Beelink EQR6 6800U
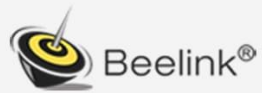
Beelink EQR6 Mini PC User Manual

Model: EQR6 6800U

1. INTRODUCTION

The Beelink EQR6 Mini PC is a compact and powerful computing solution designed for various applications, including productivity, office tasks, and light gaming. It features an AMD Ryzen 7 6800U processor, 24GB LPDDR5 RAM, and a 500GB M.2 PCIe 4.0x4 SSD, offering efficient performance in a small form factor.

Figure 1: Front view of the Beelink EQR6 Mini PC.

2. SETUP

2.1 Unboxing and Package Contents

Upon opening the package, verify that all components are present:

- 1x Beelink EQR6 6800U Mini PC
- 1x HDMI Cable
- 1x Power Adapter
- 1x User Manual

Figure 2: Included accessories for the Beelink EQR6 Mini PC.

2.2 Connecting Peripherals

Connect your monitor(s), keyboard, and mouse to the available ports on the Mini PC. The EQR6 features multiple interfaces for connectivity:

- 2x HDMI ports (supports 4K dual displays)
- 3x USB 3.2 ports
- 1x USB 2.0 port
- 1x USB-C port
- 2x LAN (1000M) ports
- 1x Audio Jack
- 1x AC Jack

AMD Ryzen™ 7 6800U

Effortless Work

4.7GHz
Max Turbo Frequency

8 Cores
CPU Cores "Zen 3+"
Microarchitecture

16 Threads
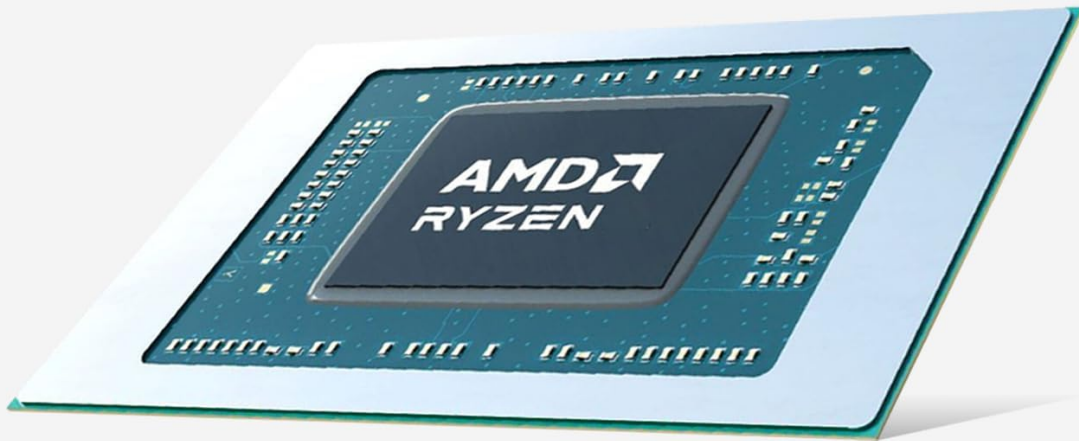TSMC 6nm FinFET 16MB
L3 Smart Cache

Figure 3: Rear and front interfaces of the Beelink EQR6 Mini PC.

2.3 Powering On

Connect the power adapter to the AC jack on the Mini PC and then plug it into a power outlet. Press the power button located on the front of the device to turn it on. The power indicator light will illuminate.

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Video 1: An introductory video for a similar Beelink Mini PC model (EQR5 6800U), demonstrating unboxing and initial setup steps. Note that the specific model shown in the video may vary slightly from the EQR6.

3. OPERATING INSTRUCTIONS

3.1 Initial Boot and Operating System Setup

Upon first power-on, the Mini PC will guide you through the operating system setup process. Follow the on-screen instructions to configure your preferences, network settings, and user accounts.

