

Beelink SER5 6800U 24G/500G

Beelink SER5 Mini PC User Manual

Model: SER5 6800U 24G/500G

1. INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Beelink SER5 Mini PC. Please read this manual thoroughly before using the device to ensure proper function and longevity.



Image: The Beelink SER5 Mini PC, a compact desktop computer.

2. WHAT'S IN THE BOX

Verify that all items are present in the package:

- 1 x Beelink SER5 Mini PC (6800U 24GB+500GB configuration)
- 1 x HDMI Cable (1m)
- 1 x Power Adapter (US Standard)
- 1 x VESA Mount with Screws
- 1 x User Manual (this document)

3. SETUP GUIDE

3.1 Connecting Peripherals

Before powering on your Mini PC, connect all necessary peripherals.

1. **Connect Display:** Use the provided HDMI cable or a DisplayPort (DP) cable to connect your monitor to the corresponding port on the Mini PC. For triple display setup, utilize the HDMI 2.0, DP 1.4, and Type-C ports.
2. **Connect Keyboard and Mouse:** Plug your USB keyboard and mouse into the available USB 3.0 Gen2 or USB 2.0 ports.
3. **Connect Network (Optional):** For a wired internet connection, connect an Ethernet cable from your router to the 2.5G LAN port. Wireless connectivity (Wi-Fi 6) is also available.
4. **Connect Power:** Insert the power adapter cable into the DC-in port on the Mini PC, then plug the adapter into a power outlet.

Plenty of Ports For Connectivity

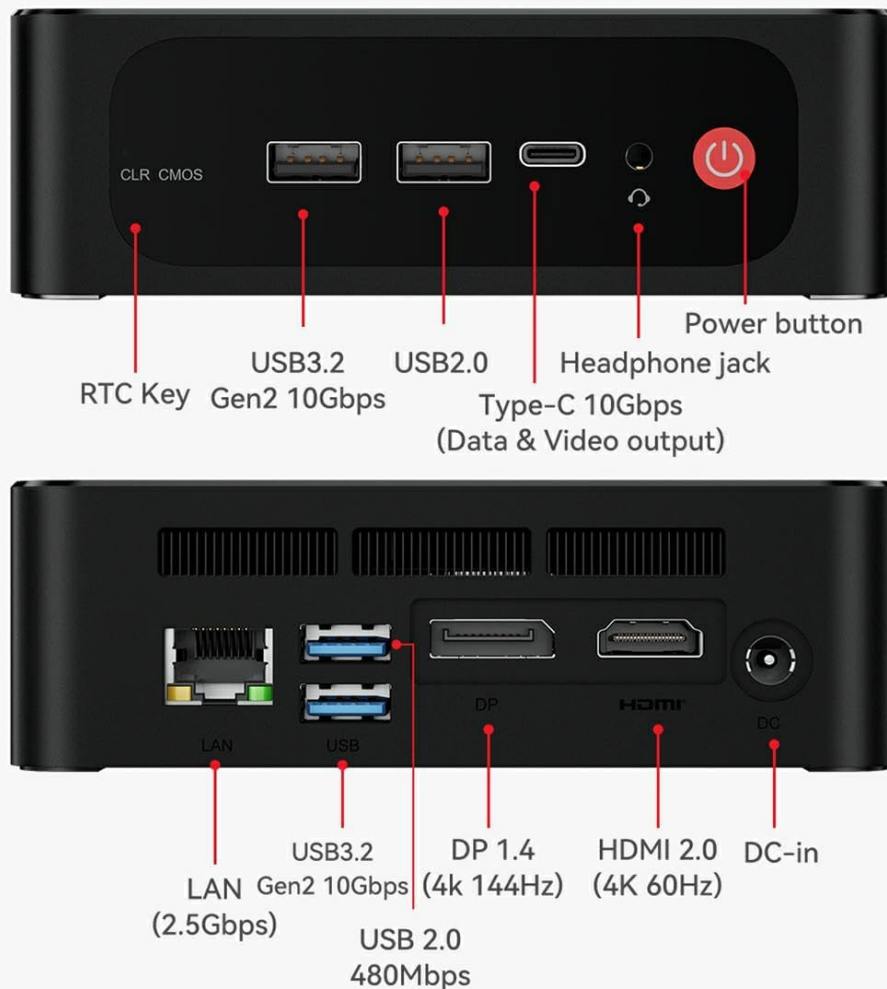


Image: Front and rear view of the Beelink SER5 Mini PC showing various ports for connectivity.

