

[Manuals.plus](#) /

> [NiPoGi](#) /

> NiPoGi Mini PC E3B Ryzen 5 7430U User Manual

## NiPoGi E3B

# NiPoGi Mini PC E3B Ryzen 5 7430U User Manual

Model: E3B

## 1. INTRODUCTION

The NiPoGi Mini PC E3B is a compact and powerful desktop computer designed for various applications, including business, design, and home entertainment. Featuring an AMD Ryzen 5 7430U processor, 16GB DDR4 RAM, and a 512GB M.2 SSD, it offers efficient performance and supports 4K triple display output, WiFi 6, and Bluetooth 5.2 connectivity.



Image 1.1: Front view of the NiPoGi Mini PC E3B.

## 2. PACKAGE CONTENTS

---

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

- 1 x NiPoGi Mini PC E3B
- 1 x Power Adapter
- 1 x HDMI Cable
- 1 x User Manual
- 1 x VESA Mount Bracket

## 3. PRODUCT OVERVIEW

---

### 3.1. Interfaces

The NiPoGi Mini PC E3B features a variety of ports for connectivity and expansion:

# USB3.2 Gen2 Type-C



10Gbps Data Transfer Speed

4K

4K UHD Display



Charge External Devices

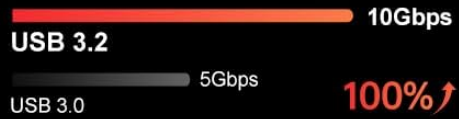


Image 3.1: Front and rear panel interfaces of the NiPoGi Mini PC E3B.

## Front Panel:

- **Power Button:** To turn the device on or off.
- **3.5mm Audio Jack:** For headphones or external speakers.
- **USB3.2 Gen2 Type-A Port (x2):** High-speed data transfer (10Gbps).
- **USB3.2 Gen2 Type-C Port (x1):** Supports data transfer (10Gbps), 4K@60Hz display output, and charging external devices.

## Rear Panel:

- **DC IN:** Power input port.
- **HDMI 2.0 (x1):** Supports 4K@60Hz display output.
- **DP 1.4 (x1):** Supports 4K@60Hz display output.
- **RJ45 Gigabit Ethernet Port (x1):** For wired network connection (10M/100M/1000Mbps).
- **USB3.2 Gen1 Type-A Port (x4):** Standard USB ports for peripherals.

## 4. SETUP

---

### 4.1. Initial Connection

1. **Connect Display:** Connect your monitor(s) to the Mini PC using the HDMI, DisplayPort, or USB-C ports.
2. **Connect Peripherals:** Plug in your keyboard, mouse, and any other USB devices into the available USB ports.
3. **Connect Network (Optional):** For a wired connection, connect an Ethernet cable to the RJ45 port. For wireless, ensure your WiFi network is available.
4. **Connect Power:** Plug the power adapter into the DC IN port on the Mini PC, then plug the adapter into a power outlet.

### 4.2. VESA Mounting

The Mini PC can be mounted behind a monitor or on a wall using the included VESA bracket to save desk space.

1. Attach the VESA bracket to the back of your monitor or desired wall location using appropriate screws.
2. Slide the Mini PC onto the VESA bracket until it clicks securely into place.

# Easily Multitasking

 **16GB DDR4**  
Up To 64GB

 **512GB M.2 SSD**  
M.2 2280 Slot\*1, Support PCIe3.0 /SATA SSD  
M.2 2280 Slot\*1, Support SATA SSD  
Up To 4TB SSD



Image 4.1: NiPoGi Mini PC E3B VESA mounted behind a monitor.

## 5. OPERATING INSTRUCTIONS

### 5.1. Power On/Off

- **To Power On:** Press the power button located on the front panel. The power indicator light will illuminate.
- **To Power Off:** Access the operating system's shutdown menu (e.g., Start > Power > Shut down in Windows) or press and hold the power button for 5-7 seconds for a forced shutdown (use only when necessary).

## 5.2. First Boot and Windows Setup

Upon the first power-on, the system will guide you through the Windows 11 Pro setup process. Follow the on-screen instructions to configure language, region, network, and user accounts.

