Beelink SER5 Max 6800U

Beelink SER5 Max Mini PC 6800U User Manual

Model: SER5 Max 6800U

1. INTRODUCTION

This manual provides essential information for setting up, operating, and maintaining your Beelink SER5 Max Mini PC 6800U. Please read these instructions carefully before using the device to ensure optimal performance and longevity. The Beelink SER5 Max is a high-performance mini desktop computer designed for business, office, and light gaming applications, featuring an AMD Ryzen R7 6800U processor, 24GB LPDDR5 RAM, and a 500GB PCIe 4.0 SSD.

2. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x Beelink 6800U Mini PC
- 1 x US Power Adapter
- 1 x HDMI Cable (100cm)
- 1 x VESA Mount with Screws
- 1 x User Manual (this document)

3. PRODUCT OVERVIEW

The Beelink SER5 Max Mini PC 6800U is engineered for efficiency and performance in a compact form factor.

3.1 Key Features

- **Processor:** AMD Ryzen R7 6800U (up to 4.7GHz, 8 Cores, 16 Threads, 16MB L3 Cache)
- **Graphics:** Integrated AMD Radeon 680M Graphics (12 CUs, 2200MHz frequency)
- **Memory:** 24GB LPDDR5 RAM
- **Storage:** 500GB M.2 PCIe 4.0 SSD (supports dual SSDs, up to 4TB per slot)
- **Connectivity:** 2.5Gbps LAN, WiFi 6 (802.11ax), Bluetooth 5.2
- **Display Output:** Triple 4K display support via HDMI, DisplayPort, and Type-C
- **Cooling System:** MSC2.0 Cooling System with copper tube, heat pipe, and silent fan

3.2 Front and Rear Panel Ports

Familiarize yourself with the available ports for connecting peripherals.

Image: Front and rear panel ports of the Beelink SER5 Max Mini PC. The front panel includes USB 3.2 Gen2 ports, a Type-C port (data & video), an audio jack, and the power button. The rear panel features a LAN port, USB 2.0 ports, HDMI, DisplayPort, and the power adapter input.

- **Front Ports:** 2 x USB 3.2 Gen2, 1 x Type-C (Data & Video), 1 x Audio Jack, 1 x Power Button
- **Rear Ports:** 1 x 2.5Gbps LAN, 2 x USB 2.0, 1 x HDMI (4K@60Hz), 1 x DisplayPort (4K@144Hz), 1 x Power Adapter Input

3.3 Internal Components

AMD Ryzen R7 6800U
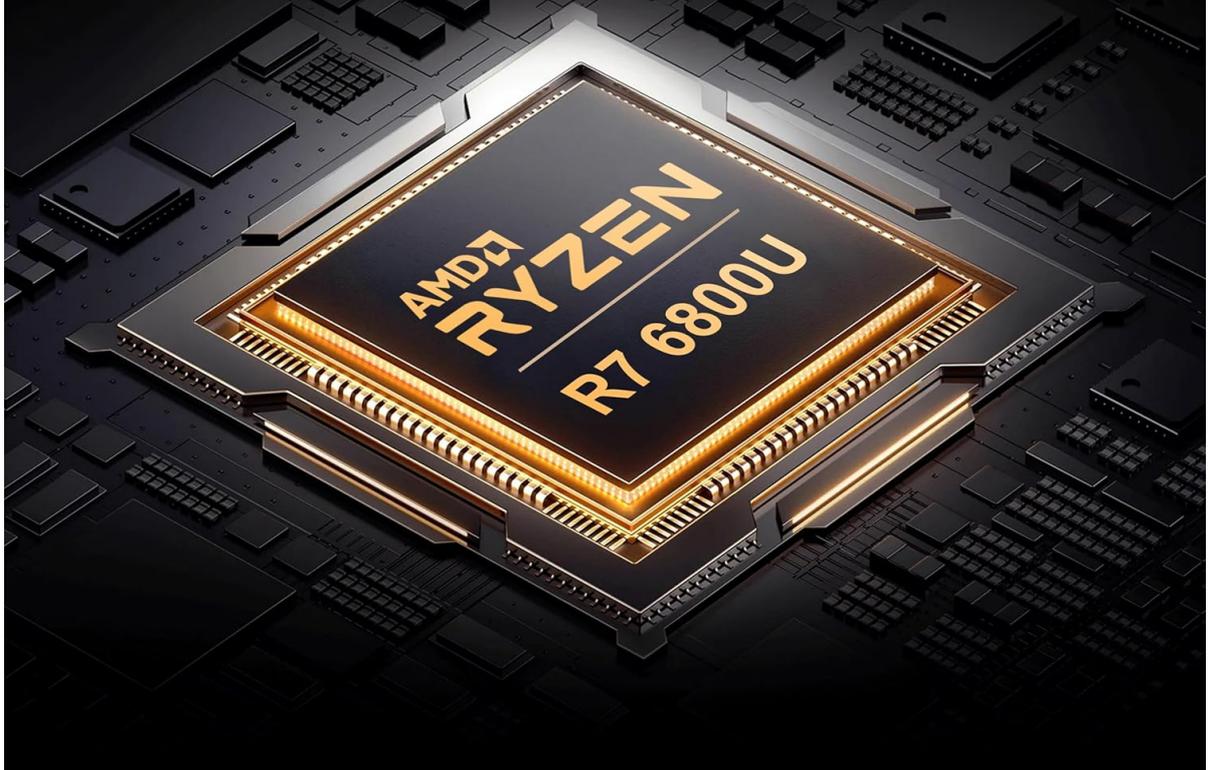
4.7GHz
UP to

2200MHz
Graphics Frequency

8
Cores

16
Threads

Image: Close-up view of the AMD Ryzen R7 6800U CPU, highlighting its 8 cores, 16 threads, and 4.7GHz boost clock.
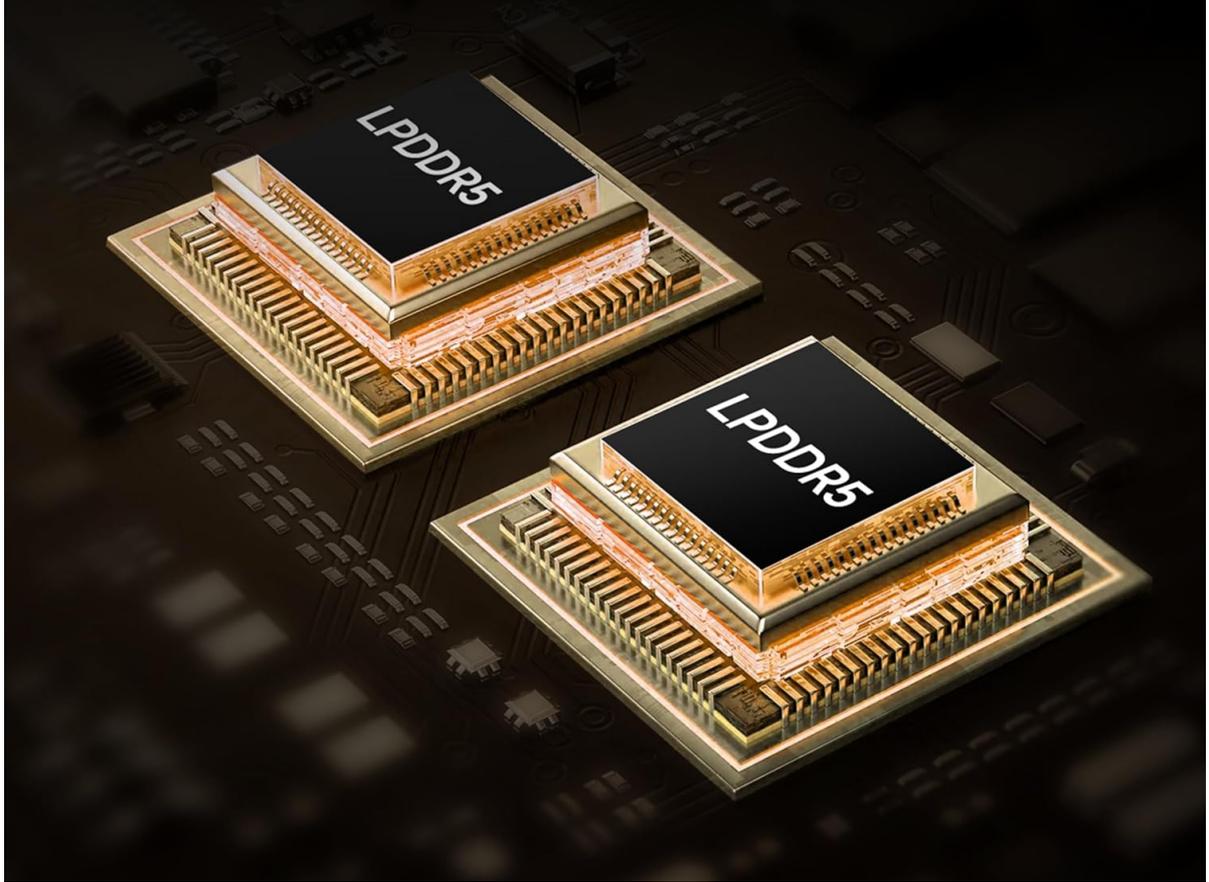
Image: Illustration of the 24GB LPDDR5 high-frequency memory modules, ensuring smooth and efficient system operation.

