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› Beelink SER3 Mini PC Instruction Manual - AMD Ryzen 3 3200U

## Beelink SER3

# Beelink SER3 Mini PC Instruction Manual

Model: SER3 16G/500G/3200U

## 1. INTRODUCTION

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The Beelink SER3 Mini PC is a compact and powerful computing solution designed for a variety of tasks, from business applications and home entertainment to online courses and light gaming. Equipped with an AMD Ryzen 3 3200U processor, 16GB of DDR4 RAM, and a 500GB PCIe SSD, it offers efficient performance in a small form factor. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Mini PC.

**SER**

# Small and practical office Mini PC

AMD Ryzen™ 3 3200U



*Figure 1: Front view of the Beelink SER3 Mini PC, showcasing its compact design and accessible front ports.*

## 2. WHAT'S IN THE BOX

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Please check the package contents upon unboxing to ensure all items are present:

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

# The exploded view

See technical structure assembly of various parts

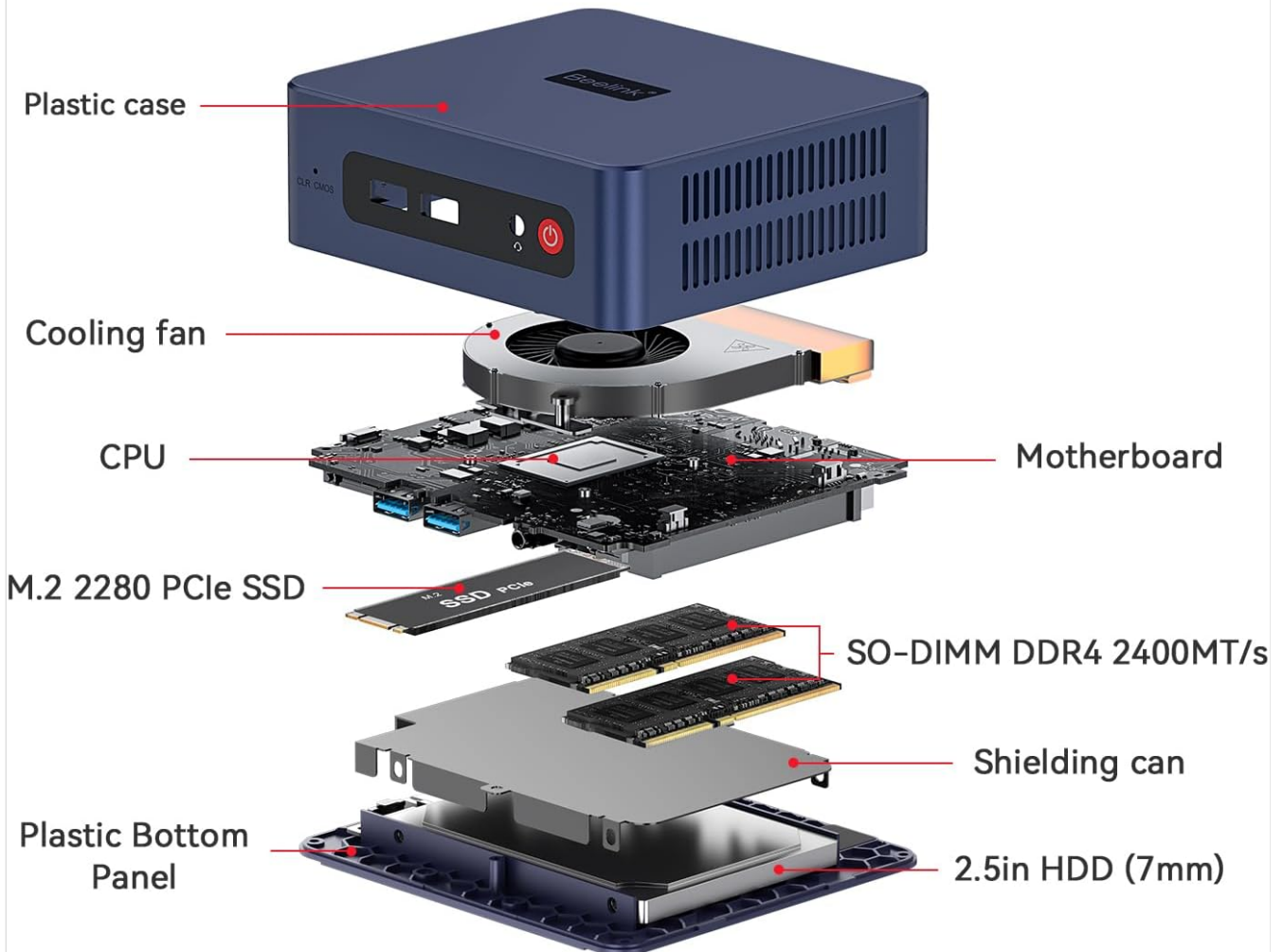


Figure 2: Included accessories for the Beelink SER3 Mini PC.

