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NiPoGi E2

NiPoGi Essenx E2 Mini PC User Manual

Model: E2 | Brand: NiPoGi

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your NiPoGi Essenx E2 Mini PC. Please read it thoroughly before use and retain it for future reference. The NiPoGi Essenx E2 is a compact and powerful mini PC designed for various applications, including home office, business, and multimedia entertainment, featuring an Intel Alder Lake N97 processor and support for 4K dual displays.

Silent, Efficient Heat Dissipation

E2 New Upgrade

Built-in cooling fan higher heat dissipation

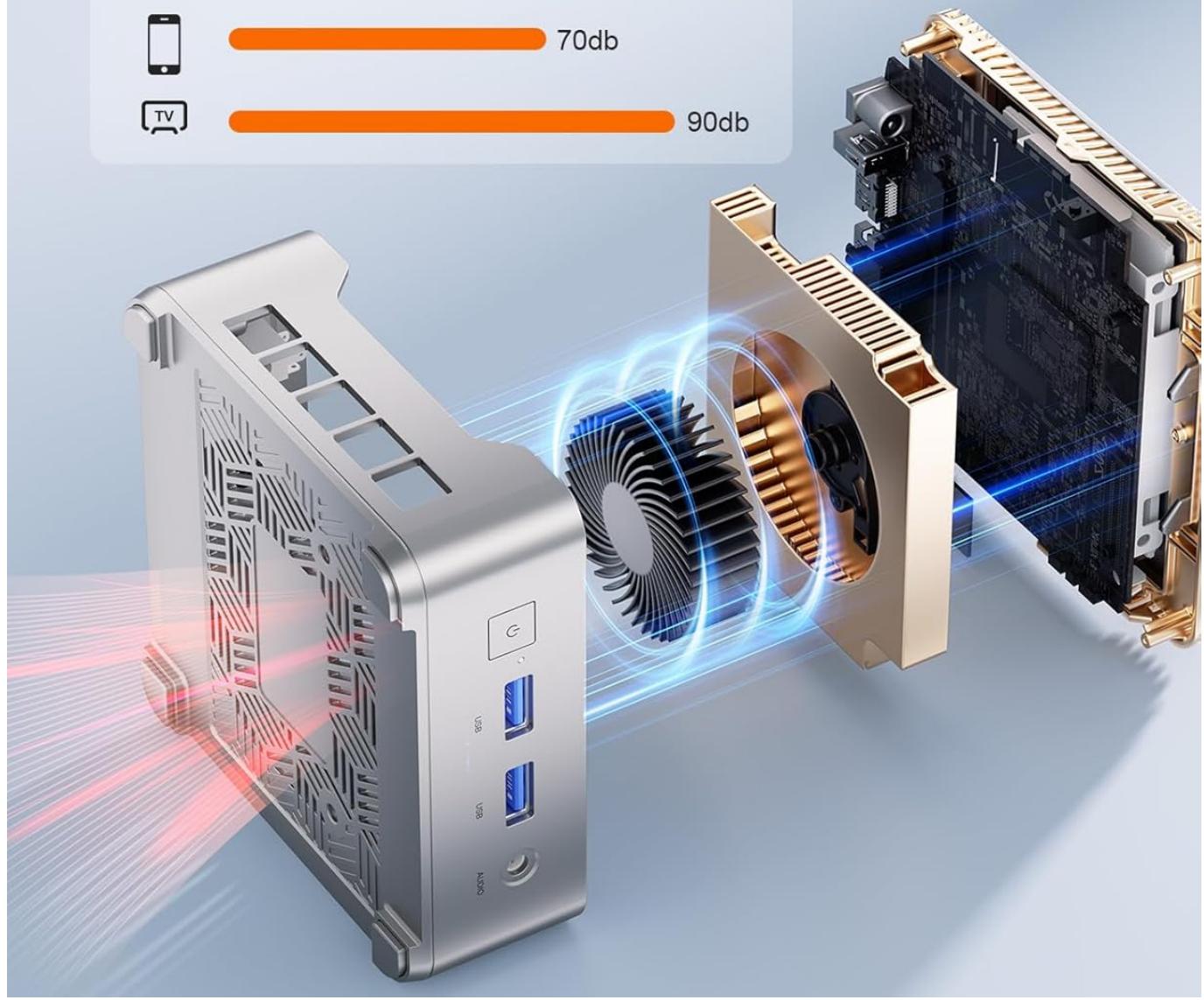
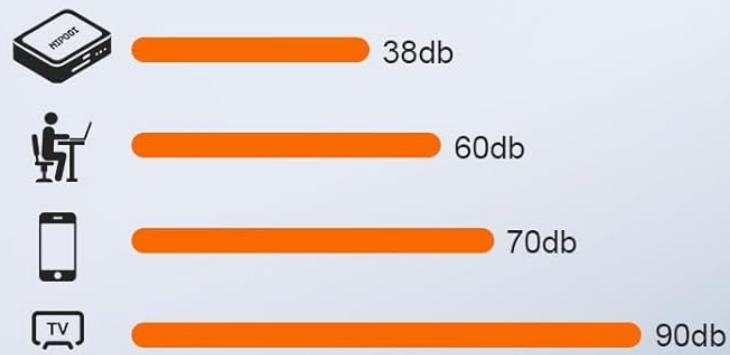


