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NiPoGi AK1PLUS

NiPoGi AK1PLUS Mini PC User Manual

Model: AK1PLUS - Intel Alder Lake N95, 8GB RAM, 256GB SSD

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your NiPoGi AK1PLUS Mini PC. Please read this manual thoroughly before using the device to ensure optimal performance and longevity.



Image 1.1: The NiPoGi AK1PLUS Mini PC, demonstrating its compact form factor.

Key Features:

- **Processor:** Intel Alder Lake N95 (up to 3.4GHz, 4 Cores, 4 Threads, 6MB L3 Cache)

- **Memory:** 8GB DDR4 RAM
- **Storage:** 256GB M.2 SSD, expandable with 2.5-inch SSD/HDD
- **Graphics:** Intel UHD Graphics, supporting 4K@60Hz Dual Display
- **Connectivity:** Dual-band WiFi (2.4G/5G), Bluetooth 4.2, Gigabit Ethernet (RJ45)
- **Ports:** 2x HDMI, 2x USB 3.0, 2x USB 2.0, 1x RJ45, 1x DC Power, 1x 3.5mm Audio Jack
- **Special Functions:** Auto Power On, Wake On LAN

2. PACKAGE CONTENTS

Please check the package for the following items:

- NiPoGi AK1PLUS Mini PC
- Power Adapter
- HDMI Cable
- VESA Mount with Screws
- User Manual

If any items are missing or damaged, please contact customer support immediately.

3. SETUP GUIDE

3.1 Connecting Peripherals

Before powering on your Mini PC, connect all necessary peripherals.

1. **Connect Display:** Use an HDMI cable to connect your monitor(s) to the HDMI ports on the Mini PC. The device supports up to two 4K@60Hz displays simultaneously.
2. **Connect Keyboard and Mouse:** Plug your USB keyboard and mouse into the available USB ports. Alternatively, connect Bluetooth peripherals after initial setup.
3. **Connect Network (Optional):** For a wired internet connection, connect an Ethernet cable from your router to the RJ45 Gigabit Ethernet port. For wireless connectivity, WiFi will be available after initial setup.
4. **Connect Audio (Optional):** If using external speakers or headphones, connect them to the 3.5mm audio jack.

Various Ports Meet Daily Needs



Image 3.1: Overview of the Mini PC's ports for daily needs.

3.2 Powering On

1. Connect the power adapter to the DC power port on the Mini PC.
2. Plug the power adapter into a wall outlet.
3. Press the power button located on the Mini PC. The power indicator light will illuminate, and the system will begin to boot.

4. OPERATING INSTRUCTIONS

4.1 Basic Operation

The NiPoGi AK1PLUS Mini PC comes with a pre-installed operating system, ready for use. Upon first boot, you may need to complete the initial setup process for the operating system, including language, region, and user account creation.



Image 4.1: The Mini PC efficiently handles office software, home theater, and entertainment applications.

4.2 Dual Display Setup

The Mini PC supports connecting two monitors simultaneously for enhanced productivity.

1. Connect both monitors to the two HDMI ports on the Mini PC using HDMI cables.

2. Once the system boots, the operating system should automatically detect both displays.
3. To configure display settings (e.g., extend, duplicate, resolution), navigate to your operating system's display settings.



Transmission stability, high-resolution image Reduce waiting time and double efficiency

Image 4.2: Dual screen functionality for 4K resolution at 60Hz.

4.3 Network Connectivity

The Mini PC offers versatile network options:

- **Wi-Fi:** The device supports dual-band Wi-Fi (2.4G and 5G) for flexible wireless internet access. Connect to your preferred network through the operating system's network settings.

- **Ethernet:** For a stable and high-speed wired connection, use the Gigabit Ethernet port.
- **Bluetooth:** Bluetooth 4.2 allows you to connect wireless peripherals such as keyboards, mice, and headphones. Pair devices through the operating system's Bluetooth settings.



Image 4.3: Strong network support for various environments.

4.4 Performance Overview

Equipped with the Intel Alder Lake N95 processor, the NiPoGi AK1PLUS delivers improved performance for daily computing tasks, making it suitable for various applications.



Image 4.4: Processor performance comparison, showcasing the Alder Lake N95's capabilities.

4.5 Usage Scenarios

The NiPoGi AK1PLUS Mini PC is designed for a wide range of applications:

- Office tasks and productivity
- Educational purposes
- Home theater and multimedia consumption
- Light gaming and entertainment
- Live streaming and content creation
- Digital signage and monitoring equipment

AK1PLUS

Your Next Mini Computer



Image 4.5: Versatile applications of the AK1PLUS Mini PC.

