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Beelink EQi12/1235U/32G/1TB

Beelink EQI Mini PC User Manual

Model: EQi12/1235U/32G/1TB
Brand: Beelink

1. INTRODUCTION

This user manual provides comprehensive instructions for the setup, operation, and maintenance of your Beelink EQI Mini PC. Designed for efficiency and quiet operation, this mini PC is equipped with an Intel Core i5-1235U processor, 32GB DDR4 RAM, and a 1TB NVMe M.2 SSD, making it suitable for a wide range of tasks from office work to 4K video playback.

2. WHAT'S IN THE BOX

Please verify that all items are present before proceeding with the setup.

- Beelink EQI Mini PC
- Power Adapter (AC Cable 150cm)
- HDMI Cable (100cm)
- User Manual (this document)
- Keyboard
- Mouse

3. PRODUCT OVERVIEW AND FEATURES

3.1. Physical Dimensions and Design



The Beelink EQ1 Mini PC features a compact and sleek design, measuring 126mm x 126mm x 44.2mm (without rubber feet). Its small footprint allows for easy integration into any workspace.

3.2. Rich Interfaces

<p>Rich Interface</p>		<p>Intel® Core i5-1235U Processor</p> <p>4.4 GHz Max Turbo Frequency 10 cores, 12 threads 12 MB L3 Cache</p> <p>4.4 GHz Max Turbo Frequency: 4.4GHz 10 Cores Performance-cores + Efficient-cores 12 Threads Libratory: 10nm (Intel 7) 12 MB Intel® Smart Cache</p>	
<p>Dual 4K@60Hz Display</p>	<p>Intel® UHD Graphics 1.1 GHz</p>		
<p>PCIe 4.0 SSD</p>	<p>SODIMM DDR4</p>	<p>WiFi 6 & BT 5.2</p>	<p>Dual 1000M LAN</p>

The mini PC is equipped with a comprehensive set of ports for versatile connectivity:

- **Front Panel:** 1x USB3 10Gbps, 1x 3.5mm Audio Jack, 1x CLR CMOS button, 1x USB-C 10Gbps (for data)


transfer), Power Button with Power Indicator Light.

- **Rear Panel:** 3x USB3 10Gbps, 1x USB2.0 480Mbps, 2x HDMI (Max 4K 60Hz), 2x LAN 1000M (Gigabit Ethernet), AC Power Input.



3.3. Internal Components and Cooling




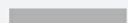
The Beelink EQI Mini PC features a built-in 85W Power Supply Unit (PSU), simplifying cable management. It supports dual M.2 PCIe NVMe 2280 SSD interfaces for expandable storage up to 4TB. The system also incorporates an MSC2.0 Cooling System with efficient air intake from the bottom, a silent fan, and an SSD heatsink to dissipate internal heat effectively.



EQR6 Fight for Speed

 
WiFi 6 **BT 5.2**

WiFi 6 2x2

2400 Mbps(2.4Gbps)

WiFi 5 1x1

433Mbps

This advanced cooling system ensures stable and quiet operation, with operating noise as low as 32dB, making it office-friendly.

3.4. Processor and Memory

The mini PC is powered by an Intel Core i5-1235U processor (10 Cores/12 Threads, up to 4.4GHz) and comes with 32GB DDR4 RAM. It also features Intel Iris Xe Graphics eligible for powerful graphics processing and supports Wi-Fi 6 (802.11ax) and Bluetooth 5.2 for high-speed wireless connectivity.

Expand multiple monitor through **Dual HDMI** port, all supporting **4K@60HZ** for more efficient, comfortable productivity and an exceptional gaming experience.



The Intel Core i5-1235U processor provides robust performance for various computing needs.

4. SETUP GUIDE

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

1. **Connect to Power:** Plug the power cable into the AC input port on the rear of the mini PC and then into a wall outlet. The built-in PSU simplifies this connection.
2. **Connect to Display:** Use the provided HDMI cable to connect your monitor or TV to one of the HDMI ports on the rear of the mini PC. The device supports dual 4K@60Hz displays.
3. **Connect Peripherals:** Connect your keyboard and mouse to the available USB ports. For optimal performance, use the USB3.2 Gen2 ports.
4. **Network Connection:** For wired internet, connect an Ethernet cable to one of the two LAN ports. For wireless internet, the device supports Wi-Fi 6.
5. **Power On:** Press the power button located on the front panel. The power indicator light will illuminate.

Setup Demonstration Video

Your browser does not support the video tag.

This video provides a visual guide to the setup process, highlighting the various ports and the compact nature of the Beelink EQI Mini PC. It demonstrates connecting the power and network cables.

5. OPERATING INSTRUCTIONS

Your Beelink EQI Mini PC comes pre-installed with Windows 11 Pro. Upon first boot, follow the on-screen instructions to complete the initial Windows setup.

- **Daily Use:** The mini PC is optimized for office tasks, 4K video playback, web browsing, and light gaming.
- **Dual Display:** Utilize the two HDMI ports to connect multiple monitors for enhanced productivity.
- **Storage Expansion:** The device supports M.2 PCIe NVMe 2280 SSDs. Refer to the maintenance section for instructions on upgrading storage.
- **Quiet Operation:** The MSC2.0 cooling system ensures the PC operates quietly, making it ideal for office environments.

6. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your mini PC.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Avoid liquid cleaners. Ensure ventilation grilles are free from dust buildup.
- **Software Updates:** Regularly update your operating system and drivers to ensure security and performance.
- **Storage Upgrade:** The mini PC supports up to 4TB M.2 PCIe NVMe 2280 SSDs. To install or replace an SSD, carefully open the bottom panel. Refer to the detailed internal component diagram in Section 3.3 for guidance. Ensure the device is powered off and unplugged before performing any internal work.
- **CMOS Reset:** If you encounter boot issues or need to reset BIOS settings, use the CLR CMOS button on the front panel. This typically requires the device to be off and then pressing the button for a few seconds.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power/Device does not turn on	Power cable not connected properly; Power outlet issue	Ensure power cable is securely connected to the PC and wall outlet. Try a different outlet.
No display on monitor	HDMI cable loose or faulty; Incorrect input selected on monitor	Check HDMI cable connections. Ensure monitor is set to the correct input source (HDMI 1, HDMI 2, etc.). Try a different HDMI cable or port.
No internet connection (wired)	Ethernet cable loose or faulty; Router/modem issue	Check Ethernet cable connection. Restart your router/modem. Verify network settings in Windows.
No internet connection (wireless)	Wi-Fi disabled; Incorrect Wi-Fi password; Router issue	Ensure Wi-Fi is enabled in Windows. Re-enter Wi-Fi password. Restart your router.
System runs slowly or freezes	Too many applications running; Overheating; Low disk space	Close unnecessary applications. Ensure proper ventilation. Check disk space and free up if needed. Consider running a system scan for malware.

8. SPECIFICATIONS

Detailed technical specifications for the Beelink EQI Mini PC:

Feature	Detail
Processor	Intel Core i5-1235U (10 Cores, 12 Threads, up to 4.4 GHz)
Graphics	Integrated Intel Iris Xe Graphics eligible
RAM	32GB DDR4
Storage	1TB M.2 PCIe NVMe 2280 SSD (2 slots, expandable up to 4TB)
Operating System	Windows 11 Pro
Wireless Connectivity	Wi-Fi 6 (802.11ax), Bluetooth 5.2
Ethernet	2 x Gigabit Ethernet (RJ45)
Video Output	2 x HDMI (4K@60Hz Dual Display)
USB Ports	3 x USB 3.2 Gen2, 1 x USB 2.0, 1 x Type-C (Data)
Audio	3.5mm Audio Jack
Power Supply	Built-in 85W PSU
Dimensions	126mm x 126mm x 44.2mm
Weight	Approximately 3.47 pounds (1.57 kg)

Note: Specifications are subject to change without prior notice.

9. WARRANTY AND SUPPORT

Beelink offers comprehensive support for your EQI Mini PC:

- **Warranty:** 1-year worry-free warranty.
- **Technical Support:** Lifetime technical support.
- **Customer Service:** 24 hours customer service.
- **Certifications:** All Beelink Mini PCs have obtained FCC, CE, and RoHS certifications, ensuring product quality and safety.

For any questions or assistance, please do not hesitate to contact Beelink customer service.

You can visit the official Beelink store for more information:[Beelink Store on Amazon](#)