Beelink SER5 MAX

Beelink SER5 MAX Mini PC User Manual

Model: SER5 MAX

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your Beelink SER5 MAX Mini PC. Please read this manual thoroughly before using the device to ensure optimal performance and longevity.

Image: Front view of the Beelink SER5 MAX Mini PC, showcasing its compact design and mesh top panel.

2. SAFETY INFORMATION

- Do not connect to a network or Wi-Fi until the operating system is fully running.
- When setting up the operating system, skip any email registration steps to proceed with normal machine use.
- Ensure the power supply voltage is within the specified range (100-240V AC, 50/60Hz).
- Avoid exposing the device to extreme temperatures, humidity, or direct sunlight.
- Do not attempt to open or repair the device yourself. Refer to qualified service personnel.
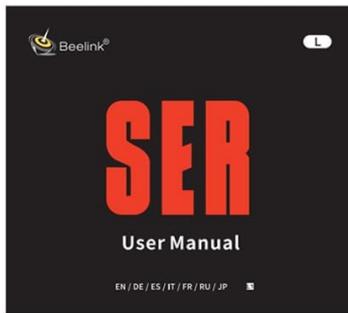
3. WHAT'S IN THE BOX

Upon unboxing your Beelink SER5 MAX Mini PC, please verify that all the following items are included:
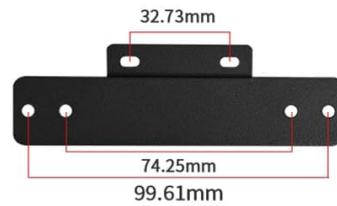
- 1 x Beelink SER5 MAX Mini PC
- 1 x HDMI Cable

- 1 x Power Adapter
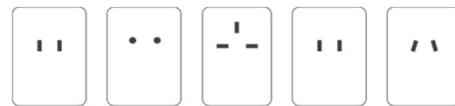- 1 x User Manual
- 1 x VESA-mounted bracket with screws

Image: Illustration of the Beelink SER5 MAX Mini PC and its included accessories: user manual, VESA mount, HDMI cables, and power adapter.

4. PRODUCT OVERVIEW

4.1. Ports and Connectors

The Beelink SER5 MAX Mini PC offers a variety of ports for comprehensive connectivity:
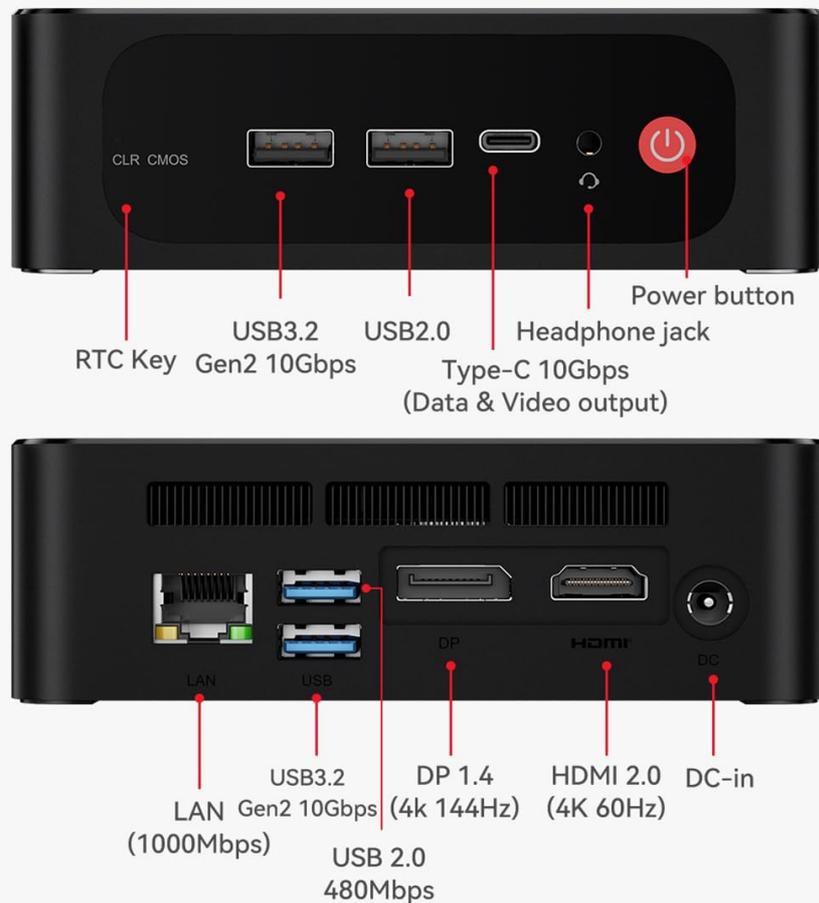
Plenty of Ports For Connectivity

