power-on process and the first boot sequence of the Beelink SER5 Mini PC, showing the Windows 11 setup screen.

3. Operating System Setup (Windows 11 Pro)

The Beelink Mini PC comes with Windows 11 Pro pre-installed. Follow the on-screen prompts to complete the initial setup, including language selection, network connection, Microsoft account login, and privacy settings.
For advanced BIOS settings, press the "Delete" key during startup. To enter the boot options menu, press "F7".

4. VESA Mount Installation

The included VESA mount allows you to attach the Mini PC to the back of a compatible monitor, saving desk space. Use the provided screws to fix the bracket to the Mini PC and then to the VESA mounting holes on your display.

WiFi 6 supports faster transmission speed

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

WiFi 6

Bluetooth 5.2

| Wifi 5 1x1 | 433Mbps |
| Wifi 6 2x2 | 2400 Mbps(2.4 Gbps) |

Image: Step-by-step diagram illustrating how to attach the Beelink Mini PC to a monitor using the VESA mount.

OPERATING YOUR MINI PC

Performance Overview

The Beelink SER5 Mini PC is powered by an AMD Ryzen 5 5500U processor (6 cores/12 threads, up to 4.0GHz) with AMD Radeon Graphics 7Core (1800MHz). This configuration provides robust performance for office tasks, home entertainment, light gaming (e.g., LOL, DOTA2, CSGO), and 4K video playback.
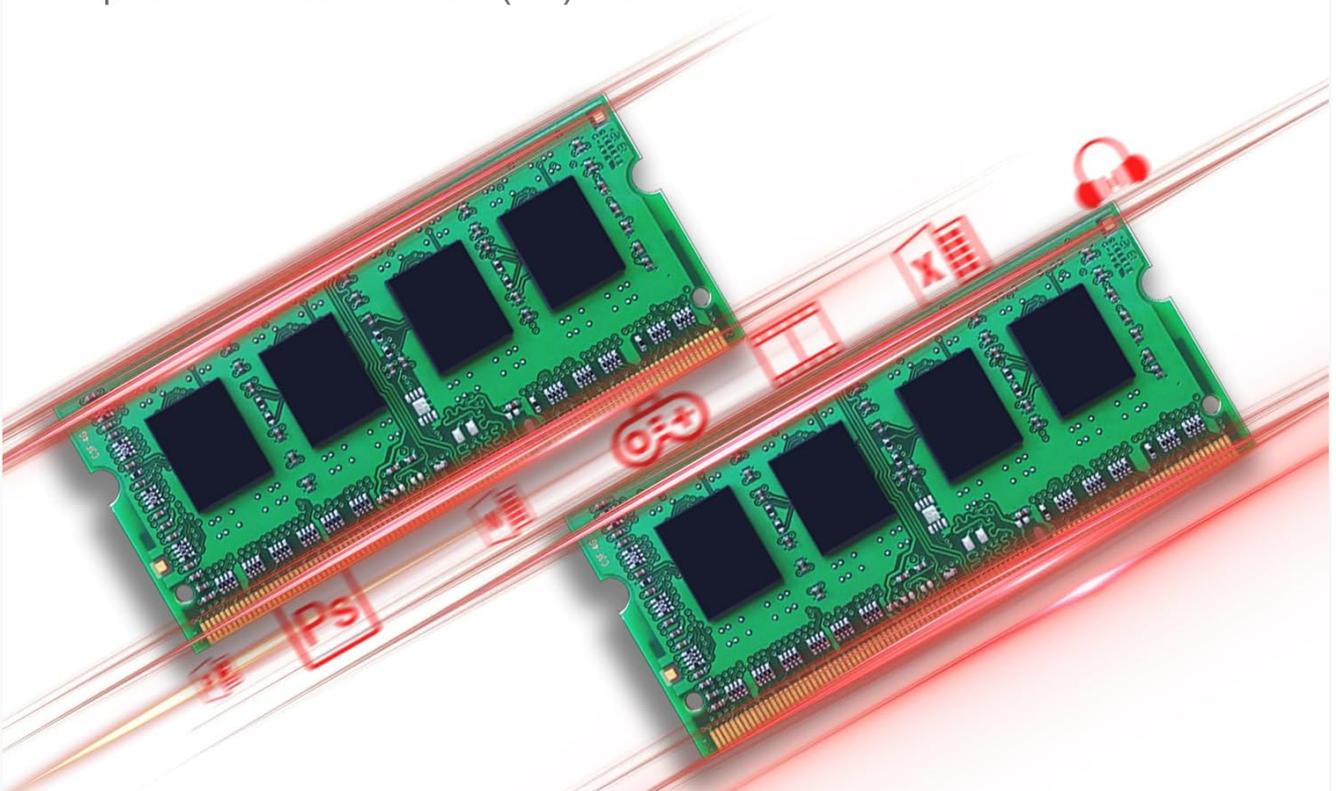
Image: A chart comparing the performance of the AMD Ryzen 5 5500U processor against other CPUs in Cinebench 20 multi-core scores.

