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Beelink SER7

Beelink SER7 Mini PC User Manual

MODEL: SER7

Introduction

This user manual provides comprehensive instructions for the Beelink SER7 Mini PC, a high-performance desktop computer designed for various computing needs including gaming, office work, and creative tasks. It features an AMD Ryzen 7 7840HS processor and supports multiple display outputs for enhanced productivity.



Figure 1: Beelink SER7 Mini PC - Front View

What's in the Box

- 1 x Mini PC
- 1 x HDMI Cables
- 1 x Power Adapter
- 1 x User Manual

Setup

Initial Setup

Connect your monitor(s), keyboard, and mouse to the Beelink SER7 Mini PC. Plug in the power adapter and press the power button to start the device.

Operating System Installation

For detailed instructions on installing the operating system, please refer to the official video tutorials provided by Beelink.

Your browser does not support the video tag.

Video 1: How To Install OS - This video provides a step-by-step guide on installing the operating system on your Beelink Mini PC.

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Video 2: Install Win11 Tutorial - A comprehensive tutorial on installing Windows 11 on your device.

Hardware Expansion

The Beelink SER7 Mini PC offers flexible storage expansion options. You can add an M.2 NVMe SSD or a 2.5-inch HDD/SSD.

M.2 or 2.5", the Choice is Yours



M.2 2280 PCIe4.0 SSD Slot



2.5" 7mm SATA SSD Slot

*Dual M.2 PCIe4.0 slots are configured by default. You need to buy an SATA expansion module separately if you want to replace an M.2 slot with a 2.5-inch slot (Only one of the M.2 slots can be replaced). Please go to accessory purchase link for more information.

*The interfaces of M.2 SSD and 2.5" SATA SSD are different, please contact customer service before replacement.

Figure 2: M.2 or 2.5" Storage Options - Illustrates the available slots for storage expansion.

Your browser does not support the video tag.

Video 3: How To Add a SATA SSD TO BEELINK SER5 Mini PC - This video demonstrates the process of adding a SATA SSD to a Beelink Mini PC (SER5 model shown, but process is similar).

Operating

Power On/Off

To power on, press the power button located on the front of the device. To power off, use the operating system's shutdown function or press and hold the power button for 5 seconds.

Display Setup

The Beelink SER7 supports triple 4K@144Hz display output via HDMI, DisplayPort (DP), and USB-C ports, allowing for extensive multi-tasking capabilities.

RDNA3 GPU Architecture Game Frame Rate Test

Testing environment: AMD Ryzen7 7840HS processor with Radeon780M,
DDR5 64G(32*2) 5600MHz memory, PCIe4.0 1TB SSD,65W TDP,1080P, 30°C ambient temperature.



*All test data is according to Beelink testing results, and the actual performance may vary depending on objective environmental changes.

Figure 3: Triple 4K Display Output - Shows the capability of connecting three 4K monitors simultaneously.

Performance Modes

The Mini PC offers dual optional modes: Balance mode (54W) for reduced fan noise and power consumption, and Performance mode (65W) for ultimate processing power.

Dual Optional Mode

You can choose suitable mode according to your own needs. Balance mode will reduce fan noise and power consumption, while Performance mode will offer you ultimate processing power.



*The VRAM size can be adjusted up to 16GB,
Please ask customer service for guidance if you want to adjust the settings.

Figure 4: Dual Optional Mode - Explains the two performance modes available.

Connectivity

The device features built-in WiFi 6 (802.11ax 2.4G+5G Dual Band) and Bluetooth 5.2 for fast and stable wireless connections. It also includes a 2500M LAN port for wired networking.

Wide Range of Interfaces

Rich interfaces meet all kinds of needs.



Figure 5: Wide Range of Interfaces - Details the various ports available on the Mini PC.

Maintenance

Cleaning Internal Components

Regular cleaning of internal components, especially RAM modules and cooling fans, is crucial for maintaining optimal performance and longevity of your Mini PC. Dust and debris can accumulate and cause overheating or performance issues.

Your browser does not support the video tag.

Video 4: How to Properly Clean RAM - This video demonstrates the correct method for cleaning RAM modules to prevent common computer issues.

Heat Dissipation

The Beelink SER7 utilizes a vapor chamber and a large cooling mesh design to efficiently dissipate heat, ensuring stable operation even under heavy loads.

Four Reasons to Choose SER7

AMD Ryzen 7 7840HS Processor/ Radeon 780M 12 Cores 2700MHz(RDNA3)

(Default 54W TDP. Enter BIOS to set 65W TDP)

Up To **65** W TDP

Vapor Chamber

Combination of performance and silence



Wide Array of Useful Ports

Suitable for various applications



Magnetic Power Supply

Simple and high-tech



Figure 6: Vapor Chamber and Cooling Mesh - Highlights the advanced cooling features of the SER7.

Troubleshooting

Common Issues

- **No Display:** Check all monitor connections and ensure the monitor is powered on. Try different display ports.
- **Boot Problems:** If the system fails to boot, ensure all internal components (RAM, SSD) are properly seated. Refer to the OS installation videos if issues persist.
- **System Freezing/Crashing:** This can often be caused by dust accumulation on RAM modules or other components. Refer to the RAM cleaning video.

General Advice

Always ensure the Mini PC is placed in a well-ventilated area. Avoid blocking air vents. If issues persist, consider contacting customer support.

Specifications

Feature	Specification
Processor	AMD Ryzen 7 7840HS (8C/16T, up to 5.1GHz)
Graphics	AMD Radeon 780M 12core 2700 MHz
RAM	32GB DDR5 (expandable to 64GB)
Storage	1TB M.2 NVMe SSD (supports up to 2TB)
Display Output	Triple 4K@144Hz (HDMI, DP, USB-C)
Wireless Connectivity	WiFi 6 (802.11ax), Bluetooth 5.2
Operating System	Windows 11 Pro
Dimensions	11.18 x 6.22 x 4.09 inches
Weight	2.9 pounds

Warranty and Support

All Beelink Mini PCs undergo strict inspection before shipping. We offer lifetime technical support, 24/7 after-sales service, and a 1-Year-free warranty. All products are CE, FCC, and RoHS certified. For any product-related questions, please contact Beelink customer service.

For further assistance, visit the official Beelink store on Amazon: [Beelink Store](#)