Image: Detailed diagram showing the front and rear ports of the Beelink SER5 MAX Mini PC. Front ports include USB 3.2 Gen2 (10Gbps), USB 2.0, Headphone Jack, Type-C (Data & Video output), RTC Key, and Power button. Rear ports include LAN (1000Mbps), USB 3.2 Gen2 (10Gbps), USB 2.0 (480Mbps), DP 1.4 (4K 144Hz), HDMI 2.0 (4K 60Hz), and DC-in.

- **Front Ports:**

  - 2 x USB 3.2 Gen2 (10Gbps)
  - 1 x USB 2.0
  - 1 x Headphone Jack (HP&MIC)
  - 1 x Type-C port (Data & Video output)
  - 1 x RTC Key (CLR CMOS)
  - 1 x Power Button

- **Rear Ports:**

  - 1 x Gigabit Ethernet LAN (RJ-45, 1000Mbps)
  - 1 x USB 3.2 Gen2 (10Gbps)
  - 1 x USB 2.0 (480Mbps)
  - 1 x DP 1.4 port (4K@144Hz)
  - 1 x HDMI 2.0 port (4K@60Hz)

- 1 x DC Jack (Power Input)

4.2. Internal Components (Exploded View)

Understanding the internal layout can be helpful for maintenance or upgrades.

Image: Exploded view showing the internal components of the Beelink SER5 MAX Mini PC, including the ABS plastic casing, silent fan, CPU, motherboard, M.2 2280 PCIe4.0 SSDs, SSD heatsink, and metal bottom panel.

5. SETUP INSTRUCTIONS

5.1. Connecting Peripherals

1. Connect your monitor(s) to the HDMI 2.0 and/or DP 1.4 ports using the provided HDMI cable or a compatible DisplayPort cable.
2. Connect your keyboard and mouse to the available USB ports.
3. For wired internet, connect an Ethernet cable to the LAN port. For wireless, ensure your Wi-Fi network is available.

4. Connect the power adapter to the DC-in jack on the Mini PC, then plug the adapter into a power outlet.

5.2. Initial Power On

1. Press the power button on the front of the Mini PC.

2. Follow the on-screen instructions to complete the Windows 11 Pro setup. Remember to skip email registration if prompted.

3. Once the operating system is fully loaded, you can connect to your Wi-Fi network if not using a wired connection.

5.3. VESA Mount Installation

The Mini PC can be mounted to the back of a compatible monitor using the included VESA bracket.

Image: Step-by-step guide for installing the Beelink SER5 MAX Mini PC using the VESA mount. It shows attaching the bracket to the Mini PC and then to the back of a monitor.

1. Attach the VESA bracket to the Mini PC using the provided screws.

2. Securely fix the bracket to the VESA mounting points on the back of your monitor using the appropriate screws.

6. OPERATING INSTRUCTIONS

6.1. Power Management

- **Power On:** Press the power button on the front panel.
- **Shut Down:** Use the standard Windows shutdown procedure (Start Menu > Power > Shut down).
- **Restart:** Use the standard Windows restart procedure (Start Menu > Power > Restart).
- **Sleep:** Use the standard Windows sleep procedure (Start Menu > Power > Sleep).

6.2. Display Configuration

The Beelink SER5 MAX supports triple display output at 4K@60Hz via its HDMI and DP ports, and a Type-C port that also supports video output.

Image: Visual comparison demonstrating 4K video output quality, highlighting the clarity and detail compared to lower resolutions.