Figure 1: NiPoGi Essennx E2 Mini PC in various application environments.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.

- NiPoGi Essennx E2 Mini PC
- Power Adapter (EU Plug)

- HDMI Cable
- VESA Mount Bracket
- User Manual (this document)

3. PRODUCT OVERVIEW

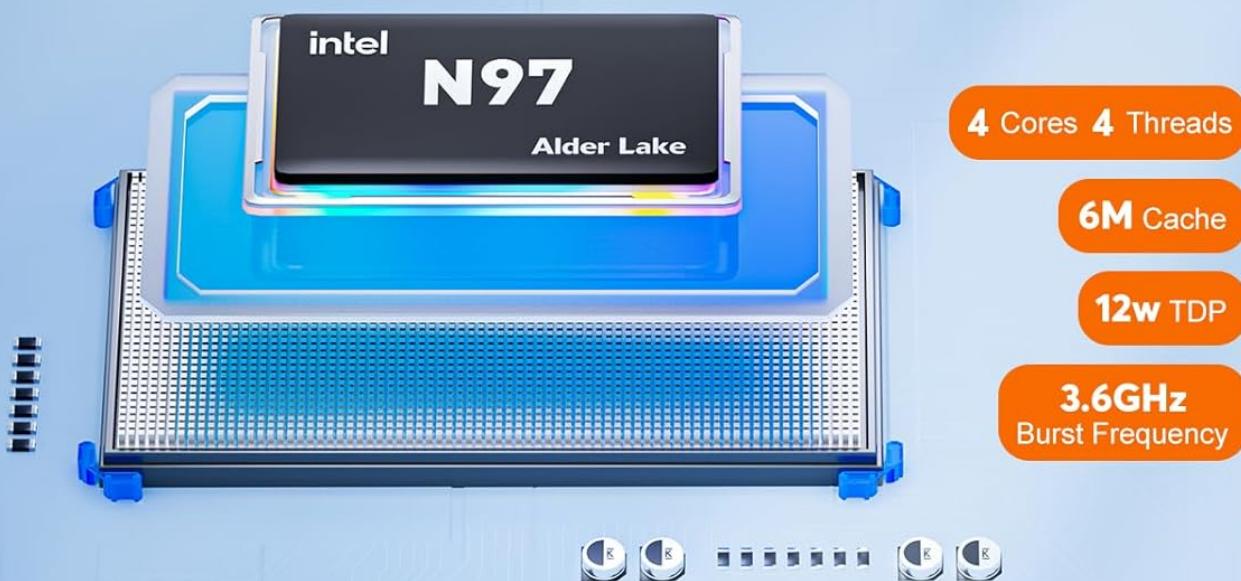
The NiPoGi Essenx E2 Mini PC features a compact design with an elegant silver finish. Its small footprint (approximately 10 x 10 x 3.6 cm) allows for versatile placement. The device is equipped with an Intel Alder Lake N97 processor, 16GB DDR4 RAM, and a 1TB M.2 SSD, providing efficient performance for daily tasks.

