

NiPoGi E3B

NiPoGi E3B Mini PC User Manual

Model: E3B

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your NiPoGi E3B Mini PC. Please read this manual thoroughly before using the device to ensure proper functionality and to maximize its lifespan.

2. PRODUCT OVERVIEW

The NiPoGi E3B is a compact mini PC designed for various applications, including office work, home entertainment, and creative projects. It features an AMD Ryzen 7 7730U processor, AMD Radeon Graphics, and extensive connectivity options.

Key Features

- **Processor:** AMD Zen3 Ryzen 7 7730U (8 Cores, 16 Threads, up to 4.5 GHz)
- **Graphics:** AMD Radeon Graphics (2000 MHz, 8 Cores) with 4K@60Hz support
- **Memory:** 32GB DDR4 3200MHz RAM (expandable up to 64GB)
- **Storage:** 1TB M.2 2280 NVMe PCIe SSD (expandable up to 4TB)
- **Connectivity:** WiFi 6, Bluetooth 5.2, 1Gbps LAN
- **Display Output:** Supports up to three 4K@60Hz displays via HDMI 2.0, DisplayPort 1.4, and USB 3.2 Gen2 Type-C
- **Compact Design:** 5.04 x 5.04 x 1.63 inches, VESA mount compatible

Ports and Interfaces

The NiPoGi E3B Mini PC offers a variety of ports for connecting peripherals and displays.

Premium Multi-Interface Design

Front Interface

- 3.5mm Audio × 1
- Power Button × 1
- USB3.2 Gen2 Type-A × 2 (10Gbps)
- USB3.2 Gen2 Type-C × 1
(Support DP1.4, 4K@60Hz , 10Gbps, PD output)

Rear Interface

- HDMI 2.0 × 1 (4K@60Hz)
- USB3.2 Gen1 Type-A × 4 (5Gbps)
- 1Gbps RJ45 × 1
- DC Power × 1
- DP1.4b × 1 (4K@60Hz)



**Connect All
Your Devices**



Monitor



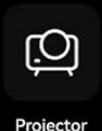
Keyboard



Printer



HDTV



Projector



Headphones

Image: Front and rear view of the NiPoGi E3B Mini PC, highlighting all available ports.

Front Interface:

- 1 x 3.5mm Audio Jack
- 1 x Power Button
- 2 x USB 3.2 Gen2 Type-A (10Gbps)
- 1 x USB 3.2 Gen2 Type-C (Supports DP1.4, 4K@60Hz, 10Gbps Data Transfer, PD Charging Output)

Rear Interface:

- 1 x HDMI 2.0 (4K@60Hz)
- 4 x USB 3.2 Gen1 Type-A (5Gbps)
- 1 x 1Gbps RJ45 LAN Port
- 1 x DC Power Input
- 1 x DisplayPort 1.4 (4K@60Hz)

3. SETUP GUIDE

Package Contents

Verify that all items are present in the package:

- NiPoGi E3B Mini PC
- Power Adapter (Type E/F – 2-pin EU hybrid)
- HDMI Cable
- VESA Mount Bracket and Screws
- User Manual

Initial Connection

1. **Connect Display:** Connect your monitor(s) to the Mini PC using the HDMI, DisplayPort, or USB-C ports. The device supports up to three displays simultaneously.
2. **Connect Peripherals:** Plug in your keyboard, mouse, and other USB devices into the available USB ports.
3. **Connect Power:** Insert the power adapter into the DC power input port on the rear of the Mini PC, then plug the adapter into a power outlet.
4. **Power On:** Press the power button located on the front of the Mini PC. The system will boot up.

VESA Mount Installation (Optional)

The NiPoGi E3B Mini PC can be mounted to the back of a compatible monitor using the included VESA mount bracket. This allows for a cleaner workspace.

1. Attach the VESA bracket to the back of your monitor using the provided screws.
2. Slide the Mini PC onto the mounted bracket until it clicks securely into place.

4. OPERATING INSTRUCTIONS

Power Management

- **Power On:** Press the power button once.
- **Sleep Mode:** Short press the power button while the PC is on.
- **Shut Down:** Access the operating system's power options to shut down, or press and hold the power button for 5-7 seconds for a forced shutdown (use only when necessary).

Network Connectivity

- **Wi-Fi:** The Mini PC supports WiFi 6 for fast wireless connections. Access your operating system's network settings to connect to a Wi-Fi network.