Multi-Display Support

Leverage the triple display support (HDMI, DP, Type-C) to enhance productivity or create an immersive entertainment setup. The device can smoothly play 4K@60fps videos across multiple screens.

Image: The Beelink Mini PC connected to three monitors, demonstrating its triple display support for various tasks like design, gaming, movies, and office work.

Wireless Connectivity

Equipped with WiFi 6 (802.11ax) for speeds up to 2.4Gbps and Bluetooth 5.2, ensuring faster and more stable data transmission for all your wireless devices and network needs.

Image: The Beelink Mini PC highlighting its WiFi 6 and Bluetooth 5.2 capabilities for high-speed and reliable wireless connections.

MAINTENANCE AND UPGRADES
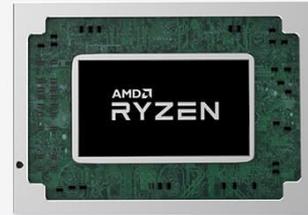
Memory (RAM) Upgrade

The SER5 Pro mini PC comes with 16GB SO-DIMM DDR4 RAM (2 x 8GB, 3200MHz). It supports dual-channel DDR4 and is upgradeable to a maximum of 64GB (2 x 32GB).

Quiet cooling fan
Fan + Heat Sink

Triple display support
Meet all your daily needs, working & entertaining

ABS Plastic

AMD Radeon™ Graphics
7-cores 1800MHz

Max DDR4 3200 MHz
Max Dual channel 64G

AMD Ryzen™ 5 5500U
4.0GHz 6C/12T

M.2 2280 NVME SSD
Max 4TB

Faster and more stable
Wi-Fi 6+Bluetooth 5.2

Image: Two DDR4 3200MHz SO-DIMM RAM modules, illustrating the upgrade potential for the Beelink Mini PC.

Storage (SSD/HDD) Expansion

The device includes a 500GB M.2 NVMe PCIe3.0 X4 2280 SSD, which can be upgraded to a maximum of 4TB. Additionally, it supports up to 4TB external 2.5-inch 7mm HDD expansion (HDD not included).

AMD Ryzen™ 5 5500U Running score

Cinebench 20 multi-core running score

AMD Ryzen 5 5500U — 2760

Core i7-7700K — 2480

Core i7-1165G7 — 2169

Core i5-10300H — 2125
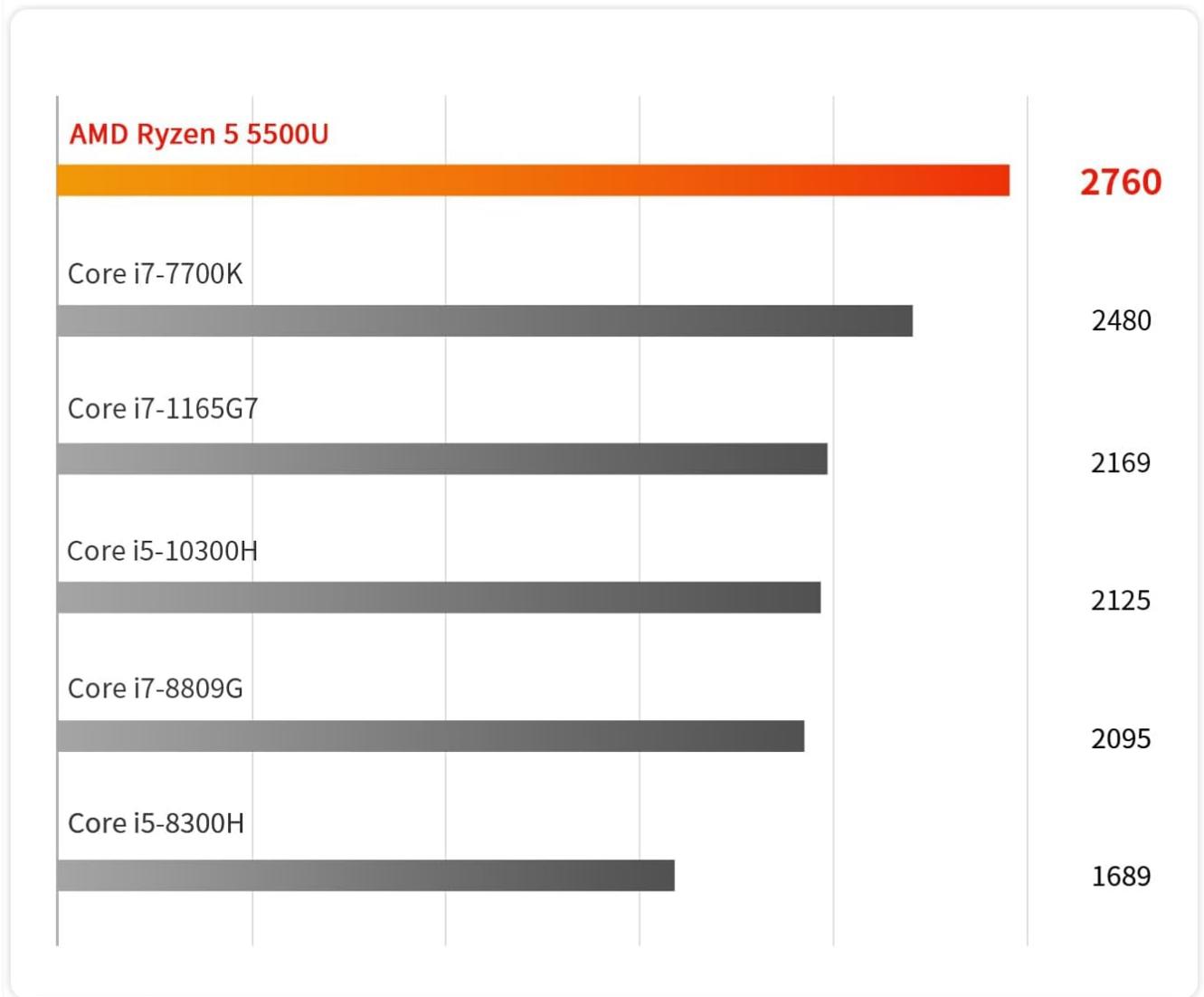
Core i7-8809G — 2095

