Beelink SER5 5825U RPO 16G+500GB

Beelink SER5 Mini PC User Manual

Model: SER5 5825U RPO 16G+500GB | Brand: Beelink

1. PRODUCT OVERVIEW

The Beelink SER5 Mini PC is a high-performance, compact computer designed for a wide range of applications, from office productivity and home entertainment to light gaming and graphic design. Featuring an AMD Ryzen 7 5825U PRO processor, ample RAM, and fast SSD storage, it offers robust performance in a small form factor.

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

2. KEY FEATURES

- **High Performance Processor:** Built-in AMD Ryzen 7 5825U PRO CPU (8 core/16 thread, up to 4.5GHz) for

efficient multitasking and demanding applications.

- **Ample Memory & Storage:** Equipped with 16GB 3200MHz DDR4 RAM (upgradable to 64GB) and a 500GB M.2 2280 PCIe x4 SSD (support up to 4TB).

- **Triple 4K Display Support:** Integrates AMD Radeon Graphics 8 core 2000 MHz, supporting three 4K displays (1*HDMI + 1*DP + Type-C) for enhanced productivity.

- **Advanced Connectivity:** Features WiFi6, Bluetooth 5.2, and a RJ45 LAN port supporting 1000Mbps Ethernet for fast and reliable connections.

- **Efficient Cooling System:** Designed with a heat sink and cooling fan for improved heat dissipation, ensuring stable performance.

- **Compact Design:** Measuring approximately 4.96 x 4.44 x 1.65 inches, it is easy to carry and saves desk space.

AMD Ryzen™ 7 5825U

Processor Base Frequency:2.0GHz/Max Turbo Frequency:4.5GHz
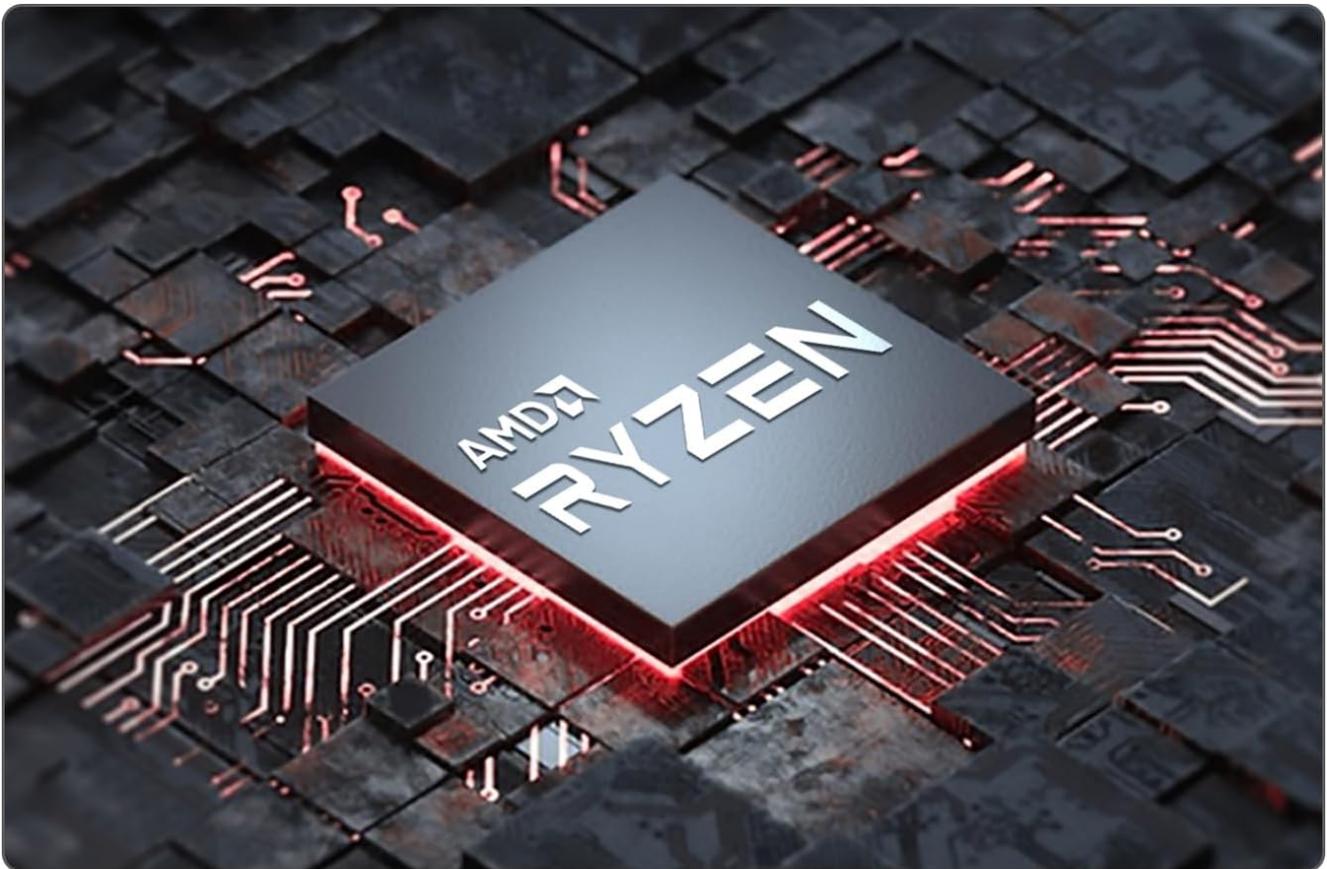
| **4.5**GHz	**2000**MHz	**7**nm	**64**GB
CPU	Graphics Card	Processor Technology	Max Memory
8 Cores 16 Threads	Frequency	for CPU Cores	Size