3.1 Key Features

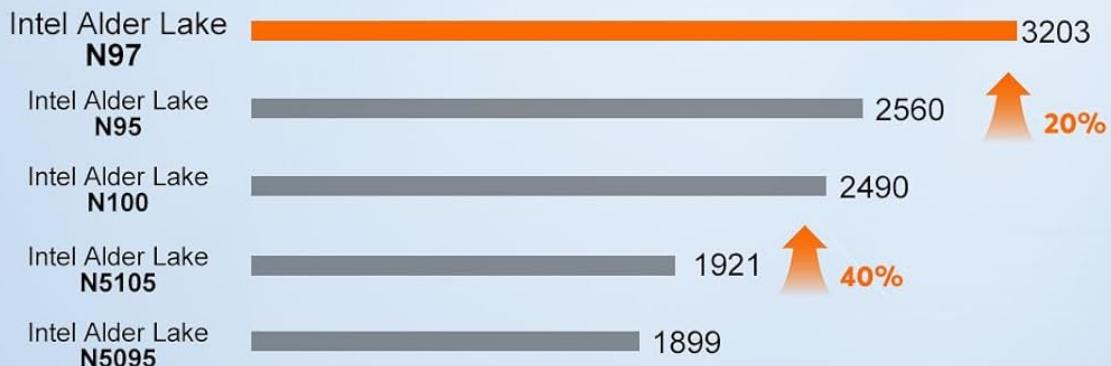
- **Processor:** Intel Alder Lake N97 (4 Cores, 4 Threads, 6MB Cache, up to 3.6GHz Burst Frequency)
- **Memory:** 16GB DDR4 RAM
- **Storage:** 1TB M.2 SSD
- **Graphics:** Intel UHD Graphics, supporting 4K@60Hz Dual Display via HDMI 2.0 and DisplayPort
- **Connectivity:** Dual-band WiFi 5 (802.11ac), Bluetooth 4.2, Gigabit Ethernet
- **Operating System:** Pre-installed Windows 11 Pro (64-bit)
- **Additional Functions:** Auto Power On, Wake On LAN, RTC Wake, VESA mount compatibility

Small but Powerful

Intel Alder Lake - N97



PCMARK 10 PERFORMANCE CONTRAST



Testing may vary due to environmental changes

Figure 2: Intel Alder Lake N97 Processor Overview and Performance Comparison.

3.2 Ports and Connectors

The NiPoGi Essenx E2 Mini PC provides a comprehensive set of ports for various peripherals and displays.

- 2 x USB 3.2 Ports
- 2 x USB 2.0 Ports
- 1 x HDMI 2.0 Port
- 1 x DisplayPort (DP)

- 1 x RJ45 Gigabit Ethernet Port
- 1 x 3.5mm Audio Jack (Headphone/Microphone Combo)
- 1 x DC Power Input

Expand Infinite Possibilities

Rich interfaces, compatible with various devices



Figure 3: Detailed view of NiPoGi Essennx E2 Mini PC ports and connectors.

3.3 Cooling System

The E2 Mini PC incorporates a built-in cooling fan designed for efficient heat dissipation, ensuring stable and quiet operation even under load. The system is engineered to maintain low noise levels during typical use.

Wide Applicability



Figure 4: Internal cooling system for efficient heat dissipation.

4. SETUP INSTRUCTIONS

Follow these steps to set up your NiPoGi Essenx E2 Mini PC for the first time.

4.1 Connecting Peripherals

1. **Connect Display:** Use the provided HDMI cable or a DisplayPort cable to connect your monitor or TV to the Mini

PC's HDMI or DP port. The Mini PC supports dual 4K displays.

2. **Connect Keyboard and Mouse:** Plug your USB keyboard and mouse into the available USB ports on the Mini PC.
3. **Connect Network (Optional):** For a wired internet connection, connect an Ethernet cable from your router to the RJ45 port on the Mini PC.
4. **Connect Power:** Plug the power adapter into the DC power input port on the Mini PC, then plug the adapter into a power outlet.



Figure 5: NiPoGi Essenx E2 Mini PC connected to dual 4K displays.