## 3. PRODUCT OVERVIEW

### 3.1. External Features and Ports

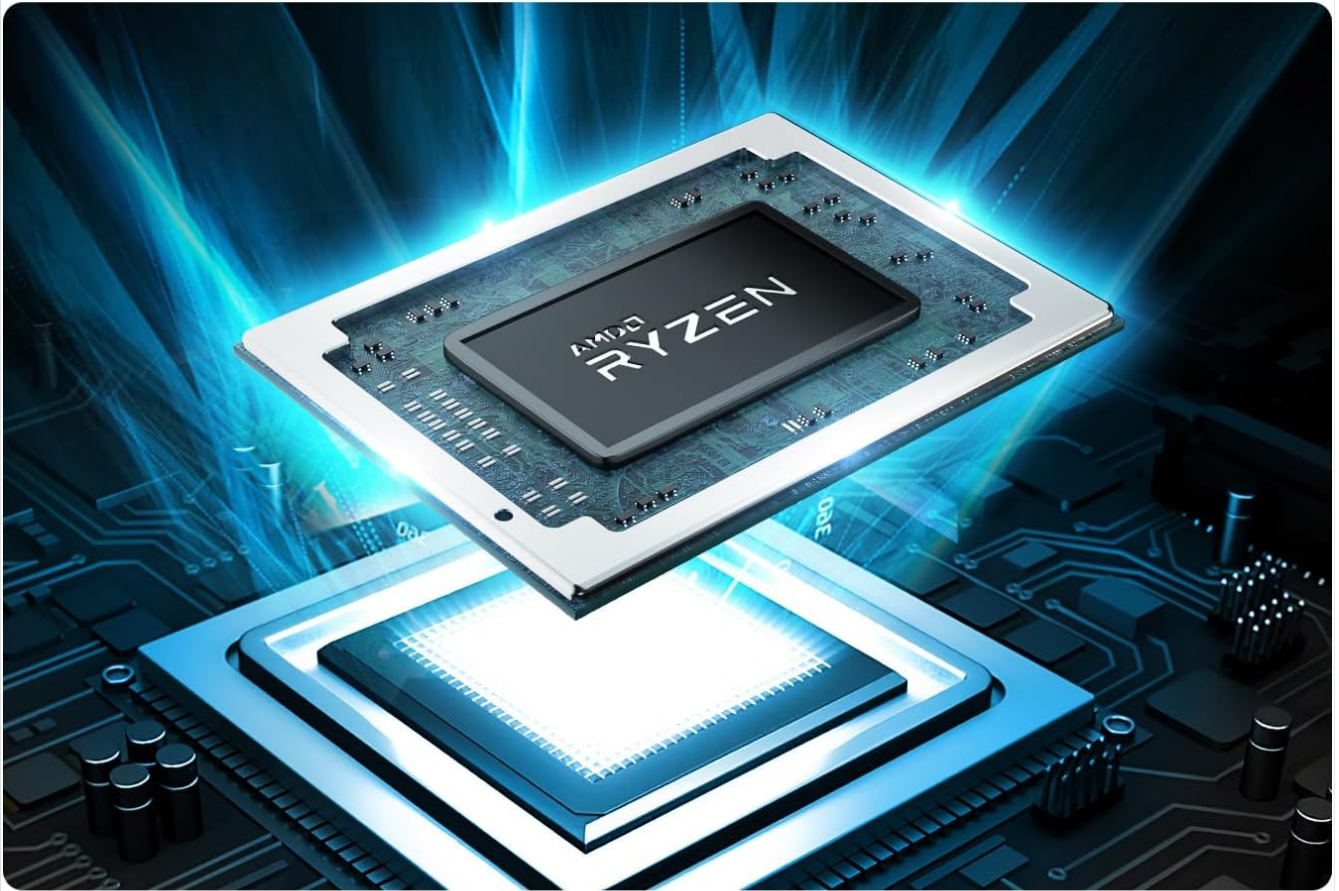
The Beelink SER3 Mini PC features a sleek, compact design with strategically placed ports for easy connectivity.