Image 2.1: Detailed view of the AMD Ryzen 7 5825U processor, highlighting its core and thread count, and max turbo frequency.

Up to **64GB** DDR RAM

There are dual SO-DIMM RAM slots on the motherboard. Each slot supports DDR4-3200MHz RAM of up to 32GB, and you can have a maximum of 64GB dual-channel RAM.

Ps **Ae** **Pr** **Ai** **Dw** **Xd**
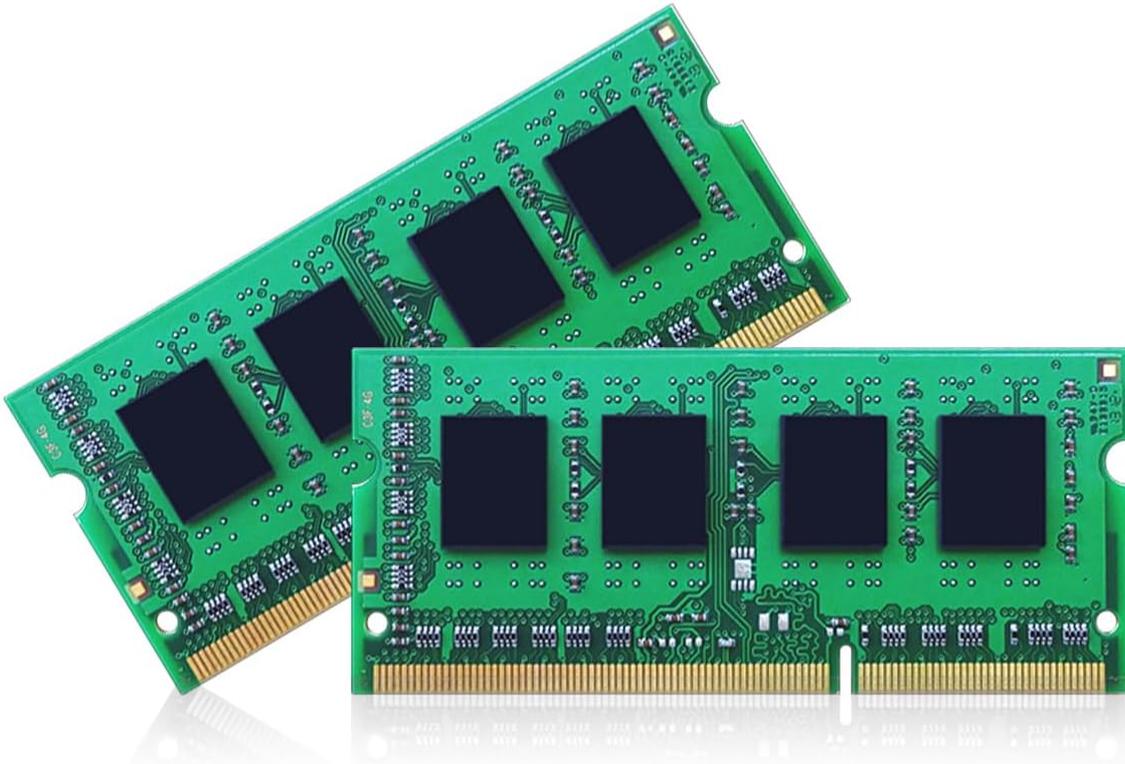
*The SER5 Pro ships with dual-channel DDR4 RAM of 16GB(8GBx2)