5. MAINTENANCE AND STORAGE EXPANSION

5.1 Storage Expansion

The NiPoGi AK1PLUS Mini PC allows for storage expansion to meet your growing needs. You can add a 2.5-inch SATA SSD/HDD or replace the existing M.2 SSD.

- 1. Power Off:** Ensure the Mini PC is completely powered off and disconnected from the power source before proceeding.

2. **Access Storage Bay:** Carefully open the bottom cover of the Mini PC to access the storage bay. Refer to the product's physical design for specific opening instructions.
3. **Install 2.5-inch Drive:** If adding a 2.5-inch SATA SSD/HDD, secure it into the designated slot and connect the SATA data and power cables.
4. **Install/Replace M.2 SSD:** If replacing the M.2 SSD, gently remove the existing one and insert the new M.2 2280 NGFF SSD into the slot, securing it with the screw.
5. **Close Cover:** Reattach the bottom cover securely.
6. **Initialize Drive:** After booting the system, the new drive may need to be initialized and formatted through Disk Management (Windows) or Disk Utility (Linux) before it can be used.

Note: 2.5-inch SSD/HDD is not included. Please ensure compatibility when purchasing additional storage.

What makes AK1PLUS Special

Don't let memory limit your imagination



Please note: 2.5-inch SSD/HDD not included

Image 5.1: Illustration of adding a 2.5-inch SATA SSD for expanded storage.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your NiPoGi AK1PLUS Mini PC.

6.1 No Power / System Not Booting

- Ensure the power adapter is securely connected to both the Mini PC and a working power outlet.
- Verify the power outlet is functional by plugging in another device.
- Press the power button firmly.

6.2 No Display Output

- Check that the HDMI cable(s) are securely connected to both the Mini PC and the monitor(s).
- Ensure the monitor is powered on and set to the correct input source (HDMI 1, HDMI 2, etc.).
- Try using a different HDMI cable or monitor to rule out faulty equipment.

6.3 Wi-Fi / Bluetooth Connectivity Issues

- Ensure Wi-Fi and Bluetooth are enabled in your operating system settings.
- Restart your router/modem.
- Move the Mini PC closer to the Wi-Fi router or Bluetooth device to improve signal strength.
- Update network adapter drivers if available.

6.4 System Slowdown / Performance Issues

- Close unnecessary applications running in the background.
- Ensure your operating system and drivers are up to date.
- Check for malware or viruses.
- Consider expanding storage if your current drive is nearly full.

If you encounter issues not covered here, please refer to the support section for further assistance.

7. SPECIFICATIONS

Feature	Detail
Brand	NiPoGi
Item Model Number	AK1PLUS
Series	AK1PLUS N95 8+256GB
Color	Black
Operating System	OS
Hardware Platform	OS
Processor Brand	Intel
Processor Type	Celeron N (Alder Lake N95)
Processor Speed	3.4 GHz
Number of Cores	4
RAM	8 GB
Maximum Memory	8 GB
Hard Drive Size	256 GB

Feature	Detail
Hard Drive Technology	SSD
Hard Drive Interface	Serial ATA-300
Screen Resolution	4096 x 2160
Graphics Chipset Brand	Intel
Graphics Card Description	Integrated
GPU	Intel UHD Graphics 4K UHD Triple Display
Graphics Card RAM Type	DDR4 SDRAM
Processor Socket	FCBGA1264
Power Supply Type	DC
Connectivity Type	Wi-Fi
Wireless Technology Type	802.11a/b/g/n/ac
Hardware Interface	802.11 b/g/n, Audio 3.5 mm, Bluetooth, USB 3.2 Gen 2x2
Number of HDMI Ports	2
Number of USB 2.0 Ports	2
Number of USB 3.0 Ports	2
Number of Ethernet Ports	1
Connector Type	Ethernet, WiFi Built-in, Bluetooth, USB, Wireless
Device Compatibility	Keyboard, Speakers, Projector, Mouse, Television, Webcam, Digital Signage, Displays, Monitoring Equipment, Servers
Item Dimensions L x W x H	13 x 13 x 5.2 centimeters
Product Weight	390 Grams
Special Features	Auto Power On, Wake On LAN

8. WARRANTY AND SUPPORT

8.1 Warranty Information

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

8.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact NiPoGi customer support through the following channels:

- **Amazon Support:** Log in to your Amazon account, go to 'Your Orders', and select 'Ask a Product Question' for your NiPoGi Mini PC.
- **Email:** support@inipogi.com
- **Phone (Europe):** +49 800 182 1386 (Monday-Friday, 9 AM - 5 PM EST)



Image 8.1: NiPoGi customer support is available to assist you.