3.2 Display Configuration

The Beelink EQR6 supports 4K dual displays via its two HDMI ports. Connect your monitors and configure display settings through the operating system to extend or duplicate your desktop as needed. This enhances productivity for various tasks.
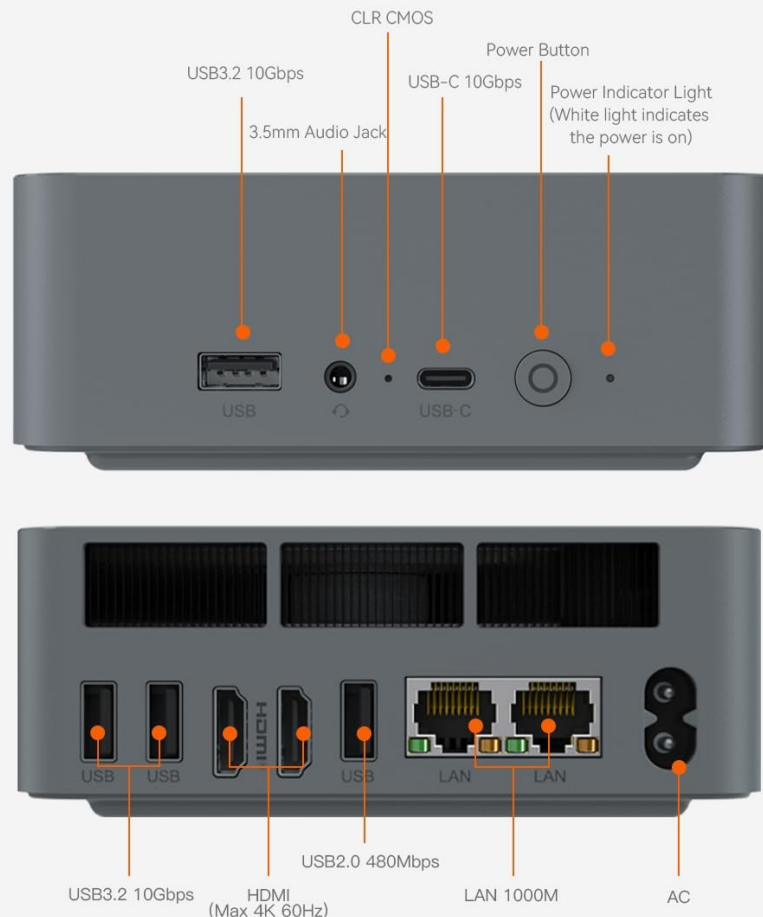

Figure 4: The Beelink EQR6 Mini PC supporting a dual-monitor setup for enhanced workflow.

3.3 Network and Wireless Connectivity

The Mini PC is equipped with WiFi 6 and Bluetooth 5.2 for wireless connectivity. It also features two 1000M LAN ports for stable wired network connections. Access network settings in your operating system to connect to available networks or configure wired connections.

4. MAINTENANCE

4.1 Cooling System

The Beelink EQR6 incorporates an MSC2.0 Cooling System designed for efficient heat dissipation. Air intake from the bottom helps reduce the temperature of the CPU, memory, and SSD. Ensure the air vents are not obstructed to maintain optimal cooling performance.

Figure 5: Illustration of the MSC2.0 Cooling System, showing airflow for efficient heat management.

4.2 Storage Expansion

The Mini PC includes a 500GB M.2 PCIe 4.0x4 SSD and is expandable up to 8TB (2x 4TB, not included). For storage upgrades, consult a qualified technician or refer to detailed instructions available on the Beelink support website to ensure proper installation and avoid damage.

4.3 General Care

Keep the Mini PC in a clean, dry environment. Avoid exposing it to extreme temperatures, direct sunlight, or excessive dust. Use a soft, dry cloth for cleaning the exterior. Do not use liquid cleaners or abrasive materials.

5. TROUBLESHOOTING

5.1 Common Issues and Solutions

- **No Power:** Ensure the power adapter is securely connected to both the Mini PC and a working power outlet.
- **No Display:** Verify that the HDMI cables are correctly connected to the monitor(s) and the Mini PC. Check if the monitor is set to the correct input source.
- **Slow Performance:** Close unnecessary applications. Check for background processes consuming resources. Ensure adequate ventilation for the cooling system.
- **Network Connectivity Issues:** For Wi-Fi, check router status and ensure correct password entry. For wired connections, verify Ethernet cable integrity and router connection.

5.2 Auto Power On Feature

If you wish to enable the auto power-on feature, please contact Beelink technical support. You will need to provide the barcode located at the bottom of your device to receive the corresponding tutorial file.

6. SPECIFICATIONS

Feature	Specification
Model Number	EQR6 6800U
Processor	AMD Ryzen 7 6800U (8C/16T, up to 4.7GHz)
Graphics	AMD Radeon Graphics 680M (12 core 2200 MHz)
RAM	24GB LPDDR5 (5200MHz)
Storage	500GB M.2 PCIe 4.0x4 SSD (Expandable up to 8TB)
Wireless Connectivity	WiFi 6 (802.11ax), Bluetooth 5.2
Ports	2x HDMI, 3x USB 3.2, 1x USB 2.0, 1x USB-C, 2x LAN (1000M), 1x Audio Jack, 1x AC Jack
Operating System	OS
Dimensions (LxWxH)	4.96 x 4.96 x 1.65 inches (126 x 126 x 44.2 mm)
Item Weight	2.03 pounds

7. WARRANTY AND SUPPORT

7.1 Technical Support

Beelink provides lifetime technical support and 7 Day/24 hours service for the EQR6 Mini PC. For assistance, please contact our support team.

7.2 Certifications

All Beelink Mini PCs, including the EQR6, have obtained FCC, CE, and RoHS certifications, ensuring compliance with relevant safety and environmental standards.

7.3 Protection Plans

Additional protection plans may be available for purchase, including 3-Year Protection Plans and Complete Protect plans. Refer to your purchase documentation or retailer for details on available options.