Image 2.2: Illustration of the dual SO-DIMM RAM slots, supporting up to 64GB DDR4-3200MHz RAM.

M.2 PCIe x4 SSD

Up to 4TB M.2 2280 NVMe SSD

*The SER5 Pro ships with an SSD of 500GB

Image 2.3: View of the M.2 2280 NVMe SSD, which supports up to 4TB of storage.

Image 2.4: Diagram illustrating the high-speed capabilities of WiFi 6 and Bluetooth 5.2 for network and peripheral connections.

Image 2.5: Visual representation of the cooling fan and heat sink components, designed for optimal heat dissipation.

3. WHAT'S IN THE BOX

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

- 1* Beelink SER5 5825u PRO Mini PC
- 1* HDMI Cable (100CM)
- 1* Power adapter (19V/3.42A)
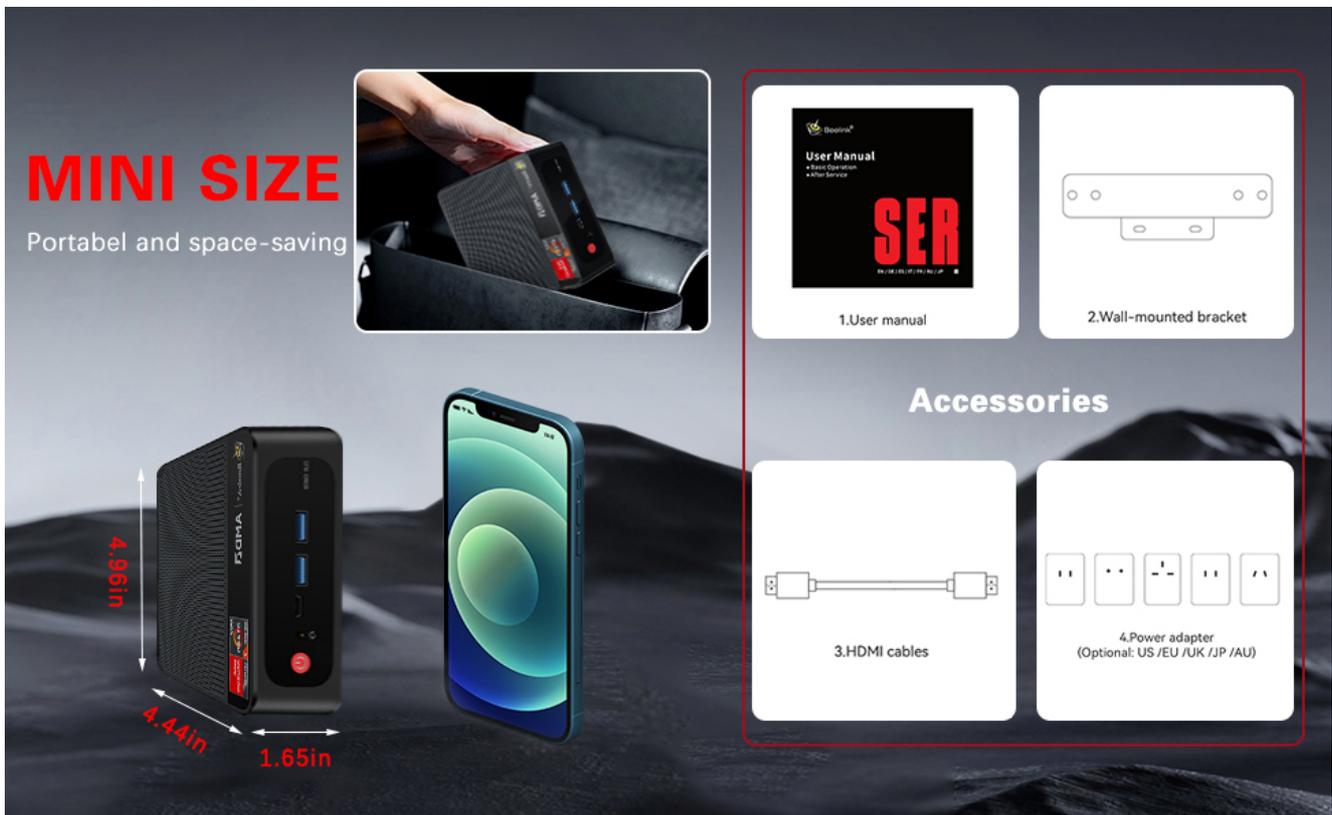- 1* User Manual
- 1* Wall-Mounted bracket