3.2 Initial Power On

After connecting all peripherals:

1. Press the power button located on the front of the Mini PC. The power LED will illuminate.
2. The system will boot into Windows 11 Pro. Follow the on-screen instructions to complete the initial operating system setup, including language, region, network connection, and user account creation.

4. OPERATING INSTRUCTIONS

4.1 Power Management

- **Power On:** Press the power button.
- **Shut Down:** Click the Start button in Windows, then select Power > Shut down.

- **Restart:** Click the Start button in Windows, then select Power > Restart.
- **Sleep:** Click the Start button in Windows, then select Power > Sleep.

4.2 Connectivity

The Beelink SER5 Mini PC offers robust connectivity options:

- **Wi-Fi 6 (802.11ax):** For high-speed wireless internet access. Connect via Windows network settings.
- **Bluetooth 5.2:** For connecting wireless peripherals such as headphones, keyboards, and mice. Pair devices through Windows Bluetooth settings.
- **2.5G LAN:** Provides a high-speed wired network connection.

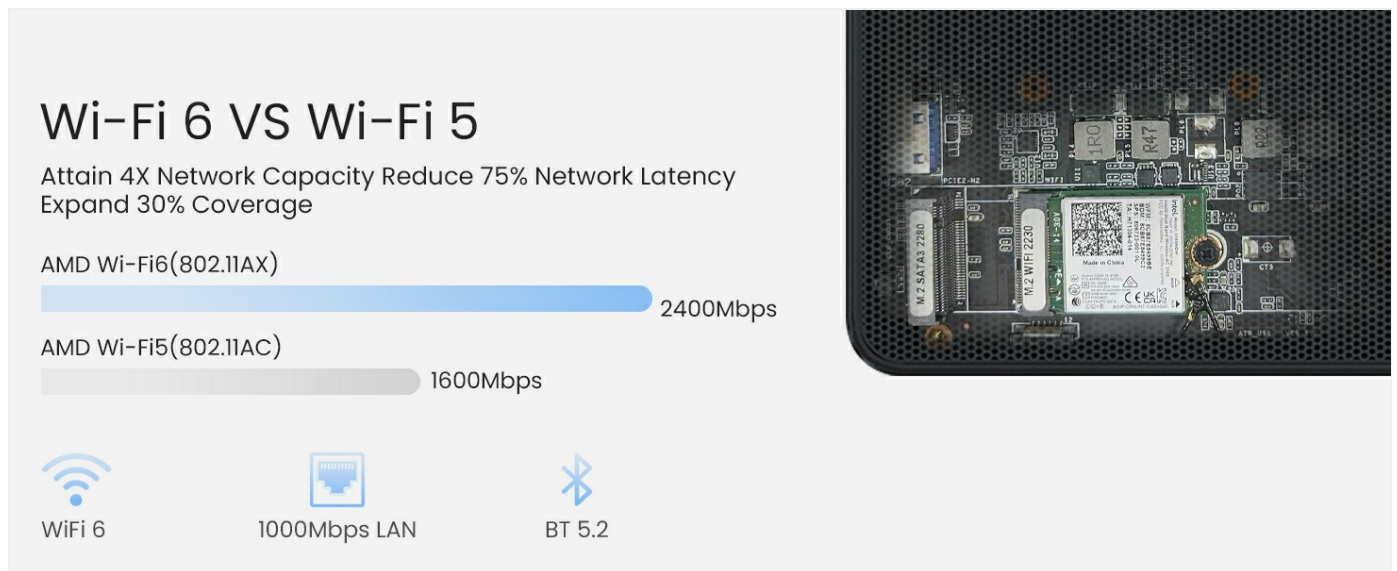


Image: Comparison illustrating the speed and efficiency benefits of Wi-Fi 6 over Wi-Fi 5.

4.3 Triple Display Setup

The Mini PC supports up to three 4K displays simultaneously, enhancing productivity and multimedia experiences.

- **HDMI 2.0 Port:** Supports 4K resolution at 60Hz.
- **DisplayPort (DP) 1.4:** Supports 4K resolution at 144Hz.
- **Type-C Port:** Supports 4K resolution at 120Hz (data and video output).

Connect your monitors to these ports and configure display settings within Windows to extend or duplicate your desktop.

Anywhere, it can be a theater

4K@144Hz



USB-C(4K@120Hz)

DP1.4(4K@144Hz)

HDMI(4K@60Hz)

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

5. MAINTENANCE

5.1 General Cleaning

To maintain optimal performance and prevent overheating, regularly clean your Mini PC:

- Ensure the device is powered off and unplugged before cleaning.
- Use a soft, dry cloth to wipe the exterior surfaces.
- Use compressed air to gently clear dust from ventilation openings. Avoid blocking the vents during operation.

5.2 Software Updates

Keep your Windows operating system and drivers updated to ensure security, stability, and performance:

- Regularly check for Windows updates via Settings > Windows Update.

- Visit the Beelink official website for the latest driver updates for your specific model.

5.3 Storage Expansion

The Beelink SER5 Mini PC is equipped with dual M.2 PCIe4.0 SSD slots, allowing for significant storage expansion.

- Each M.2 slot supports up to 4TB, for a total potential storage of 8TB.
- Consult a qualified technician for installation of additional M.2 SSDs to avoid damage.

Support for Dual M.2 PCIe×4 SSDs

An M.2 PCIe×4 SSD of up to 4TB in each slot. Optional storage of retail units is 500GB



Image: Internal view of the Beelink SER5 Mini PC showing the dual M.2 PCIe SSD slots for storage expansion.

6. TROUBLESHOOTING

This section addresses common issues you might encounter.

6.1 No Power

- Ensure the power adapter is securely connected to both the Mini PC and a working power outlet.

- Verify the power outlet is functional by plugging in another device.
- If using the system for demanding tasks (e.g., heavy computing, gaming, multiple displays), consider using a 90W power adapter instead of the supplied 65W adapter to ensure stable power delivery under load.

6.2 No Display Output

- Check that the monitor is powered on and the correct input source is selected.
- Ensure display cables (HDMI, DP, Type-C) are securely connected to both the Mini PC and the monitor.
- Try connecting to a different display port or using a different cable.

6.3 Network Connectivity Issues

- **Wired (LAN):** Check the Ethernet cable connection to both the Mini PC and the router. Verify router functionality.
- **Wireless (Wi-Fi):** Ensure Wi-Fi is enabled in Windows settings. Check if the correct Wi-Fi network is selected and the password is entered correctly. Restart your router if necessary.

6.4 System Performance Issues

- Close unnecessary applications running in the background.
- Ensure the Mini PC has adequate ventilation and is not obstructed. The MSC2.0 Cooling System (Heat Pipe + Heat Sink + Silent Fan) is designed for efficient heat dissipation.
- Check for and install any pending Windows updates or driver updates.

7. SPECIFICATIONS

Key technical specifications for the Beelink SER5 Mini PC (Model SER5 6800U 24G/500G):

Feature	Specification
Processor	AMD Ryzen 7 6800U (8 Cores/16 Threads, 3.2GHz base, up to 4.7GHz boost, 16MB Cache)
Graphics	AMD Radeon Graphics 12core 2200 MHz (Integrated)
RAM	24GB LPDDR5
Storage	500GB PCIe4.0 SSD (Dual M.2 slots, expandable up to 8TB total)
Operating System	Windows 11 Pro
Wireless Connectivity	Wi-Fi 6 (802.11ax), Bluetooth 5.2
LAN	2.5G LAN
Video Output	1x HDMI 2.0 (4K@60Hz), 1x DP 1.4 (4K@144Hz), 1x Type-C (4K@120Hz)
USB Ports	2x USB 3.0 Gen2, 2x USB 2.0, 1x Type-C (Data & Video)
Audio	1x 3.5mm Headphone Jack
Dimensions (LxWxH)	4.39 x 1.6 x 4.9 inches (111.5 x 40.6 x 124.5 mm)
Weight	1.81 pounds (0.82 kg)

Product Specification

☑ Dimension	126*113*42 mm		☑ Wireless LAN	WiFi 6 (MT7920) Bluetooth 5.4	
☑ CPU	AMD Ryzen™ R7 6800U 4.7GHz 8C/16T L2 4MB L3 16MB		☑ Additional function	WOL AUTO POWER ON	
☑ Graphics	AMD Radeon™ 680M 12 core 2200 MHz		☑ Power LED	1	
☑ RAM	24GB(12GB×2) LPDDR5		☑ CLR CMOS	1	
☑ System disk	M.2 2280 PCIe X4	1	☑ Adapter	19V/3.42A Certification	
☑ Additional SSD slot	M.2 2280 PCIe X4	1		Input: 100-240V AC, 50/60Hz , Output: 19V/3.42A	
☑ Interface	DC-in Jack	1	☑ Operating Environment	-10°C--45°C, 30%--90% Humidity	
	USB3.2 Gen2 (10Gbps)	2	☑ Storage Environment	-20°C--60°C, 10%--90% Humidity	
	RJ45 2.5G	1		VESA-Mounted bracket	
	HDMI 2.0(Max 4K 60Hz)	1	☑ Accessories	HDMI Cable 100CM	
	DP 1.4(Max 4K 144Hz)	1		Adapter 19V/3.42A	
	3.5mm Phone Jack(Realtek ALC897)	1		User manual	
	Type-C(10Gbps/MAX 4K120Hz)	1			
	USB2.0 480Mbps	2			

Image: Detailed product specification table for the Beelink SER5 Mini PC.

8. WARRANTY AND SUPPORT

8.1 Warranty Information

Your Beelink SER5 Mini PC comes with a standard manufacturer's warranty. Please refer to the warranty card included in your package or visit the official Beelink website for detailed warranty terms and conditions.

8.2 Technical Support

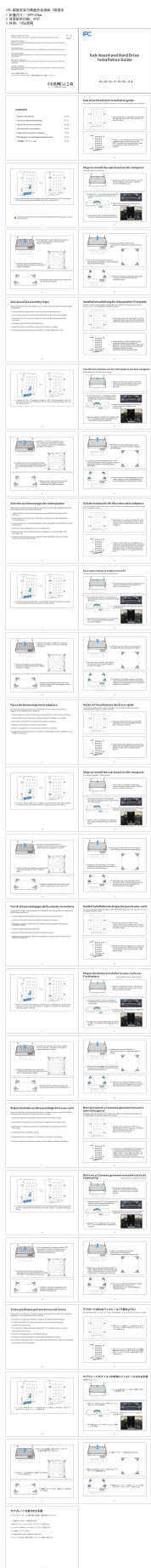
For technical assistance, driver downloads, or further inquiries, please visit the official Beelink support website. You may find FAQs, troubleshooting guides, and contact information for customer service there.

Official Beelink Website: www.bee-link.com



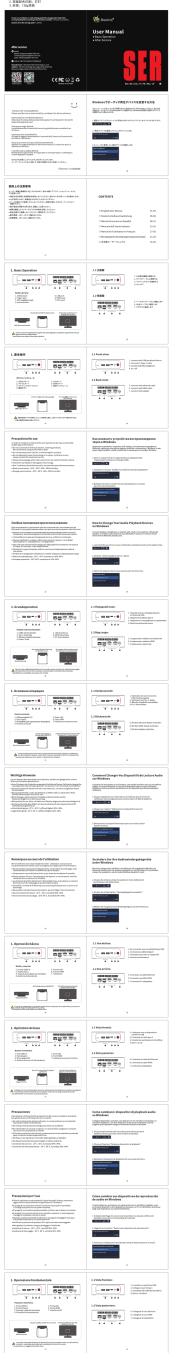
Related Documents - SER5 6800U 24G/500G

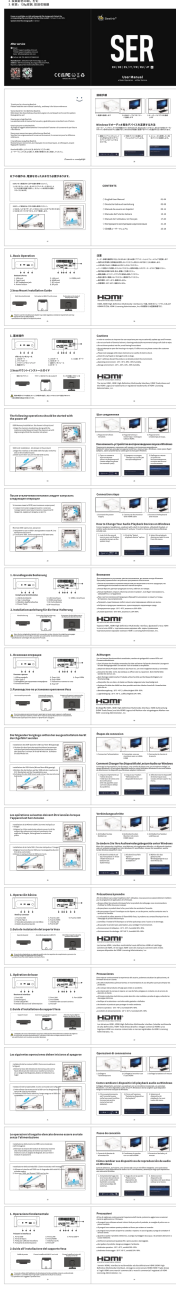


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[IPC Sub-board and Hard Drive Installation Guide](#)

Concise guide for installing a 2.5-inch hard drive and sub-board (A01/B01) onto IPC computers, featuring step-by-step instructions and textual descriptions of diagrams.

 <p>The image shows a multi-page document titled "Beelink SER Series Mini PC User Manual and Specifications". It includes sections for "Introduction", "Specifications", "Installation", "Usage", and "Maintenance". The document is presented in a thumbnail view, showing multiple pages of text and diagrams.</p>	<p>Beelink SER Series Mini PC User Manual and Specifications</p> <p>Comprehensive user manual and specifications for Beelink SER series Mini PCs, including models like SER5 and EQR6, featuring AMD Ryzen processors, high-speed RAM and SSDs, and multi-display capabilities.</p>
<p>Warranty Information and Return Policy</p>	<p>Beelink Product Warranty Information and Return Policy</p> <p>Comprehensive warranty details, return procedures, and customer support guidelines for Beelink mini PCs and other products. Covers general warranty terms, exclusions, DOA, and claim process.</p>

 A multi-page document titled 'SER6 Pro' showing various technical specifications, diagrams of the mini PC, and usage instructions. It includes sections for 'SERIES SPECIFICATIONS', 'SERIES FEATURES', and 'SERIES ACCESSORIES'.	<p>Beelink SER6 Pro Mini PC User Guide and Specifications</p> <p>Comprehensive guide to the Beelink SER6 Pro Mini PC, featuring AMD Ryzen 7 7735HS processor, 32GB DDR5 RAM, 500GB NVMe SSD, and triple display support. Includes technical specifications and usage instructions.</p>
 A user manual for Beelink SER8 and SEi14 mini PCs. It features the Beelink logo, a QR code, and the text 'SERIES HINPC'. It also includes a 'Start Manual' icon.	<p>Beelink SER8 & SEi14 Mini PC User Manual Setup, Specifications, and Support</p> <p>Comprehensive user manual for Beelink SER8 and SEi14 mini PCs, covering hardware overview, setup instructions, basic operation, technical specifications, and troubleshooting guidance.</p>
 A screenshot of a BIOS setup utility interface. It shows a 'BIOS Power on' section with a 'Boot up and press 'ESC' to enter 'BIOS'' instruction. Below it, there's a 'Find 'F10' option 'exit'' and 'exit' buttons.	<p>How to Enable AUTO Power On in BIOS - Beelink SER3 Setup Guide</p> <p>A step-by-step tutorial for configuring the BIOS on Beelink Mini PCs (like the SER3) to enable the 'AUTO Power On' feature using the Aptio Setup Utility. Learn to navigate AMD CBS and FCH common options.</p>