To configure multiple displays:

1. Connect your monitors to the available HDMI, DisplayPort, and/or Type-C video output ports.
2. In Windows, right-click on the desktop and select "Display settings".
3. From here, you can detect, arrange, and extend or duplicate your displays as needed.

6.3. Wireless Connectivity

The Mini PC features Wi-Fi 6 and Bluetooth 5.2 for fast and stable wireless connections.

Image: Graphic illustrating the benefits of WiFi 6 and Bluetooth 5.2, emphasizing seamless internet access and improved stability.

- **Wi-Fi:** Access Wi-Fi settings via the Windows taskbar network icon or through "Settings > Network & Internet > Wi-Fi" to connect to your preferred network.
- **Bluetooth:** Enable Bluetooth via "Settings > Devices > Bluetooth & other devices" to pair with compatible devices like keyboards, mice, or headphones.

7. STORAGE AND MEMORY EXPANSION

7.1. Memory (RAM)

The Beelink SER5 MAX comes with 32GB LPDDR5 6300MHz memory, providing high performance for multitasking.
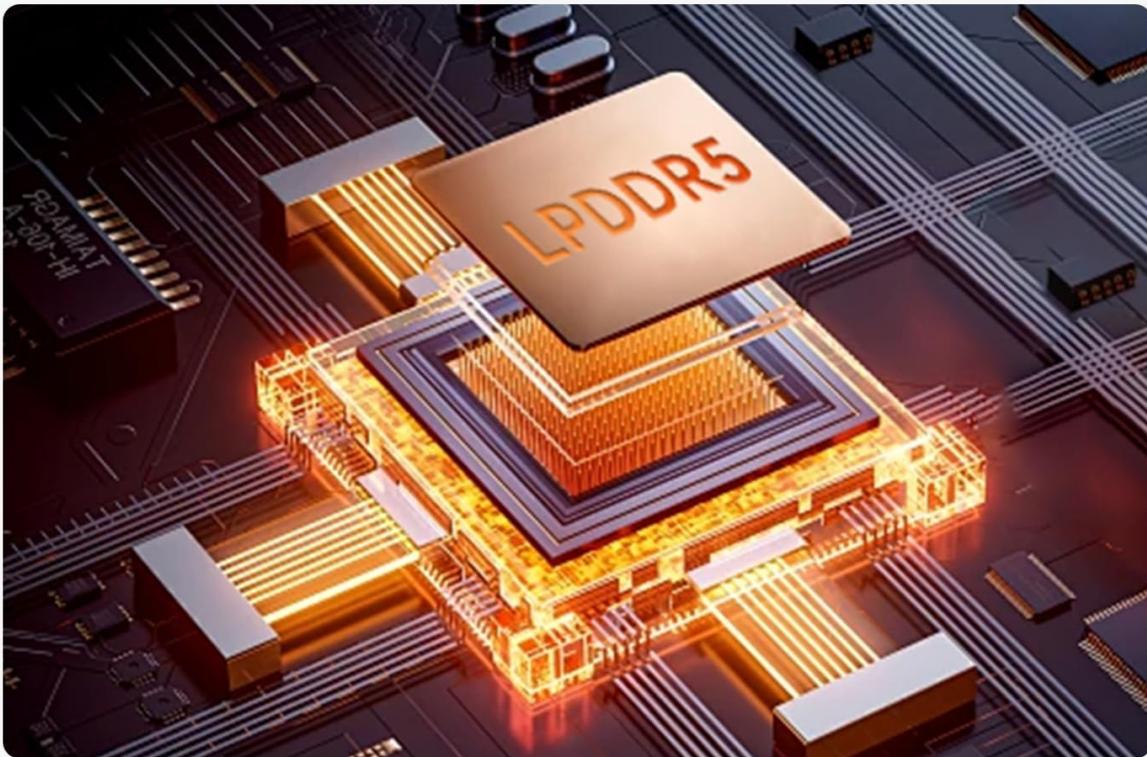

Image: Close-up view of an LPDDR5 memory module, highlighting its advanced technology for high-frequency operation.