Image 3.1: Visual guide to the contents of the Beelink SER5 Mini PC package, including the PC, cables, power adapter, user manual, and wall-mount bracket.

4. SETUP GUIDE

Follow these steps to set up your Beelink SER5 Mini PC:

1. **Connect to Power:** Plug the power adapter into the DC jack on the Mini PC and then into a power outlet.

2. **Connect to Display:** Use the provided HDMI cable to connect the Mini PC to your monitor or TV. For triple display setup, use the HDMI, DisplayPort (DP), and Type-C ports.

3. **Connect Peripherals:** Plug in your keyboard, mouse, and any other USB devices into the available USB ports.

4. **Network Connection:** For wired internet, connect an Ethernet cable to the RJ45 LAN port. For wireless internet, the Mini PC supports WiFi6.

5. **Power On:** Press the power button on the front of the Mini PC to turn it on.

Image 4.1: Instructions for wall-mounted installation using the included bracket, allowing for a clutter-free setup behind a monitor.

5. OPERATING INSTRUCTIONS

The Beelink SER5 Mini PC comes pre-installed with an operating system, ready for immediate use. Its powerful specifications allow for smooth operation across various tasks.

5.1 Multi-Display Setup

The Mini PC supports up to three 4K displays simultaneously, enabling a highly productive workspace or immersive entertainment experience. Connect additional monitors to the available HDMI, DisplayPort, and Type-C video outputs.

Triple display support

Meet all your daily needs, working & entertaining

Design   **Game**   **Movie**   **Office**

Image 5.1: Example of a triple monitor setup, demonstrating the Beelink SER5 Mini PC's capability to support multiple displays for enhanced productivity.
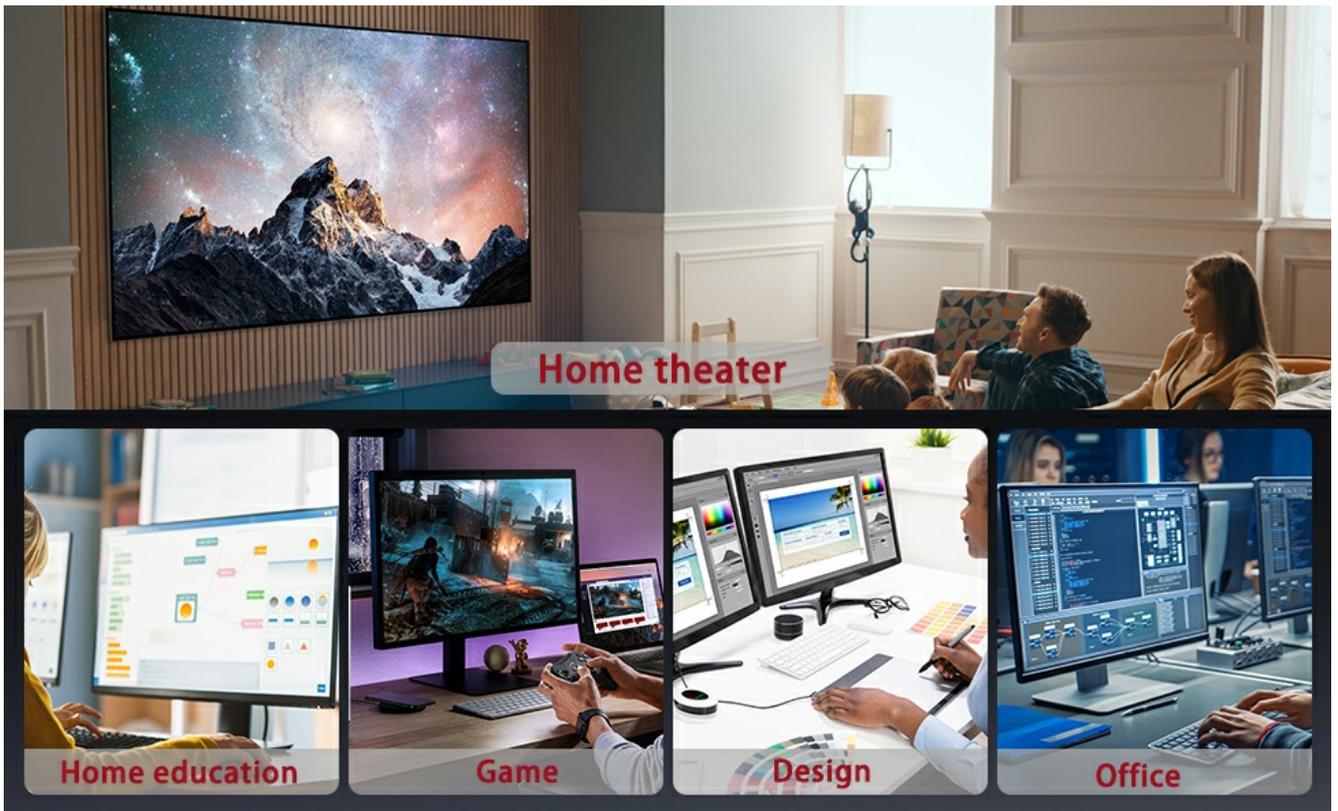
Home theater

Home education   Game   Design   Office

5.2 Application Usage

This Mini PC is suitable for a variety of applications:

- **Office & Business:** Easily handles spreadsheets, presentations, email, and coding applications.
- **Content Creation:** Supports photo/video editing software like PS, PR, AI.
- **Gaming:** Capable of running light games such as CSGO, PUBG, DOTA 2, LOL.
- **Home Entertainment:** Ideal for 4K UHD video playback and streaming.
- **Education:** Suitable for online learning and educational software.

Image 5.3: Visual examples of the Mini PC's versatility across various applications including meetings, office work, home theater, graphic design, education, and video editing.

Video 5.4: An introductory video showcasing the Beelink SER5 5825U Mini PC's features and capabilities. This video highlights the compact design, powerful processor, and various connectivity options.

6. MAINTENANCE

To ensure the longevity and optimal performance of your Beelink SER5 Mini PC, consider the following maintenance tips:
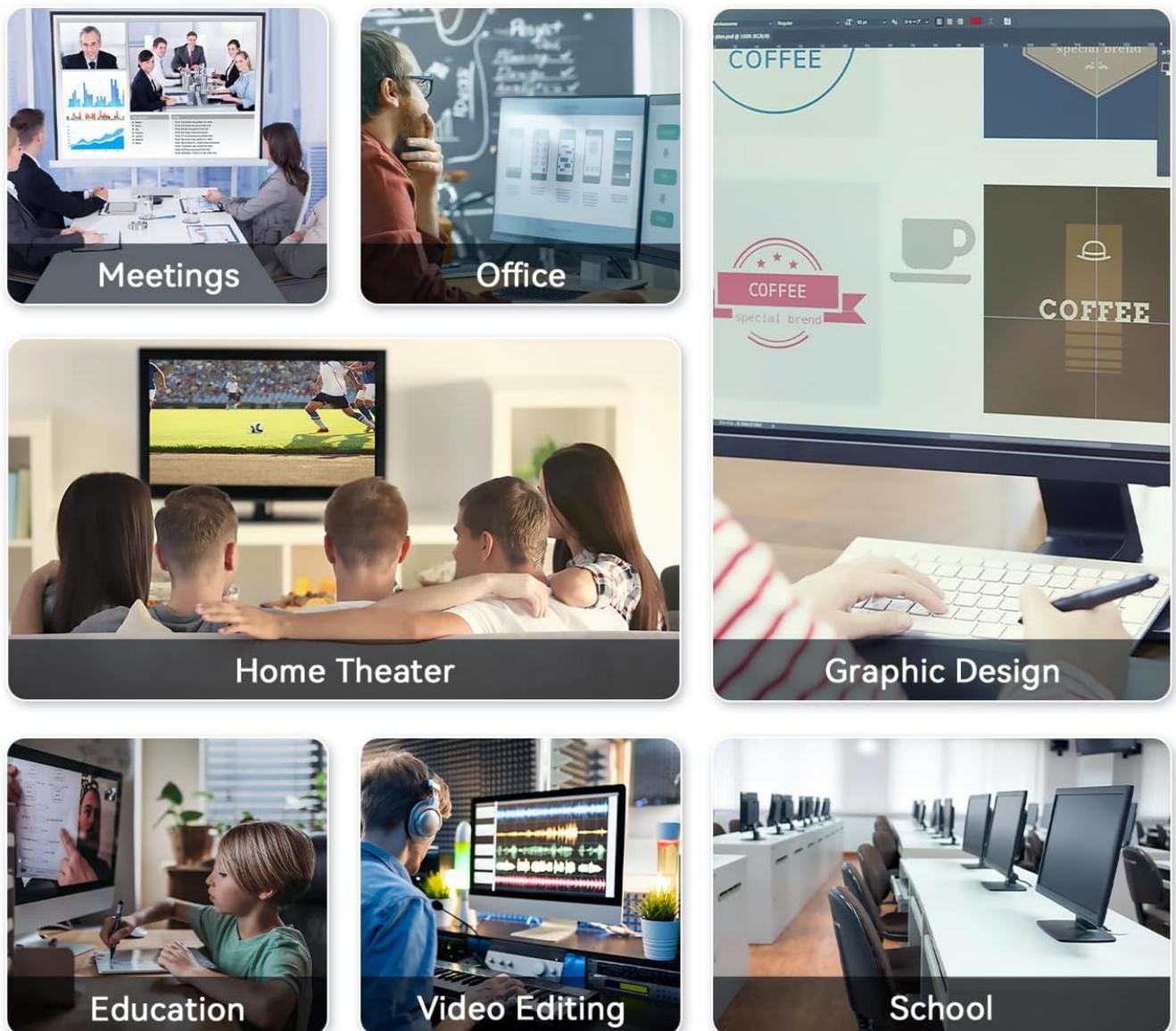
- **Keep Vents Clear:** Ensure the ventilation holes are not obstructed to allow for proper airflow and heat dissipation.
- **Regular Cleaning:** Periodically clean the exterior of the Mini PC with a soft, dry cloth. Avoid using liquid cleaners directly on the device.
- **Software Updates:** Keep your operating system and drivers updated to benefit from performance improvements and security patches.
- **Environmental Conditions:** Operate the Mini PC within the recommended temperature and humidity ranges (Operating Environment: -10°C to 45°C, 30%~90% Humidity).

7. TROUBLESHOOTING

If you encounter any issues with your Beelink SER5 Mini PC, please refer to the following common troubleshooting steps:

- **No Power:** Ensure the power adapter is securely connected to both the Mini PC and a working power outlet. Try a different outlet if necessary.
- **No Display:** Check all display cable connections (HDMI, DP, Type-C) to your monitor. Ensure the monitor is set to the correct input source.
- **Slow Performance:** Close unnecessary applications. Check for background processes consuming high resources. Ensure sufficient free storage space on the SSD.
- **Network Connectivity Issues:** For wired connections, check the Ethernet cable and router. For Wi-Fi, ensure the Wi-Fi adapter is enabled and you are connected to the correct network.
- **Peripheral Not Recognized:** Try connecting the peripheral to a different USB port. Ensure drivers for the peripheral are installed if required.

For more complex issues or if the problem persists, please contact Beelink customer service for assistance.

8. SPECIFICATIONS

Detailed technical specifications for the Beelink SER5 Mini PC:

Feature	Specification
Model Number	SER5 5825U RPO 16G+500GB
Processor	AMD Ryzen 7 5825U PRO (8 Cores/16 Threads, up to 4.5GHz)
Graphics	AMD Radeon Graphics 8 Core 2000 MHz
RAM	16GB DDR4 (3200MHz, 2 SO-DIMM slots, Max 64GB)
Storage	500GB M.2 2280 PCIe x4 SSD (Supports up to 4TB)
Expandable Storage	1 x SATA HDD (2.5 inch 7mm) Slot
Video Output	1x 4K 60Hz HDMI, 1x DisplayPort, 1x Type-C (Data & Video)
USB Ports	3x USB3.2 Gen2 (10Gbps), 1x USB2.0
Network	WiFi 6 (802.11ax), Bluetooth 5.2, 1x LAN 2.5Gbps

Feature	Specification
Audio	1x Audio Jack (HP&MIC)
Dimensions	4.96 x 4.44 x 1.65 inches (126 x 113 x 42mm)
Operating System	OS (Pre-installed)
Power Adapter	19V/3.42A

Product Specification

☑ Dimension	4.96*4.44*1.65 inch(126*113*42mm)			☑ Additional function	WOL
					AUTO POWER ON
☑ CPU	AMD Ryzen™ 7 5825U 2-4.5GHz 8C/16T L2 4MB L3 16MB			☑ Power LED	1
☑ Graphics	AMD Radeon™ Graphics 8core 2000 MHz			☑ Power Button	1
☑ Wireless LAN	WiFi 6 (AX200) Bluetooth 5.2			☑ Adapter	19V/3.42A Certification
☑ System disk	M.2 2280 PCIe ×4	1			Input: 100-240V AC, 50/60Hz , Output: 19V/3.42A
☑ Internal slot	SO-DIMM DDR4 3200MHz Slot	2			
	SATA HDD(2.5inch 7mm)Slot	1		☑ Operating Environment	-10℃～45℃, 30%～90% Humidity
☑ Interface	DC Jack	1		☑ Storage Environment	-20℃～60℃, 10%～90% Humidity
	USB3.2 Gen2(10Gbps)	3			
	LAN 2.5Gbps	1		☑ Accessories	Wall-Mounted bracket
	4K 60Hz HDMI	1			
	DisplayPort	1			HDMI 100CM
	Audio Jack (HP&MIC)	1			Adapter19V/3.42A
	Type-C (Data&Video)	1			
	USB2.0	1			

Image 8.1: A comprehensive table detailing the product specifications, including dimensions, CPU, graphics, wireless, system disk, internal slots, and interfaces.

9. WARRANTY AND SUPPORT

Beelink is committed to providing excellent customer service and support for your Mini PC.

- **Warranty:** The Beelink SER5 Mini PC comes with a 1-Year Free Warranty.
- **Technical Support:** Lifetime technical issue assistance is available.

- **Customer Service:** 7 Days/24 Hours Serving is provided for all inquiries.

- **Certifications:** All Beelink mini PCs have obtained FCC, CE, and ROSH Certifications.

For any technical assistance or inquiries, please email our customer service team. You can also visit the official Beelink store for more information and products: Beelink Store.