4.2 Initial Boot and Windows Setup

1. Press the power button on the Mini PC to turn it on.
2. Upon the first boot, the system will guide you through the Windows 11 Pro setup process. Follow the on-screen instructions to select your language, region, and create a user account.
3. Once the setup is complete, you will reach the Windows desktop.

4.3 VESA Mount Installation (Optional)

The included VESA mount allows you to attach the Mini PC to the back of a compatible monitor or TV, saving desk space.

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

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

- **To Power On:** Press the power button located on the front of the Mini PC.
- **To Power Off:** Click the Start button in Windows, then select Power > Shut down. Alternatively, press and hold the power button for 5 seconds to force a shutdown (not recommended for regular use).

5.2 Network Connectivity

- **Wi-Fi:** The Mini PC supports dual-band WiFi 5 (802.11ac). To connect, click the Wi-Fi icon in the Windows taskbar, select your network, enter the password, and click Connect.
- **Ethernet:** If an Ethernet cable is connected, the Mini PC will automatically establish a wired network connection.

5.3 Bluetooth Devices

The Mini PC includes Bluetooth 4.2 for connecting wireless peripherals.

1. Go to Windows Settings > Bluetooth & devices.
2. Ensure Bluetooth is turned On.
3. Click "Add device" and select "Bluetooth".
4. Select your Bluetooth device from the list and follow the pairing instructions.

5.4 Auto Power On Feature

To enable automatic power-on after a power outage:

1. Restart the Mini PC. During startup, repeatedly press the **ESC** key immediately after powering on to enter the BIOS interface.
2. Navigate to the "Boot" or "Power Management" section.
3. Locate and enable the "Automatic Power On" or "Restore AC Power Loss" option.
4. Save changes and exit BIOS.

6. MAINTENANCE

6.1 Cleaning

Regularly clean the exterior of the Mini PC with a soft, dry cloth. Avoid using liquid cleaners or aerosols directly on the device. Ensure ventilation openings are free from dust to maintain optimal cooling.

Expandable Storage Space



16GB DDR4 SO-DIMM Slot



1024GB M.2 SSD

Support M.2 NVMe PCIe3.0 SSD/M.2 SATA SSD
(up to 2TB)

