



[Manuals.plus](#) /

> [Beelink](#) /

> Beelink EQR7 Mini PC User Manual - AMD Ryzen 5 7535U, 32GB RAM, 1TB SSD

Beelink EQR7

Beelink EQR7 Mini PC User Manual

Model: EQR7 | Brand: Beelink

[Setup](#)

[Operating](#)

[Maintenance](#)

[Troubleshooting](#)

[Specifications](#)

[Support](#)

1. SETUP

1.1 Initial Setup

To avoid initial setup problems, follow these steps the first time you use the Beelink Mini PC:

1. Do not connect to the network or Wi-Fi until the operating system is fully loaded.
2. Skip any email login steps during the initial setup process.
3. If using a wired network and encountering issues loading the OS, disconnect the wired network, restart the machine, and connect to the network after successfully entering the operating system.
4. If connected to Wi-Fi and the OS fails to load, turn off your router.

1.2 Physical Connections

The Beelink EQR7 Mini PC features a variety of ports for connectivity. Ensure all cables are securely connected.

Dual Gigabit Ethernet Jacks

The separation of internal and external networks enhances data security

1000M



Figure 1: Front and rear view of the Beelink EQR7 Mini PC showing various ports including USB, HDMI, USB-C, and Ethernet.

- **Front Ports:** 1x USB 3.2 (10Gbps), 1x 3.5mm Audio Jack (two-in-one), 1x USB-C (Data 10Gbps), Power Button.
- **Rear Ports:** 2x USB 3.2 (10Gbps), 1x USB 2.0, 2x HDMI (Max 4K@60Hz), 2x 1000Mbps Ethernet LAN (RJ-45), 1x AC Jack.

Connect your monitor(s) using the HDMI ports. For network connectivity, use the Ethernet ports or the built-in Wi-Fi 6.

1.3 Power On

Plug the power cable into the AC Jack on the rear of the Mini PC. Press the power button on the front panel to turn on the device. The power indicator light will illuminate white when the device is on.

Built-in 85W PSU

Simplify your space with less cable clutter and fewer power strips



Figure 2: The Beelink EQR7 Mini PC connected to a power outlet, highlighting its built-in power supply.

The EQR7 Mini PC features a built-in 85W power supply, simplifying cable management.

2. OPERATING THE BEELINK EQR7 MINI PC

2.1 General Usage

The Beelink EQR7 Mini PC is designed for efficient daily computing tasks, including office applications, web browsing, and 4K video playback. It comes pre-installed with Windows 11 Pro.

- **Dual Display:** Connect up to two monitors via the dual HDMI ports for enhanced multitasking.
- **Wireless Connectivity:** Utilize Wi-Fi 6 (802.11ax) for high-speed internet and Bluetooth 5.2 for connecting peripherals.

2.2 Performance Overview

The EQR7 Mini PC is equipped with a 6-core/12-thread AMD Ryzen 5 7535U processor (up to 4.55GHz) and AMD Radeon 660M GPU, providing robust performance for various applications.

- **Boot Speed:** The system typically boots into Windows 11 Pro in approximately 14 seconds.
- **SSD Speed:** The 1TB M.2 PCIe4.0 NVMe SSD offers read speeds of up to 5189 MB/s and write speeds of up to 4720 MB/s.
- **Power Consumption & Noise:** The device operates with low power consumption (around 10W in normal use) and maintains a quiet fan noise level (around 39-40 dB) even under full CPU load.

2.3 Gaming Performance

While not primarily a gaming PC, the Beelink EQR7 can handle light gaming and older titles at reasonable settings. Performance will vary depending on the game and graphics settings.

Your browser does not support the video tag.

Video 1: Review of the Beelink EQR6 (similar model) demonstrating gaming capabilities. This video is provided by Tech Brothers and is not an official Beelink instructional video.

3. MAINTENANCE AND UPGRADES

3.1 Internal Components

The Beelink EQR7 features a well-designed internal layout for its compact size. Key components include:

- **RAM:** 32GB LPDDR5 (2x 16GB Crucial SODIMM modules) operating in dual-channel mode.
- **SSD:** 1TB M.2 2280 NVMe PCIe 4.0 SSD (Crucial P3 Plus model). The device supports dual M.2 PCIe Gen4.0 SSDs, with a maximum capacity of 4TB.
- **Cooling System:** MSC2.0 Cooling System with heat fins, heat pipe, and a fan for efficient heat dissipation.

Rich Interfaces Wide range of interfaces meet all kinds of needs.