- **Ethernet:** For a wired connection, connect an Ethernet cable to the RJ45 LAN port on the rear of the Mini PC.

Ready for a faster Smoother Mini PC experience?

WiFi 6 takes your speed and performance to the next level



1Gbps LAN × 1

10M/100M/1000Mbps Auto-Negotiation



WiFi 6

2.7x Faster Than WiFi5

WiFi-6



Image: The NiPoGi E3B Mini PC, illustrating its WiFi 6 capabilities and LAN port.

Multi-Monitor Setup

The NiPoGi E3B supports connecting up to three displays simultaneously for enhanced productivity or immersive experiences.

Triple-Screen Display

Enjoy Visual Feast 4K@60Hz



HDMI 2.0 × 1 Type-C × 1 DP1.4 × 1

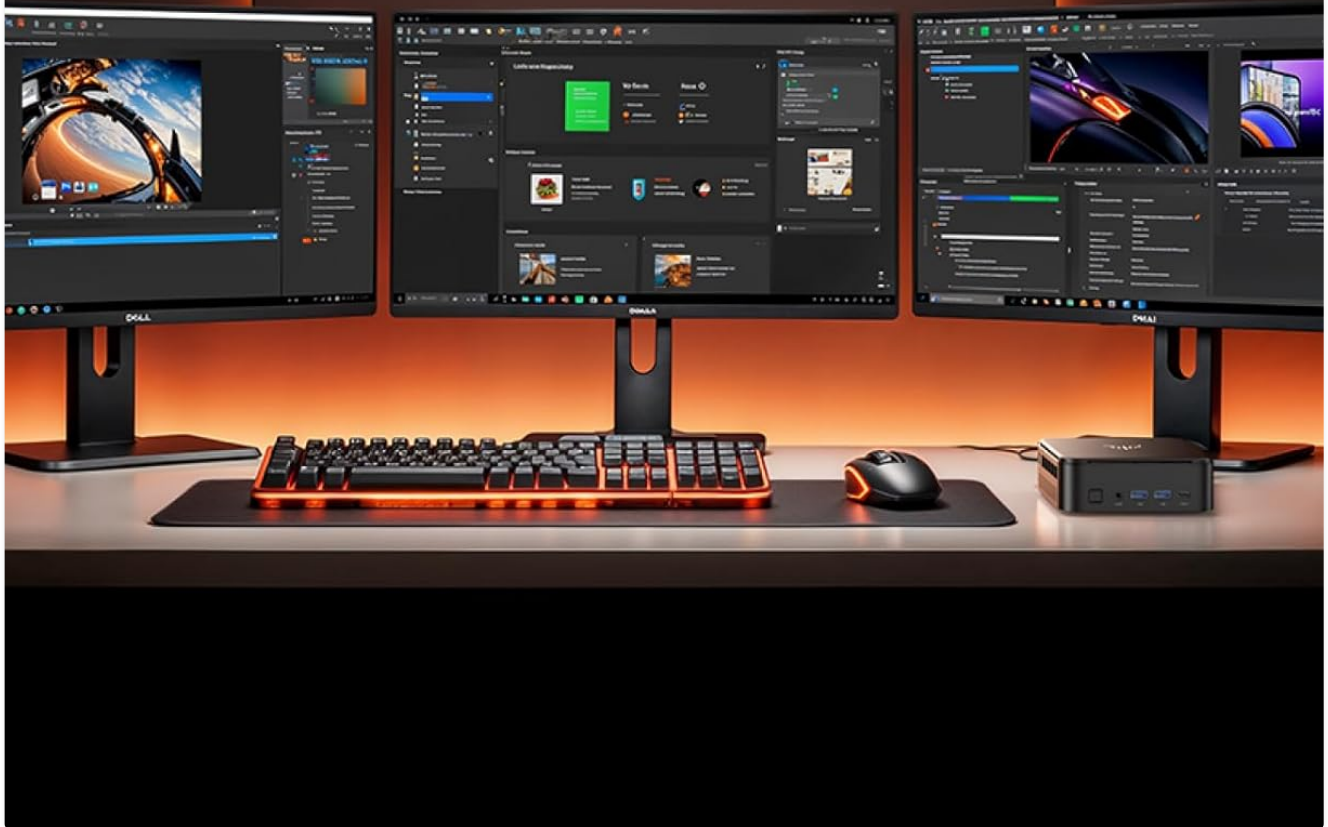


Image: A triple-monitor setup connected to the NiPoGi E3B Mini PC, demonstrating its multi-display capability.

Use a combination of the HDMI 2.0, DisplayPort 1.4, and USB 3.2 Gen2 Type-C ports to connect your monitors. Adjust display settings within your operating system.

Storage and Memory Expansion

The Mini PC's RAM and SSD can be upgraded to meet future needs.

Massive Storage Unleashed Performance



32GB DDR4 3200MHz

Expandable to 64GB



1TB M.2 2280 SSD (Pre-installed)

1* M.2 Slot only support M. 2 SATA SSD

1* M.2 Slot Support M.2 PCIe / SATA SSD

Max 4TB Total Storage



Image: Internal view of the NiPoGi E3B Mini PC, showing the M.2 SSD slots and SO-DIMM DDR4 memory slots.

- **RAM:** The DDR4 memory can be upgraded up to 64GB (2 x 32GB).
- **SSD:** The M.2 NVMe PCIe SSD is expandable up to 4TB (2 x 2TB). One M.2 slot supports M.2 SATA SSD, and the other supports M.2 PCIe/SATA SSD.

For upgrades, consult a qualified technician or refer to detailed upgrade guides available online to avoid damaging the device.

5. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your NiPoGi E3B Mini PC.

- **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.
- **Ventilation:** Ensure the Mini PC is placed in a well-ventilated area. Do not block the ventilation openings. The integrated quiet and powerful fan helps prevent overheating.
- **Software Updates:** Regularly update your operating system and drivers to maintain security and performance.
- **Data Backup:** Periodically back up important data to an external storage device or cloud service to prevent data loss.

6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No Power	Power adapter not connected, faulty outlet, power button issue.	Check power cable connection. Try a different power outlet. Ensure the power adapter is functioning.
No Display	Monitor cable loose, incorrect input source on monitor, faulty cable/monitor.	Ensure display cables (HDMI, DP, USB-C) are securely connected. Select the correct input source on your monitor. Test with a different cable or monitor if possible.
No Internet Connection	Wi-Fi disabled, incorrect Wi-Fi password, LAN cable disconnected, router issue.	Check Wi-Fi settings and password. Ensure LAN cable is properly connected. Restart your router/modem.
Slow Performance	Too many applications running, insufficient RAM, overheating.	Close unnecessary applications. Check for background processes. Ensure proper ventilation. Consider RAM upgrade if frequently experiencing slowdowns.

If the problem persists after attempting these solutions, please contact NiPoGi customer support for further assistance.

7. SPECIFICATIONS

Detailed technical specifications for the NiPoGi E3B Mini PC:

Component	Specification
Processor	AMD Ryzen 7 7730U (8 Cores, 16 Threads, up to 4.5 GHz, 16MB L3 Cache)
Graphics	AMD Radeon Graphics (8 Cores, 2000 MHz)
RAM	32GB DDR4 3200MHz (2x SO-DIMM slots, max 64GB)
Storage	1TB M.2 2280 NVMe PCIe SSD (2x M.2 slots, max 4TB total)
Operating System	PC (Operating system pre-installed may vary)
Wireless Connectivity	WiFi 6 (802.11ax), Bluetooth 5.2

Component	Specification
Wired Connectivity	1 x RJ45 Gigabit Ethernet
Video Output	1 x HDMI 2.0 (4K@60Hz), 1 x DisplayPort 1.4 (4K@60Hz), 1 x USB 3.2 Gen2 Type-C (DP1.4, 4K@60Hz)
USB Ports	2 x USB 3.2 Gen2 Type-A, 4 x USB 3.2 Gen1 Type-A, 1 x USB 3.2 Gen2 Type-C
Audio	1 x 3.5mm Audio Jack
Power Input	DC 19V/3.42A
Cooling	Integrated Fan
Dimensions	5.04 x 5.04 x 1.63 inches (12.8 x 12.8 x 4.14 cm)
Weight	Approximately 1.19 kg (2.62 lbs)
VESA Mount	Supported

8. WARRANTY AND SUPPORT

NiPoGi is committed to providing reliable products and customer satisfaction.

Technical Support

We offer lifetime technical support for your NiPoGi E3B Mini PC. If you have any questions, require assistance with setup, operation, or troubleshooting, please do not hesitate to contact our customer service team.

Contact Information

For support inquiries, please refer to the contact details provided with your product packaging or visit the official NiPoGi website.