## 5.3. Display Configuration (4K Triple Display)

The Mini PC supports up to three 4K@60Hz displays simultaneously via its HDMI 2.0, DisplayPort 1.4, and USB3.2 Gen2 Type-C ports. This allows for an extended desktop experience for enhanced productivity or immersive entertainment.



Image 5.1: NiPoGi Mini PC E3B supporting a triple-screen display setup.

## 5.4. Wireless Connectivity

The Mini PC is equipped with WiFi 6 and Bluetooth 5.2 for robust wireless connections.

- **WiFi 6:** Offers faster speeds and improved performance in congested network environments compared to WiFi 5. Connect to your wireless network via Windows settings.
- **Bluetooth 5.2:** Provides lower latency and faster data transfer for connecting wireless peripherals such as keyboards, mice, and audio devices. Pair devices through Windows Bluetooth settings.



Image 5.2: NiPoGi Mini PC E3B highlighting WiFi 6 and Bluetooth 5.2 capabilities.

## 6. MEMORY AND STORAGE EXPANSION

---

The NiPoGi Mini PC E3B offers flexible expansion options for both RAM and storage.

- **RAM:** The device comes with 16GB DDR4 RAM. It features dual-channel slots that can be expanded up to 64GB (2x 32GB).
- **Storage:** It includes a 512GB M.2 SSD. Storage can be expanded up to 4TB (2x 2TB) by utilizing the available M.2 2280 slots which support both PCIe 3.0 and SATA SSDs.

For expansion, carefully open the Mini PC casing and install compatible RAM modules or M.2 SSDs into the designated slots. Refer to the detailed instructions in the full manual for safe installation procedures.

# AMD Ryzen 5 7430U

6/12

Cores  
Thread

16MB

Cache

4.3GHz

Max Turbo  
Frequency

28W

TDP

AMD  
RYZEN  
7000 SERIES

## Cinebench R23 (Single-Core)

AMD Ryzen 5 7430U

1421

AMD Ryzen 5 5650U

1363

21% ↑

## Cinebench R23 (Multi-Core)

AMD Ryzen 5 7430U

8198

AMD Ryzen 5 5650U

7140

16% ↑

Image 6.1: Internal view of the NiPoGi Mini PC E3B showing RAM and M.2 SSD expansion slots.

## 7. MAINTENANCE

To ensure optimal performance and longevity of your NiPoGi Mini PC E3B, follow these maintenance guidelines:

- **Cleaning:** Regularly clean the exterior of the Mini PC with a soft, dry cloth. Use compressed air to gently clear dust from the ventilation openings to maintain efficient cooling.
- **Ventilation:** Ensure the Mini PC is placed in a well-ventilated area. Avoid blocking the air vents. The dual air outlet design and internal airflow structure are optimized for heat dissipation.

- **Software Updates:** Keep your operating system and drivers updated to ensure system stability and security.
- **Environmental Conditions:** Operate the Mini PC within recommended temperature and humidity ranges. Avoid extreme temperatures and direct sunlight.

## 8. TROUBLESHOOTING

---

If you encounter issues with your NiPoGi Mini PC E3B, refer to the following common troubleshooting steps:

- **No Power:** Ensure the power adapter is securely connected to both the Mini PC and a working power outlet. Test the outlet with another device.
- **No Display:** Check that the HDMI, DisplayPort, or USB-C cable is firmly connected to both the Mini PC and the monitor. Verify the monitor is powered on and set to the correct input source. Try a different cable or monitor if possible.
- **No Internet Connection (Wired):** Ensure the Ethernet cable is properly connected. Check your router and modem.
- **No Internet Connection (Wireless):** Verify WiFi is enabled in Windows settings. Ensure you are connected to the correct network and have entered the password correctly. Restart your router.
- **Peripherals Not Working:** Try connecting the peripheral to a different USB port. Ensure drivers are installed if required. Test the peripheral on another computer.
- **System Slowdown:** Check for background applications consuming resources. Ensure sufficient free storage space. Consider running a system scan for malware.