#### Front Panel:

- **Power Button:** To turn the device on/off.
- **USB 3.2 Ports (x2):** For high-speed data transfer with compatible devices.
- **Audio Jack (HP&MIC):** For headphones and microphone.
- **CLR CMOS:** Button to clear CMOS settings.

# AMD Ryzen™ 3 3200U

4M L3 Cache, up to 3.5GHz



**3.5** GHz

2Cores  
4Threads

**1200** MHz

GPU  
Radeon™ Vega 3 Graphics

*Figure 3: Front panel of the Mini PC with power button, USB ports, and audio jack.*

## Rear Panel:

- **LAN (RJ-45):** Gigabit Ethernet port for wired network connection.
- **USB 3.2 Ports (x2):** Additional high-speed USB ports.
- **HDMI Ports (x2):** Supports dual 4K@60Hz display output.
- **DC Jack:** For connecting the power adapter.

# Product specification

Dimension	124x113x42mm		Wireless LAN	WiFi 5 (802.11ac) Bluetooth 5.0
CPU	AMD Ryzen™ 3 3200U Mobile Processor with Radeon™ Vega 3 Graphics			
Graphics	Radeon™ Vega 3 Graphics 1200MHz		Power LED	1
System disk	M.2 PCIE3.0 X4(2280) Max 2TB Slot			
Internal slot	SODIMM DDR4 2400MT/S	2	Adapter	19V-3.42A Certification
	SATA HDD (2.5inch 7mm) Slot	1		Input: 100-240V AC, 50/60Hz , Output: 19V 3.42A
Interface	DC Jack	1	Operating Environment	-10°C--45°C, 30%--90% Humidity
	USB3.2 10Gbps	4	Storage Environment	-20°C--60°C, 10%--90% Humidity
	RJ45 1000M	1	Accessories	Wall-Mounted bracket
	HDMI (4K 60Hz)	2		HDMI 100CM
	Audio Jack (HP&MIC)	1		Adapter19V/3.42A
			Additional function	WOL
				AUTO POWER ON

Figure 4: Rear panel of the Mini PC with network, USB, HDMI, and power input.

## 3.2. Internal Components

The Mini PC is designed for easy access to its internal components for upgrades and maintenance.

# SO-DIMM DDR4 2400MT/s

## High quality memory Stable operation

Single-channel up to 16GB, dual-channel up to 32GB  
optional up to dual channel 16GB.