Core i5-8300H — 1689

Image: A detailed view of an M.2 NVMe 2280 SSD, highlighting its high-speed data transfer capabilities for the Mini PC.

For detailed instructions on upgrading the SSD or adding an HDD, refer to the "Hard Disk Installation Guide" included in the box or scan the QR code provided in the guide for a tutorial video.

Cooling System

The Mini PC features a unique heat pipe with a copper plate and a large cooling fan to efficiently dissipate heat, ensuring stable performance even under heavy loads. The durable ABS plastic casing also contributes to effective heat management.

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Video: A short video showcasing the internal cooling system of the Beelink SER5 Mini PC, highlighting the heat pipe and fan design.

TROUBLESHOOTING

If you encounter any issues with your Beelink Mini PC, consider the following common solutions:

- **No Power:** Ensure the power adapter is securely connected to both the Mini PC and a working power outlet.
- **No Display:** Check all HDMI/DP/Type-C cable connections to your monitor(s). Ensure the monitor is set to the correct input source.
- **System Freezes/Crashes:** Restart the Mini PC. If issues persist, consider checking for Windows updates or performing a system restore.
- **AMD Graphics Driver Issues:** Occasionally, AMD graphics drivers may crash. The system usually recovers automatically. Ensure your drivers are up to date.
- **Auto Power On:** If you need to enable Auto Power On, contact Beelink customer service with the barcode at the bottom of your machine for a specific tutorial file.
- **Product Defect:** If you find the Mini PC is defective, contact customer service for assistance.

SPECIFICATIONS

Feature	Detail
Brand	Beelink
Model	SER
Processor	AMD Ryzen 5 5500U (6C/12T, Up to 4.0GHz)
Graphics Coprocessor	AMD Radeon Graphics 7Core 1800 MHz
RAM	16 GB DDR4 (Expandable to 64GB)
Hard Drive	500 GB M.2 NVMe 2280 SSD (Expandable to 4TB)
Operating System	Windows 11 Pro
Max Screen Resolution	3840 x 2160 pixels (4K)
Wireless Type	Bluetooth 5.2, 802.11ax (WiFi 6)
LAN	RJ45 2500Mbps
Ports	3*USB3.2 Gen2, 1*USB2.0, 1*Type-C (Data&Video), 1*DC Jack, 1*RJ45, 1*3.5mm Audio Jack (HP&MIC), HDMI, DP
Item Weight	1.98 pounds
Color	Black
Certifications	CE, EMC, FCC, RoHS

WARRANTY AND SUPPORT

Beelink provides comprehensive support for your Mini PC:

- **Technical Support:** 24/7 day technical support is available. For any product-related questions, you can contact Beelink customer service.
- **Warranty:** The product comes with a 12-month return and exchange warranty.
- **After-Sale Service:** Lifetime after-sale service and technical support are provided.

For specific inquiries or to utilize warranty services, please contact Beelink USA Official through the Amazon messaging system or visit their official website.