Image: Depiction of the dual M.2 PCIe 4.0 SSD slots, with one 500GB SSD installed and support for up to 4TB in each slot.

3.4 Cooling System

The SER5 Max features an advanced cooling system to maintain optimal operating temperatures and ensure stable performance under load. This includes a copper tube, heat pipe, and a powerful, silent fan.
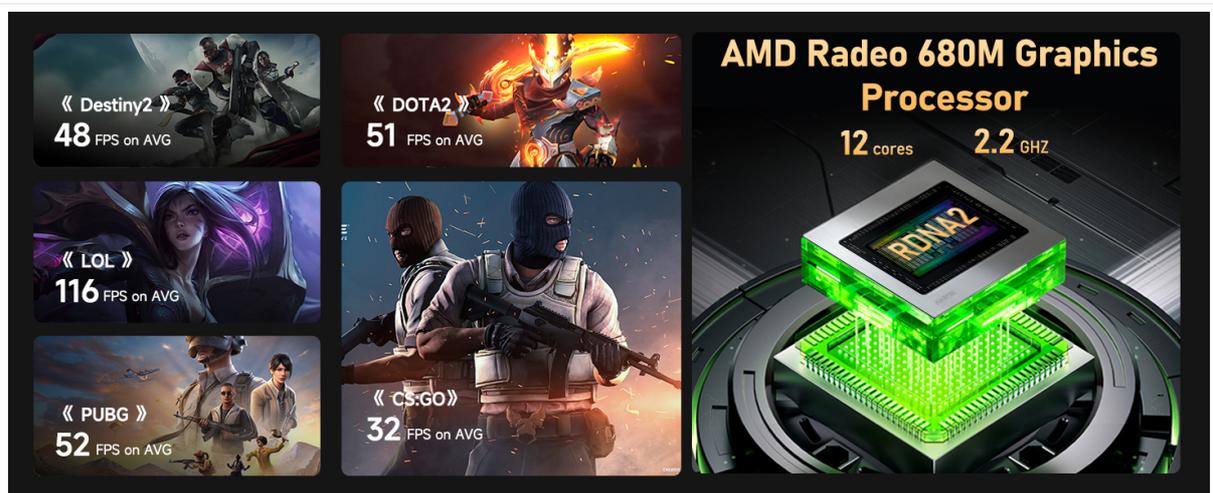

Image: Diagram illustrating the efficient cooling system with a large copper plate and double heat pipes, designed to

3.5 Product Video Overview

Video: An official product video from Beelink showcasing the SER5 Max Mini PC, its features, and internal components. This video provides a visual demonstration of the device's capabilities and design.

4. SETUP INSTRUCTIONS

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

1. **Connect to Power:** Plug the US Power Adapter into the DC input port on the rear of the Mini PC, then plug the adapter into a power outlet.
2. **Connect to Display:** Connect your monitor(s) to the Mini PC using the HDMI, DisplayPort, or Type-C ports. The device supports up to three 4K displays simultaneously.
3. **Connect Peripherals:** Connect your keyboard, mouse, and other USB devices to the available USB ports. For wired network access, connect an Ethernet cable to the LAN port.
4. **Power On:** Press the power button on the front panel to turn on the Mini PC.

Image: The Beelink SER5 Max Mini PC connected to three external monitors, demonstrating its triple 4K display capability for multitasking.

4.1 VESA Mount Installation

The included VESA mount allows you to attach the Mini PC to the back of a compatible monitor or to a wall, saving desk space.

1. Attach the VESA mount bracket to the back of your monitor using the provided screws.
2. Slide the Mini PC onto the VESA mount until it clicks securely into place.

Image: The Beelink SER5 Max Mini PC VESA mounted on the back of a monitor, illustrating a space-saving installation.

5. OPERATING INSTRUCTIONS

Once set up, operating your Mini PC is straightforward.

- **Power On/Off:** Press the power button on the front panel to turn the device on. To shut down, use the operating system's shutdown function or press and hold the power button for a few seconds.
- **Operating System:** The Mini PC comes with a pre-installed operating system. Follow the on-screen prompts for initial setup.
- **Network Connection:** Connect to your network via the 2.5Gbps Ethernet port or wirelessly using the integrated WiFi 6.
- **Bluetooth Devices:** Pair Bluetooth 5.2 compatible devices such as keyboards, mice, or speakers through the operating system's Bluetooth settings.

6. MAINTENANCE

Proper maintenance ensures the longevity and performance of your Mini PC.

- **Cleaning:** Regularly clean the exterior of the Mini PC with a soft, dry cloth. Use compressed air to clear dust from the ventilation grilles to maintain optimal airflow for the cooling system.
- **Software Updates:** Keep your operating system and drivers updated to ensure security and performance.
- **Ventilation:** Ensure the Mini PC is placed in a well-ventilated area and that the air vents are not obstructed. Avoid placing it in enclosed spaces that can trap heat.
- **Power Supply:** Use only the provided power adapter. If a replacement is needed, ensure it meets the exact specifications to prevent damage.

7. TROUBLESHOOTING

If you encounter issues, refer to the following common solutions:

- **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:** Verify that the HDMI, DisplayPort, or Type-C cable is securely connected to both the Mini PC and the monitor. Ensure the monitor is powered on and set to the correct input source. Test with a different cable or monitor if possible.
- **No Internet Connection:** For wired connections, check the Ethernet cable and router. For wireless, ensure WiFi is enabled in the operating system and you are connected to the correct network with the correct password.
- **Slow Performance:** Close unnecessary applications. Check for background updates or scans. Ensure the Mini PC has adequate ventilation.
- **Peripheral Not Detected:** Ensure USB devices are properly connected. Try a different USB port. Update drivers if available.

8. SPECIFICATIONS

Detailed technical specifications for the Beelink SER5 Max Mini PC 6800U:

Feature	Specification
Processor	AMD Ryzen R7 6800U (4.7 GHz Max Boost, 8 Cores, 16 Threads)
Graphics Coprocessor	AMD Radeon 680M (Integrated, 12 CUs, 2200MHz)
RAM	24GB LPDDR5
Hard Drive	500 GB SSD (M.2 PCIe 4.0, dual slots up to 4TB each)
Operating System	OS (Pre-installed)
Max Screen Resolution	3840x2160 (4K)
Wireless Type	802.11ax (WiFi 6), Bluetooth 5.2
LAN	2.5Gbps Ethernet
USB Ports	2 x USB 3.0, 2 x USB 2.0, 1 x Type-C
Video Output	1 x HDMI, 1 x DisplayPort, 1 x Type-C

Feature	Specification
Item Weight	1.83 pounds
Product Dimensions	4.4 x 4.4 x 1.6 inches

9. WARRANTY AND SUPPORT

Beelink provides comprehensive support for your Mini PC:

- **Warranty:** 12-month warranty.
- **Technical Support:** Lifetime technical support.
- **Customer Service:** 7 days a week, 24 hours a day customer service.
- **Replacements:** New replacement for Beelink mini PC during the warranty period.

For support, you can contact Beelink customer service or refer to the official Beelink website.

Item Weight	1.83 pounds
Product Dimensions	4.4 x 4.4 x 1.6 inches