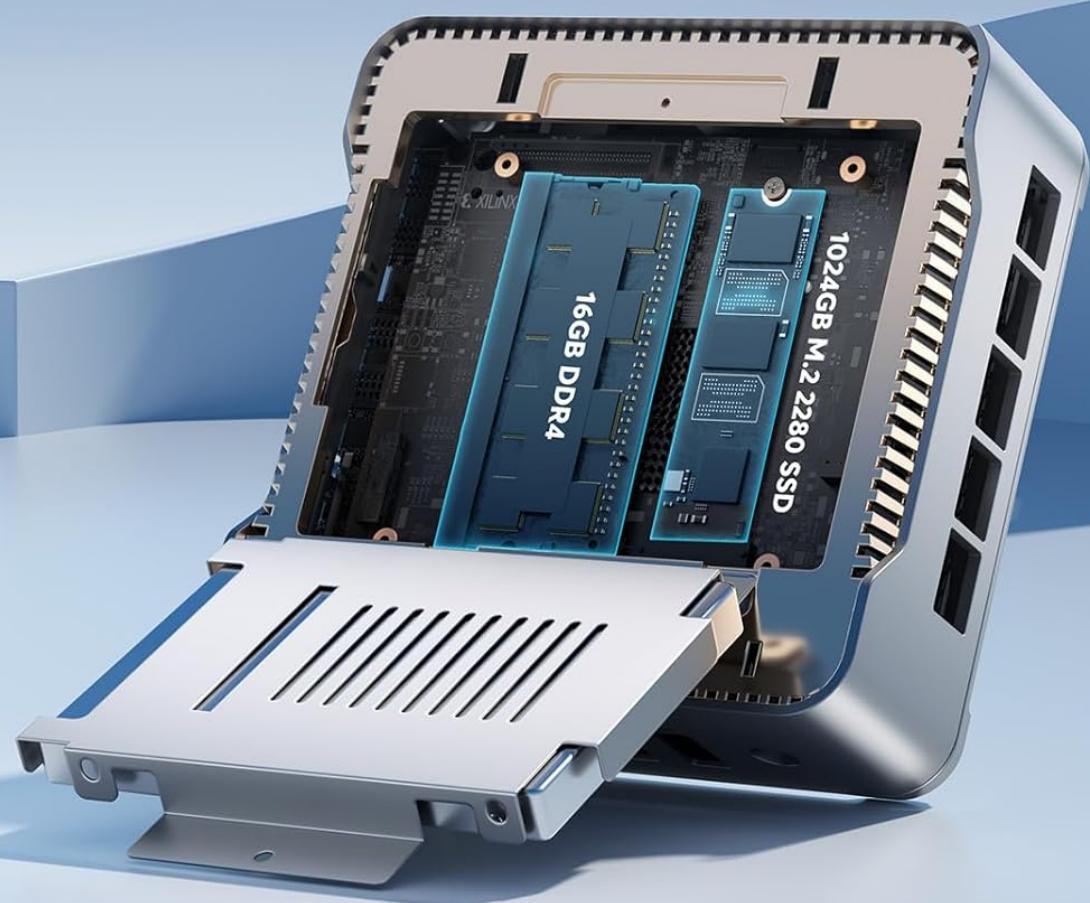


Figure 6: Internal view showing expandable storage options.

6.2 Software Updates

Keep your Windows 11 Pro operating system and drivers updated to ensure optimal performance and security. Access Windows Update via Settings > Windows Update.

6.3 Storage Expansion

The NiPoGi Essenx E2 supports storage expansion. You can upgrade the M.2 SSD up to 2TB. Refer to the detailed instructions for opening the chassis and installing a new M.2 SSD.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your Mini PC.

Problem	Possible Cause	Solution
No power	Power adapter not connected or faulty. Power outlet issue.	Ensure the power adapter is securely connected to the Mini PC and a working power outlet. Try a different outlet.
No display on monitor	Display cable loose or incorrect input selected on monitor.	Check HDMI/DP cable connections. Ensure your monitor is set to the correct input source (HDMI/DP). Try a different cable or monitor.
No internet connection (Wi-Fi)	Incorrect Wi-Fi password. Router issue. Wi-Fi adapter disabled.	Verify Wi-Fi password. Restart your router. Check Wi-Fi settings in Windows to ensure the adapter is enabled.
Slow performance	Too many applications running. Outdated drivers. System overloaded.	Close unnecessary applications. Update Windows and drivers. Check Task Manager for resource-intensive processes.
Cannot enter BIOS	Incorrect key pressed during startup.	Restart the Mini PC and repeatedly press the ESC key immediately after powering on.

8. SPECIFICATIONS

Detailed technical specifications for the NiPoGi Essenx E2 Mini PC.

Feature	Detail
Brand	NiPoGi
Model	E2
Processor	Intel Alder Lake N97 (4 Cores, 4 Threads)
Processor Speed	Up to 3.6 GHz (Burst Frequency)
Processor Cache	6 MB
Graphics Coprocessor	Intel UHD Graphics
RAM Capacity	16 GB DDR4
Storage Capacity	1 TB M.2 SSD (Expandable up to 2TB)
Operating System	Windows 11 Pro (64-bit)
Wireless Connectivity	WiFi 5 (802.11ac), Bluetooth 4.2
Video Output	1 x HDMI 2.0, 1 x DisplayPort (DP)
Max Resolution	4096 x 2304 (4K@60Hz Dual Display)
USB Ports	2 x USB 3.2, 2 x USB 2.0

Feature	Detail
Ethernet Port	1 x RJ45 Gigabit Ethernet
Audio Port	1 x 3.5mm Headphone/Microphone Combo Jack
Dimensions	Approx. 10 x 10 x 3.6 cm
Weight	Approx. 780 g

9. WARRANTY AND SUPPORT

The NiPoGi Essenx E2 Mini PC comes with a 1-year quality customer service warranty. For technical assistance, troubleshooting not covered in this manual, or warranty claims, please contact NiPoGi customer support. Professional customer service is available 24/7.

Please refer to the contact information provided with your purchase or visit the official NiPoGi website for support details.

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