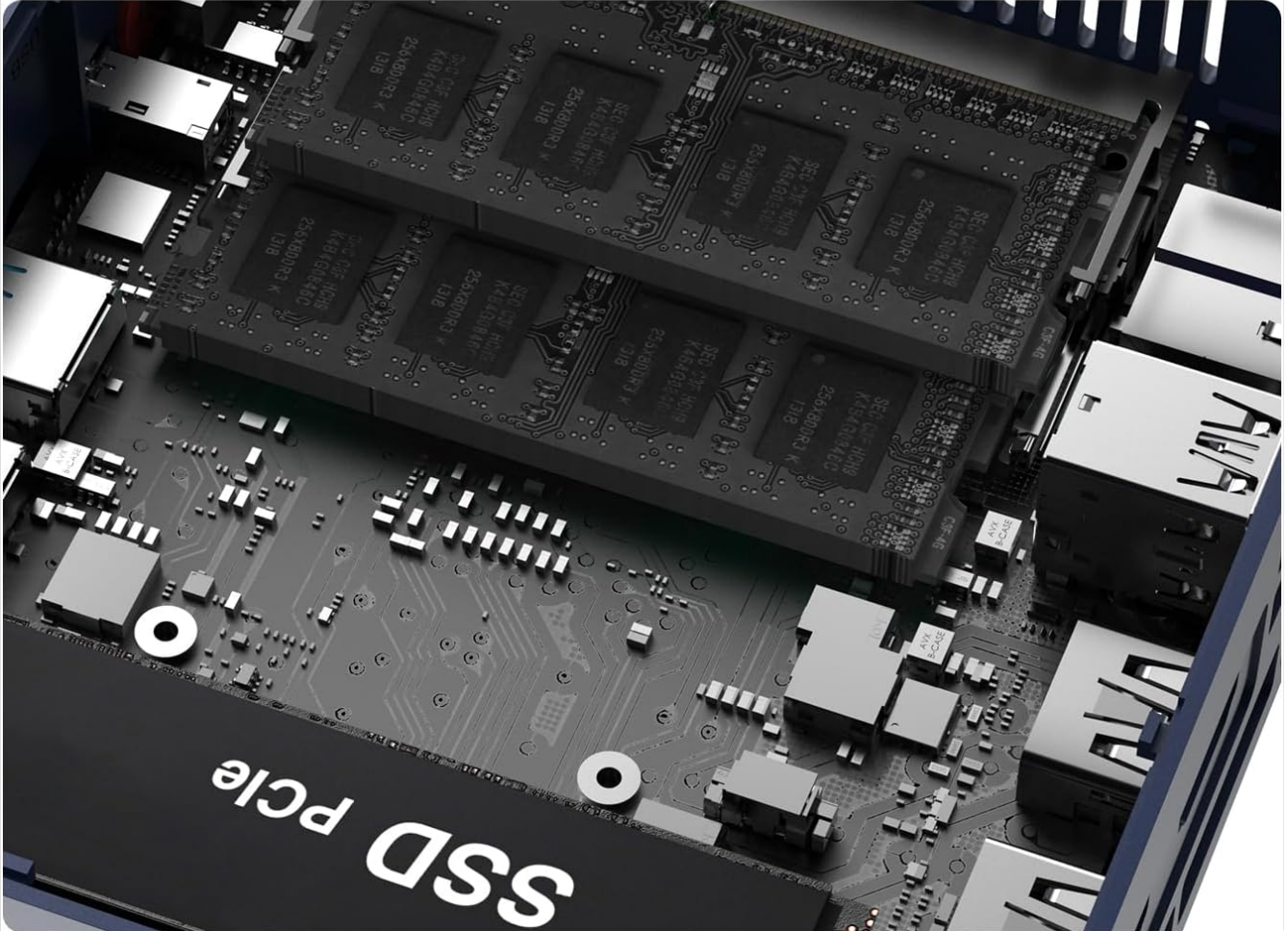


Figure 5: Exploded view illustrating the internal structure and components of the Mini PC.

## 4. SETUP

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1. **Connect Peripherals:** Connect your keyboard, mouse, and monitor(s) to the appropriate USB and HDMI ports.
2. **Connect to Network:** For wired connection, plug an Ethernet cable into the LAN port. For wireless, ensure your Wi-Fi network is available during initial setup.
3. **Connect Power:** Plug the power adapter into the DC Jack on the rear panel, then connect it to a power outlet.
4. **Power On:** Press the power button on the front panel to turn on the Mini PC.

## 5. OPERATING INSTRUCTIONS

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- **First Boot:** Upon first boot, the system will guide you through the Windows 11 setup process. Follow the on-screen instructions to configure your language, region, network, and user account.
- **Power On/Off:** Press the power button once to turn on the device. To shut down, use the standard Windows shutdown procedure (Start Menu > Power > Shut down). A short press on the power button will put the PC to sleep.

- **Restart:** Use the standard Windows restart procedure (Start Menu > Power > Restart).
- **Dual Display:** Connect up to two monitors via the HDMI ports for extended desktop functionality.

## 6. UPGRADING COMPONENTS

The Beelink SER3 Mini PC allows for easy upgrades of its RAM and storage components.

### 6.1. RAM Upgrade

The device comes with 16GB DDR4 RAM (2400MHz) and can be upgraded to a maximum of 32GB (2 x 16GB).

### 6.2. SSD Upgrade

The Mini PC includes a 500GB M.2 PCIe 3.0 x4 (2280) SSD, which can be upgraded to a maximum of 2TB. It also supports adding a 2.5-inch SATA HDD/SSD (up to 2TB).



Figure 6: Internal layout highlighting the M.2 SSD and RAM slots for easy upgrades.

