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Beelink SER8

Beelink SER8 Mini PC User Manual

Model: SER8

Introduction

This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your Beelink SER8 Mini PC. The Beelink SER8 is a high-performance mini computer equipped with an AMD Ryzen 7 8845HS processor, 64GB DDR5 RAM, and a 1TB M.2 NVMe SSD, designed for various applications including business, home entertainment, and light gaming. Please read this manual thoroughly to ensure optimal performance and longevity of your device.

Setup Guide

1. Unboxing and Package Contents

Carefully unpack your Beelink SER8 Mini PC. Verify that all components are present.

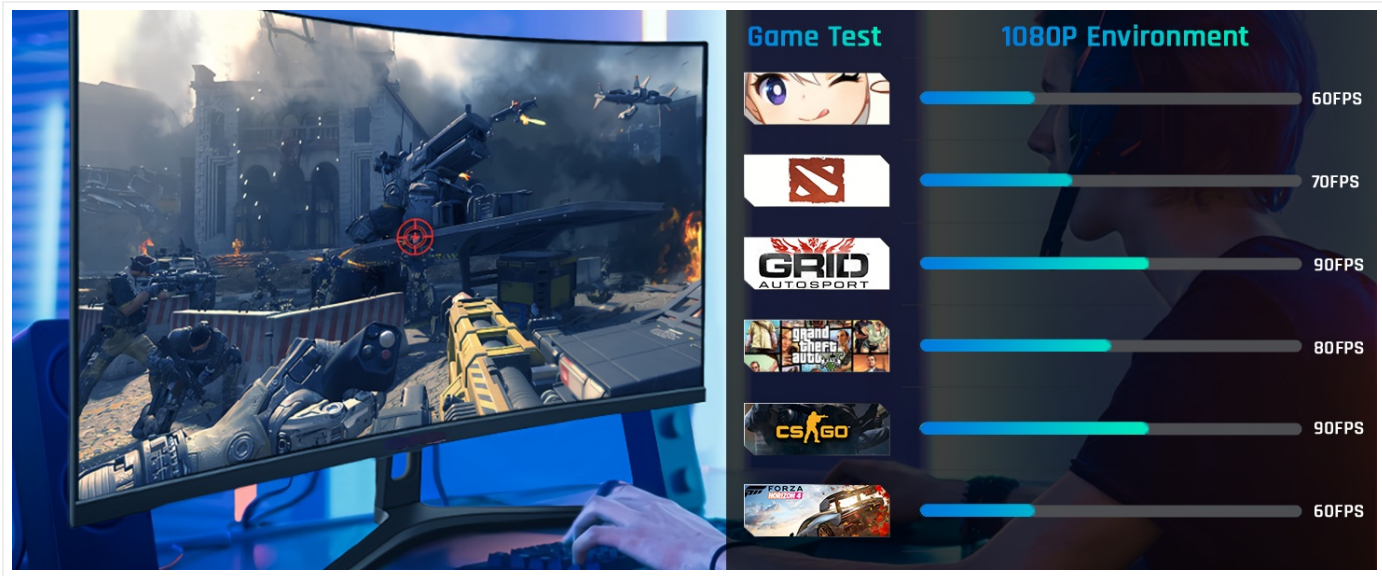


Image: Included accessories for the Beelink SER8 Mini PC, showing the user manual, an HDMI cable, and a power adapter with various regional plug options.

The package typically includes:

- Beelink SER8 Mini PC Unit

- Power Adapter (with regional plug options)
- HDMI Cable (100CM)
- User Manual

2. Connecting Peripherals

Before powering on, connect your essential peripherals.

1. **Display:** Connect your monitor(s) to the Mini PC using the HDMI, DisplayPort, or USB-C (USB4) ports. The SER8 supports up to three displays simultaneously at 4K@144Hz.
2. **Keyboard & Mouse:** Connect your USB keyboard and mouse to the available USB 2.0 or USB 3.2 ports.
3. **Network:** For a wired connection, connect an Ethernet cable to the 2.5Gbps LAN port. For wireless, ensure your WiFi network is available.
4. **Power:** Connect the power adapter to the DC Jack on the Mini PC, then plug it into a power outlet.



Image: Front and rear views of the Beelink SER8 Mini PC, highlighting its various connectivity ports such as USB, LAN, DisplayPort, HDMI, and USB-C.

3. Initial Power-On and Operating System Installation

Press the power button on the front of the Mini PC. The device will boot up. If Windows 11 Pro is not pre-installed or requires reinstallation, follow the on-screen prompts.

Your browser does not support the video tag.

Video: This video demonstrates the process of installing Windows 11 on a Beelink Mini PC. It covers accepting license terms and selecting installation drive options.

Operating Instructions

1. Basic Operation

Once the operating system is installed and configured, your Beelink SER8 Mini PC is ready for use. Navigate the desktop, launch applications, and manage files as you would with any standard computer.

2. Display Configuration

The Beelink SER8 supports triple display output. You can connect up to three monitors using a combination of HDMI 2.1, DisplayPort 1.4, and the full-featured USB4 port. This allows for extended desktop environments, ideal for multitasking or

complex workflows.



Image: A Beelink SER8 Mini PC demonstrating its triple-display capability, connected to three monitors displaying various applications.

To configure multiple displays in Windows:

1. Right-click on the desktop and select "Display settings".
2. Detect and arrange your displays as desired.
3. Choose your preferred display mode (Extend, Duplicate, or Show only on 1/2/3).

3. Network Connectivity

- **Wired (Ethernet):** Connect an RJ-45 Ethernet cable to the 2.5Gbps LAN port for a high-speed wired internet connection.
- **Wireless (Wi-Fi):** The Mini PC supports WiFi 6 (802.11ax). To connect, go to your operating system's network settings, select your Wi-Fi network, and enter the password.
- **Bluetooth:** Built-in Bluetooth 5.2 allows you to connect wireless peripherals such as keyboards, mice, and headphones. Access Bluetooth settings in your operating system to pair devices.

4. USB and Audio Ports

The Beelink SER8 features a variety of ports for connecting external devices:

- **USB 3.2 (10Gbps):** Two ports for high-speed data transfer with compatible devices.
- **USB 2.0:** Two ports for standard peripherals.
- **USB-C (USB4 40Gbps):** One full-featured USB4 port for ultra-fast data transfer, video output, and power delivery (if supported by the connected device).
- **USB-C (10Gbps):** One additional USB-C port for high-speed data transfer.
- **Audio Jack (HP&MIC):** A combined headphone and microphone jack for audio input and output.

Maintenance

1. Cooling System (MSC2.0)

The Beelink SER8 features an advanced MSC2.0 cooling system with a vapor chamber and dustproof design. This system ensures efficient heat dissipation and near-silent operation even under a 65W TDP workload. Regular cleaning of external vents with compressed air can help maintain optimal airflow.



Image: Diagram illustrating the MSC2.0 cooling system with airflow design, low decibel operation, integrated AI chip, and dustproof features of the Beelink SER8 Mini PC.

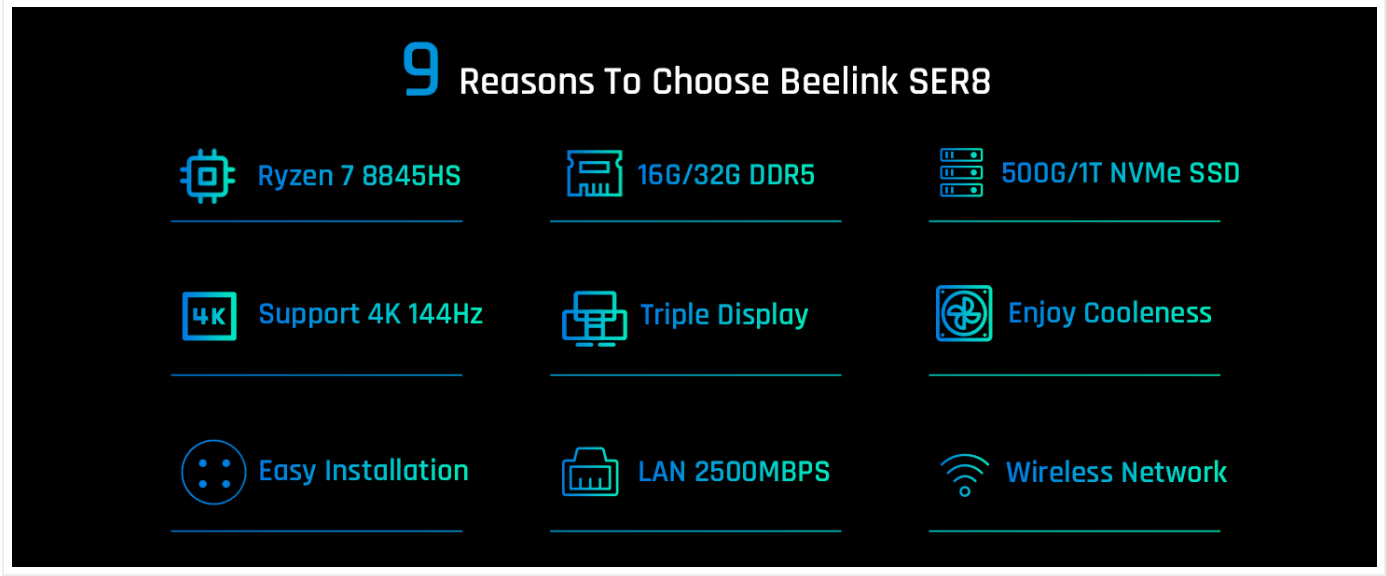


Image: An exploded view of the MSC2.0 Vapor Chamber, detailing its components and how it quickly distributes CPU heat for efficient dissipation.

2. Storage and Memory Upgrades

The Beelink SER8 Mini PC supports upgrades for both RAM and SSD storage.

- **RAM:** The device comes with 64GB DDR5 memory and supports dual-channel DDR5 5600MHz RAM up to 256GB.
- **SSD:** It includes a 1TB M.2 2280 NVMe SSD and supports dual M.2 PCIe 4.0 SSD slots, allowing for up to 8TB of fast internal storage.

For upgrades, it is recommended to consult a professional or refer to specific upgrade guides provided by Beelink to avoid damaging the components.



Image: An illustration of the Beelink SER8 Mini PC's internal layout, highlighting the dual-channel DDR5 SO-DIMM slots and dual M.2 PCIe 4.0 NVMe SSD slots for storage expansion.



Image: An exploded diagram showing the internal structure of the Beelink SER8 Mini PC, including the metal case, VC Vapor Chamber, motherboard, SO-DIMM DDR5, SSD heatsink, M.2 2280 PCIe4.0 SSD, CPU, silent fan, dust filter, and plastic bottom panel.

Troubleshooting

This section provides solutions to common issues you might encounter with your Beelink SER8 Mini PC.

No Power / System Not Starting

- 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.
- Try a different power outlet if available.

No Display Output

- Check that the monitor is powered on and the correct input source is selected.
- Ensure the HDMI, DisplayPort, or USB-C cable is securely connected to both the Mini PC and the monitor.
- Try a different display cable or monitor if possible.
- If using multiple displays, try connecting only one display to isolate the issue.

Network Connectivity Issues

- **Wired:** Check the Ethernet cable connection. Ensure your router/modem is working correctly.
- **Wireless:** Verify that Wi-Fi is enabled in your operating system settings. Ensure you are connecting to the correct network and entering the password accurately. Restart your router/modem.
- Update network drivers if necessary.

Slow Performance

- Close unnecessary applications running in the background.
- Check for sufficient free storage space on your SSD.
- Ensure your operating system and drivers are up to date.
- Monitor CPU and RAM usage to identify resource-intensive processes.
- Ensure the Mini PC is in a well-ventilated area to prevent overheating, which can lead to performance throttling.

Technical Specifications

Feature	Specification
Model Name	Beelink SER8
Processor	AMD Ryzen 7 8845HS (8 Cores/16 Threads, up to 5.1GHz)
Graphics	AMD Radeon 780M (Integrated, 12 Cores, 2700 MHz)
RAM	64GB DDR5 (5600MHz, upgradeable to 256GB)
Storage	1TB M.2 2280 NVMe PCIe 4.0 SSD (Dual slots, up to 8TB)
Operating System	Windows 11 Pro
Video Output	1x HDMI 2.1, 1x DisplayPort 1.4, 1x USB4 (4K@144Hz Triple Display)
USB Ports	2x USB 3.2 (10Gbps), 2x USB 2.0, 1x USB-C (USB4 40Gbps), 1x USB-C (10Gbps)
Network	2.5Gbps Ethernet LAN (RJ-45), WiFi 6 (802.11ax), Bluetooth 5.2
Audio	1x Audio Jack (HP&MIC)
Cooling System	MSC2.0 Vapor Chamber with Dustproof Design
Dimensions	0.814 L (Volume)
Weight	0.75 kg

Warranty and Support

Warranty Information

Your Beelink SER8 Mini PC comes with a **1-Year Warranty** from the date of purchase. This warranty covers manufacturing defects and hardware malfunctions under normal use. Please retain your proof of purchase for warranty claims.

Technical Support

Beelink offers lifetime technical support and 24/7 after-sales service. If you encounter any issues or have questions regarding your Mini PC, please do not hesitate to contact our support team.
You can typically find contact information on the official Beelink website or through the retailer where you purchased the product.

Your browser does not support the video tag.

Video: This video provides instructions on how to contact Beelink customer support for assistance with your product.

For further assistance, please visit the Beelink Store on Amazon.

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