## 9. SPECIFICATIONS

---

Detailed technical specifications for the NiPoGi Mini PC E3B:

<b>Model Number</b>	E3B
<b>Processor</b>	AMD Ryzen 5 7430U (6 Cores, 12 Threads, 2.3 GHz Base, up to 4.3 GHz Turbo)
<b>Graphics</b>	AMD Radeon RX Vega 7 (Integrated)
<b>RAM</b>	16GB DDR4 (Expandable up to 64GB)
<b>Storage</b>	512GB M.2 SSD (Expandable up to 4TB)
<b>Operating System</b>	Windows 11 Pro
<b>Video Output</b>	HDMI 2.0 (4K@60Hz), DisplayPort 1.4 (4K@60Hz), USB3.2 Gen2 Type-C (4K@60Hz)
<b>Wireless Connectivity</b>	WiFi 6 (802.11ax), Bluetooth 5.2
<b>Wired Connectivity</b>	Gigabit Ethernet (RJ45)
<b>USB Ports</b>	2x USB3.2 Gen2 Type-A, 4x USB3.2 Gen1 Type-A, 1x USB3.2 Gen2 Type-C
<b>Audio Port</b>	1x 3.5mm Audio Jack
<b>Cooling Method</b>	Air Cooling
<b>Dimensions</b>	Approximately 5 x 5 x 2 inches (23.8 x 18.6 x 7.6 cm packaged)
<b>Weight</b>	1.18 kg (packaged)

## 10. WARRANTY AND SUPPORT

---

NiPoGi provides comprehensive support and warranty services for your Mini PC E3B.

## 10.1. Warranty Information

During the warranty period, NiPoGi offers service centers for the exchange or repair of your Mini PC. Please retain your proof of purchase for warranty claims.

## 10.2. Contact Support

For any questions or technical assistance, please use the following contact methods:

- **Amazon Support:** Log in to your Amazon account, navigate to "Your Orders," and select "Ask a product question" for the NiPoGi Mini PC E3B.
- **Email Support:** [support@nipogi.com](mailto:support@nipogi.com)
- **Phone Support (Europe):** +49 800 182 1386 (Monday-Friday, 9am-5pm EST)

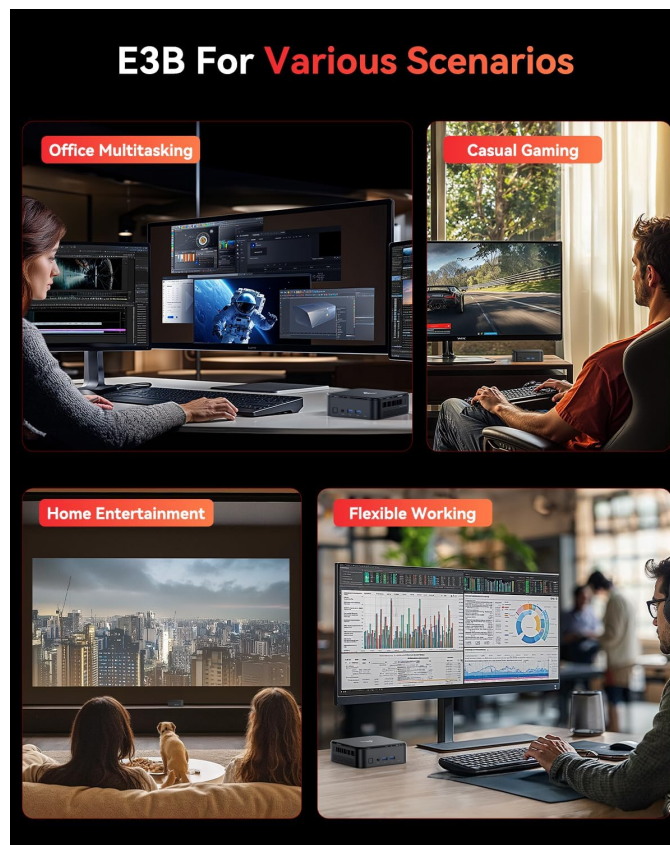


Image 10.1: NiPoGi customer support contact details.