### 6.3. Upgrade Tutorial Video

For a detailed visual guide on upgrading the SSD, please refer to the official tutorial video:

*Video 1: Official tutorial on how to replace the SSD in a Beelink Mini PC.*

## 7. WINDOWS 11 INSTALLATION

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Your Beelink SER3 Mini PC comes pre-installed with Windows 11 Pro. If you need to reinstall the operating system, follow these general steps:

- Prepare Installation Media:** Create a bootable USB drive with Windows 11 installation files using the Microsoft Media Creation Tool.
- Boot from USB:** Connect the bootable USB drive to the Mini PC. Power on the PC and repeatedly press the designated key (usually F7 or DEL, refer to your specific model's quick start guide) to enter the boot menu. Select your USB drive as the boot device.
- Follow On-Screen Prompts:** The Windows setup wizard will guide you through the installation process. Choose your language, time, and keyboard settings. Select the custom installation option to manage disk partitions.
- Disk Partitioning:** If reinstalling, you may need to delete existing partitions on your SSD before creating new ones for a clean installation. Ensure you back up any important data beforehand.
- Complete Installation:** Follow the remaining prompts to complete the Windows 11 installation. The PC will restart several times.

### 7.1. Windows 11 Installation Tutorial Video

For a visual guide on installing Windows 11, please watch the official tutorial:

*Video 2: Official tutorial demonstrating the steps to install Windows 11 on a Beelink Mini PC.*

## 8. DRIVER INSTALLATION

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After installing Windows 11, it is crucial to install the correct drivers for optimal performance. While Windows Update may install some drivers automatically, it is recommended to download the latest drivers directly from the Beelink support website.

- Download Drivers:** Visit the official Beelink support website ([www.bee-link.com/support](http://www.bee-link.com/support)). Navigate to the 'Drivers & Downloads' section.
- Locate Your Model:** Search for 'SER3' or your specific model number to find the relevant drivers.
- Download and Install:** Download all necessary drivers (e.g., chipset, graphics, Wi-Fi, Bluetooth, audio). Unzip them if necessary and follow the installation instructions provided with each driver package. Restart your PC after installing all drivers.

## 9. SPECIFICATIONS

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Feature	Specification
Brand	Beelink
Model Name	Beelink SER3
CPU Model	AMD Ryzen 3 3200U (2C/4T, up to 3.5GHz)
Graphics Coprocessor	Radeon Vega 3 Graphics (3core 1200 MHz)
RAM Memory	16GB DDR4 2400MHz (Upgradeable to 32GB)

Hard Disk	500GB M.2 PCIe 3.0 x4 (2280) SSD (Upgradeable to 2TB)
Additional Storage	Supports 2.5" SATA HDD/SSD (up to 2TB)
Operating System	Windows 11 Pro
Wireless Connectivity	WiFi6 (802.11ac), Bluetooth 5.2
LAN	1000M Gigabit Ethernet
Video Output	2 x HDMI (4K@60Hz Dual Display)
USB Ports	4 x USB 3.2
Audio Port	1 x Audio Jack (HP&MIC)
Cooling Method	Fan, Large fan and dual heat conduction tube
Dimensions	124x113x42mm

## 10. TROUBLESHOOTING

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If you encounter any issues with your Beelink SER3 Mini PC, please refer to the following general troubleshooting tips:

- **No Power:** Ensure the power adapter is securely connected to both the PC and a working power outlet. Try a different outlet if necessary.
- **No Display:** Check all HDMI cable connections. Ensure your monitor is set to the correct input source. Try a different HDMI cable or monitor.
- **System Unresponsive:** Press and hold the power button for 10 seconds to force a shutdown, then restart the PC. If the issue persists, try clearing the CMOS settings using the CLR CMOS button on the front panel (refer to the quick start guide for location).
- **Network Issues:** For wired connections, check the Ethernet cable and router. For Wi-Fi, ensure the network is available and you have the correct password. Update Wi-Fi drivers if needed.
- **Driver Problems:** If devices are not working correctly, ensure all drivers are installed and up-to-date from the official Beelink support website.

## 11. WARRANTY AND SUPPORT

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Beelink is committed to providing excellent after-sales service for your Mini PC.

- **Warranty:** Your Beelink SER3 Mini PC comes with a 3-year warranty.
- **Technical Support:** We offer lifetime technical support.
- **After-Sales Service:** 24/7 after-sales service is available.

If you have any questions or require assistance, please do not hesitate to contact us. We are 100% guaranteed to solve your problems.

### 11.1. How to Contact Us Video

For information on how to reach our support team, please watch the following video:

*Video 3: Official guide on contacting Beelink customer support.*