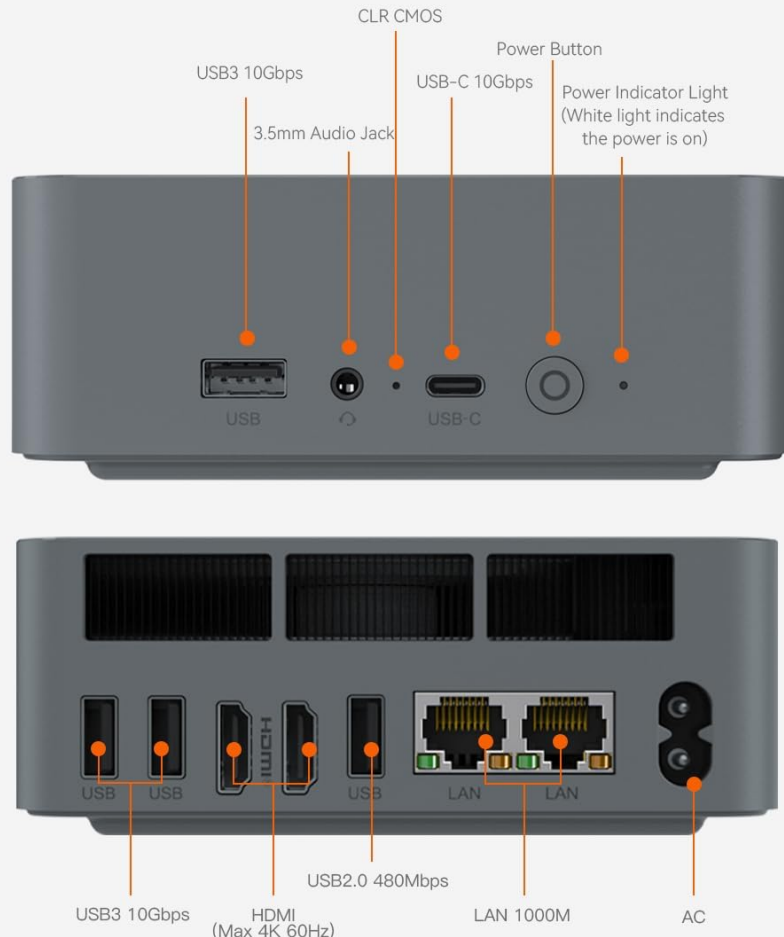


Figure 3: Exploded view of the Beelink EQR7 Mini PC showing its internal components including the silent fan, heat fins, motherboard, built-in PSU, SSD heat sink, and M.2 PCIe x4 slots.

3.2 Adding/Replacing Components

To access internal components for upgrades or maintenance, you will need to remove the bottom panel. This typically involves removing rubber plugs and unscrewing bolts.

Your browser does not support the video tag.

Video 2: Tutorial on how to replace the SSD in a Beelink Mini PC. This video is provided by Beelink Direct.

Your browser does not support the video tag.

Video 3: Instructions on how to add a hard drive to a Beelink Mini PC. This video is provided by Beelink Official.

4. TROUBLESHOOTING

4.1 Common Setup Issues

Refer to the "Initial Setup" section (1.1) for guidance on resolving common problems encountered during the first-time setup, especially related to network connectivity and OS loading.

4.2 Contacting Support

If you encounter issues not covered in this manual, please contact Beelink customer service for assistance. They offer lifetime technical support and 24/7 after-sales service.

Your browser does not support the video tag.

Video 4: Instructions on how to contact Beelink support. This video is provided by Beelink Direct.

5. SPECIFICATIONS

Feature	Detail
Model Name	Beelink EQR7
Processor	AMD Ryzen 5 7535U (6-core/12-thread, up to 4.55GHz)
Graphics	AMD Radeon 660M (6-core, 1900MHz)
RAM	32GB LPDDR5
Storage	1TB M.2 2280 NVMe PCIe4.0 SSD (Dual M.2 PCIe Gen4.0, Max 4TB)
Operating System	Windows 11 Pro
Video Output	2x HDMI (Max 4K@60Hz)
Network	Dual 1000Mbps Ethernet LAN, WiFi6 (802.11ax), Bluetooth 5.2
USB Ports	3x USB 3.2 (10Gbps), 1x USB 2.0, 1x USB-C (Data 10Gbps)
Audio	1x 3.5mm Phone Jack (Two-in-one)
Power Supply	Built-in 85W PSU
Dimensions	Approximately 125 x 125 x 50 mm (4.92 x 4.92 x 1.96 inches)
Weight	Approximately 0.95 kg (2.09 pounds)

6. WARRANTY AND SUPPORT

Beelink is dedicated to providing high-quality Mini PCs and excellent customer service. All Beelink Mini PCs undergo strict inspections before shipping.

- **Technical Support:** Lifetime technical support is available.
- **Warranty:** A 1-Year free warranty is included.

- **After-Sales Service:** 24/7 after-sales service is provided.
- **Certifications:** All products have obtained FCC, RoHS, and CE Certifications.

For any questions or support needs, please do not hesitate to contact Beelink Direct. Your satisfaction is 100% guaranteed.