While the system is equipped with ample memory, advanced users may consider checking BIOS settings for UMA Frame Buffer allocation if experiencing specific performance needs, as the integrated graphics may reserve a portion of system RAM.

7.2. Storage (SSD)

The Mini PC includes a 1TB M.2 2280 PCIe4.0 x4 NVMe SSD. It supports dual M.2 PCIe4.0 SSDs for expanded storage capacity.

Support for Dual M.2 PCIe4.0 SSDs

An M.2 PCIe4.0 SSD of up to 4TB in each slot. Optional storage of retail units is 500GB/1TB.

Image: Internal view showing two M.2 2280 PCIe4.0 SSDs installed, illustrating the dual storage expansion capability.

To expand storage, you can install an additional M.2 PCIe4.0 SSD (up to 4TB) in the available slot. Refer to the exploded view in Section 4.2 for component location. It is recommended to consult a professional for hardware upgrades.

8. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the Mini PC. For dust accumulation in vents, use compressed air. Ensure the device is powered off and unplugged before cleaning.
- **Software Updates:** Regularly check for and install Windows updates and driver updates for optimal performance and security.
- **Ventilation:** Ensure the Mini PC has adequate airflow around it. Do not block the ventilation openings.
- **Storage:** If storing the device for an extended period, power it off, unplug it, and store it in a cool, dry place.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power / Device won't turn on	Power adapter not connected or faulty; power outlet issue.	Ensure power adapter is securely connected to both the PC and a working power outlet. Try a different outlet.
No display on monitor	Monitor not connected; incorrect input source selected on monitor; faulty cable.	Check display cable connections. Ensure monitor is on and set to the correct input source (HDMI/DP). Try a different cable or monitor.
Wi-Fi connection issues	Incorrect Wi-Fi password; router issue; driver problem.	Verify Wi-Fi password. Restart router. Check Windows Device Manager for Wi-Fi adapter status and update drivers if necessary.
Slow performance	Too many applications running; insufficient RAM; overheating.	Close unnecessary applications. Check Task Manager for resource usage. Ensure proper ventilation. Consider upgrading RAM if frequently experiencing slowdowns.
Bluetooth device not pairing	Bluetooth disabled; device out of range; device not in pairing mode.	Ensure Bluetooth is enabled in Windows settings. Move device closer to the PC. Put the Bluetooth device into pairing mode.

For further assistance, please contact Beelink customer support.

10. SPECIFICATIONS

Feature	Detail
Processor	AMD Ryzen 7 6800H (8 Cores/16 Threads, up to 4.7GHz)
Graphics	AMD Radeon Graphics 12core 2200 MHz (Integrated)
RAM	32GB LPDDR5 6300MHz
Storage	1TB M.2 2280 PCIe4.0 x4 NVMe SSD (Supports dual M.2 PCIe4.0 SSDs)
Operating System	Windows 11 Pro
Video Output	HDMI 2.0 (4K@60Hz), DP 1.4 (4K@144Hz), Type-C (Data & Video) - Triple Display Support
Wireless Connectivity	Wi-Fi 6 (802.11ax), Bluetooth 5.2
Wired Connectivity	Gigabit Ethernet LAN (RJ-45)
USB Ports	3 x USB 3.2 Gen2, 2 x USB 2.0, 1 x Type-C (Data & Video)

Feature	Detail
Audio	1 x Audio Jack (HP&MIC)
Power Input	100-240V AC, 50/60Hz
Dimensions	Approximately 8.82 x 5.47 x 2.36 inches
Weight	Approximately 1.98 pounds

11. WARRANTY AND SUPPORT
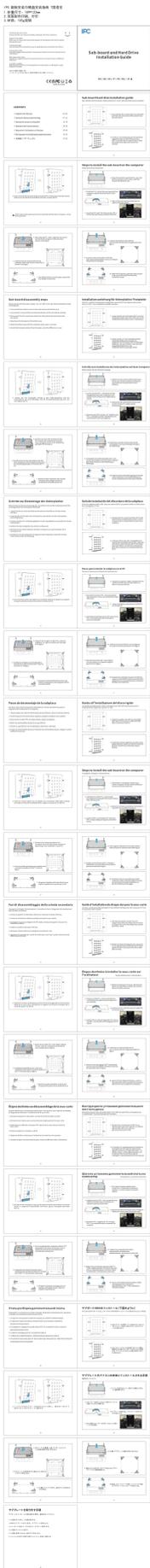
Beelink provides comprehensive support for its products:

- **Warranty:** 1-Year free warranty.
- **Technical Support:** Lifetime technical support.
- **After-Sales Service:** 24/7 after-sales service.
- **Certifications:** All products have obtained FCC, RoHS, and CE Certifications.

If you encounter any issues or have questions, please do not hesitate to contact Beelink customer service. We are committed to resolving your problems.
For more information, visit the official Beelink store:Beelink Store on Amazon

Related Documents - SER5 MAX

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.

[Beelink SER6 Pro Mini PC User Guide and Specifications](#)
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.

[Beelink Product Warranty Information and Return Policy](#)

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.
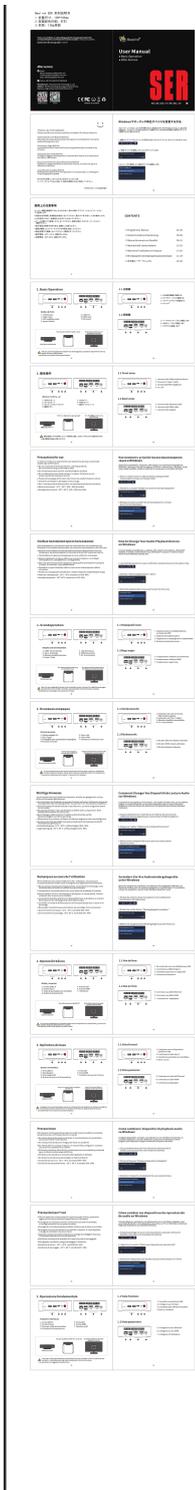
[Beelink GTR7 Mini PC: Guide to Activating TPM 2.0 for Windows 11](#)

Step-by-step instructions on how to activate TPM 2.0 on the Beelink GTR7 Mini PC to meet Windows 11 requirements. Learn to navigate BIOS settings and enable AMD fTPM.

[How to Enable AUTO Power On in BIOS - Beelink SER3 Setup Guide](#)

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.

[Beelink SER Series Mini PC User Manual and Specifications](#)

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.

Documents - Beelink – SER5 MAX

phs memory®

16GB Computer memory DDR4
for Beelink Mini PC SER5 MAX (5800H) SO DIMM

phs memory®

DDR4 SO DIMM

Your benefits

- ✓ verified quality memory
- ✓ 5 years warranty
  warranty details see last page
- ✓ 100% compatible
- ✓ free support on our hotline
- ✓ fast delivery

PHS-memory® - computer memory with 100% quality

- many years of IT competence
- Free support for optimal configuration and product selection
- High-availability through professional warehouse management
- Fast delivery in throughout Europe
- Short response times and professional order processing due to full digitalization throughout the entire process with complete traceability
- Incoming goods inspection include checks of the DRAMs, PCBs and the programmed SPDs in order to exclude possible errors (Controlled BOH)
- PHS-memory® brand memories guarantee 100% compatibility to the specified system.
- PHS-memory® memories can be used together with existing memories in the device - depends on to the configuration rules of the system.
- The "Fallback option" in the SPD of PHS-memory® allows DRAMs with higher clock rates to be operated together with older memory modules with lower clock rates within the system.
- Products with unique serial number for service and warranty
- Pre-sales and after-sales support by technically trained personnel

[pdf] Datasheet Warranty

Product Datasheet SP500173 16GB Computer memory DDR4 for Beelink Mini PC **SER5 MAX** 5800H SO DIMM 42,27 EUR plus VAT 50,30 EUR incl. VAT en stock https://www.phs-memory.es Version: 20.08.2025 19:31 Your benefits verified quality memory 5 years warranty Warranty details see last page 100 compatib... lang:en score:23 filesize: 934.25 K page_count: 0 document date: