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› NiPoGi AK1Plus Mini PC User Manual

## NiPoGi AK1PLUS

# NiPoGi AK1Plus Mini PC User Manual

Model: AK1PLUS

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## 1. INTRODUCTION

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Thank you for choosing the NiPoGi AK1Plus Mini PC. This compact and powerful computer is designed for a variety of tasks, from office work and home entertainment to educational and industrial applications. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your device.



Image 1.1: The NiPoGi AK1Plus Mini PC, showcasing its compact design and illuminated accents.

# Great Office Partner



Net Weight: 0.84 lb



Image 1.2: Diagram illustrating the compact dimensions of the NiPoGi AK1Plus Mini PC, measuring 5.04 x 5.04 x 2.05 inches.

## 2. KEY FEATURES

- **Latest Intel Alder Lake-N95 Processor:** Equipped with the 12th generation Intel Alder Lake-N95 processor (up to 3.4 GHz, 4C/4T, 6 MB L3 cache, 15W TDP) for enhanced performance.
- **Dual 4K 60Hz Monitor Support:** Features 2 HDMI ports supporting 4096x2160 resolution at 60 Hz for efficient multitasking across two displays.
- **Fast and Easy Connectivity:** Includes dual-band 2.4G + 5G WiFi, 1000 Mbps Gigabit Ethernet, and Bluetooth 4.2 for versatile network and peripheral connections.
- **Expandable Storage:** Comes with 8GB DDR4 RAM and a 256GB M.2 SSD, with support for adding a 2.5-inch SSD/HDD up to 2TB.
- **Compact and Portable:** Small footprint (5.04"x5.04"x2.05", 391g) with VESA mount support for a tidy setup.
- **Power Management:** Supports RTC Wake and Auto Power On functionalities.

**4 Cores**  
ALD\_N

**4 Threads**  
6MB Smart Cache

**3.4 Ghz**  
6MB Smart Cache

**16Eus**  
UHD Graphics

**New Upgraded**

**SIZE**  
5.04 x 5.04 x 2.05 inch

**AK1 PLUS**

**8GB**  
DDR4  
3200Mhz

**2.4G + 5G**  
Bluetooth 4.2/LAN  
(1000M)

**SSD**  
SATA MAX 2TB  
M.2 SSD 256GB  
(can be replaced)

**Additional Function**

1. Auto Power On
2. Wake On LAN

Image 2.1: Overview of the AK1Plus Mini PC's key specifications and features, including processor details, graphics, memory, storage, and connectivity.

### 3. SETUP GUIDE

#### 3.1. What's in the Box

- NiPoGi AK1Plus Mini PC
- Power Adapter
- HDMI Cable
- VESA Mount Bracket and Screws
- User Manual

### 3.2. 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 back of the Mini PC.
2. **Connect Keyboard and Mouse:** Plug your USB keyboard and mouse into the available USB ports. For wireless Bluetooth devices, you will pair them after the initial setup.
3. **Connect Network (Optional):** For a wired connection, plug an Ethernet cable into the RJ45 LAN port. For Wi-Fi, you will configure it during the operating system setup.
4. **Connect Power:** Plug the power adapter into the DC port on the Mini PC, then connect it to a power outlet.



Image 3.1: The various ports available on the NiPoGi AK1Plus Mini PC, designed to meet daily connectivity needs.

## Connessione dei Dispositivi Multiple



Image 3.2: Illustration of how to connect various peripherals and devices to the Mini PC for office, home, and entertainment use.

### 3.3. Powering On

Press the power button located on the front or side of the Mini PC. The device will boot up, and you will see the operating system's initial setup screen (if applicable) or desktop.

## 4. OPERATING INSTRUCTIONS

### 4.1. Basic Operation

The NiPoGi AK1Plus Mini PC runs on a standard operating system (e.g., Windows). Operate it as you would any desktop computer, using your connected keyboard, mouse, and monitor.

# Starts Fast, Works Fast

Compatible with speed and storage, no worries about the delay



**8GB DDR4**

Reading speed up to  
1900MB/S

**256GB M.2 SSD**

Reading Speed: 473.4MB/S  
Writing Speed: 287.2MB/S

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

## 4.2. Dual Monitor Setup

The AK1Plus supports connecting two monitors simultaneously for an extended desktop experience.

1. Connect both monitors to the two HDMI ports on the Mini PC.
2. Once both monitors are connected and powered on, the operating system should automatically detect them.
3. Adjust display settings (resolution, orientation, extension/duplication) through your operating system's display settings.

# Dual Screen-Enjoy 4K resolution at 60Hz



Image 4.2: Enjoy a dual-screen setup with 4K resolution at 60Hz, enhancing productivity and visual experience.

# Home Theater Personal Computer



2 x HDMI Port (4096 x 2304@60Hz)

Image 4.3: The Mini PC functions as a Home Theater Personal Computer, supporting dual HDMI output for high-resolution media.

## 4.3. Network Connectivity

Your Mini PC offers both wired and wireless network options.

- **Wi-Fi:** During the operating system setup, you will be prompted to connect to a Wi-Fi network. You can also manage Wi-Fi connections through the network settings. The device supports dual-band 2.4G and 5G Wi-Fi.
- **Ethernet:** For a stable and fast wired connection, plug an Ethernet cable into the RJ45 LAN port. The device supports Gigabit Ethernet (1000 Mbps).
- **Bluetooth:** Enable Bluetooth in your operating system settings to pair wireless devices like keyboards, mice, and headphones. The device supports Bluetooth 4.2.



Image 4.4: The Mini PC provides strong network support with dual-band Wi-Fi, Bluetooth 4.2, and Gigabit Ethernet for reduced network delays.

## 5. STORAGE AND PERFORMANCE

### 5.1. Performance Overview

The NiPoGi AK1Plus is powered by the Intel Alder Lake-N95 processor, offering robust performance for daily computing tasks. Its 8GB DDR4 RAM and 256GB M.2 SSD ensure quick boot times and responsive application handling.



Image 5.1: The powerful processing capacity of the Intel 12th Generation N95 processor, with performance comparisons.

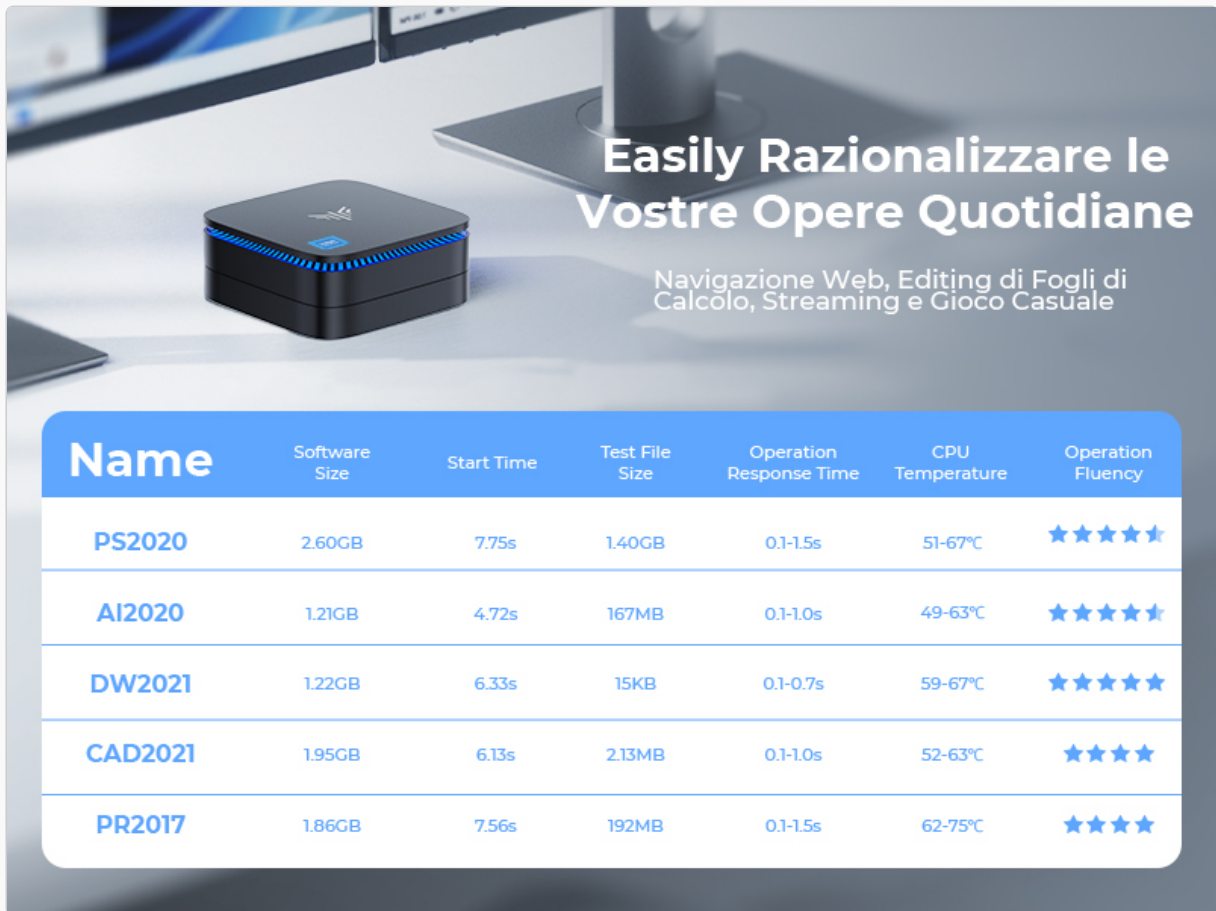


Image 5.2: Performance metrics demonstrating the Mini PC's capability for daily tasks like web browsing, spreadsheet editing, streaming, and casual gaming.

## 5.2. Storage Expansion

The Mini PC allows for additional storage by installing a 2.5-inch SSD or HDD.

## Do More, Store More

2.Supports SSD da 2,5 Pollici Fino a 2 TB

### 8GB DDR4

(Saldato Alla Scheda Madre)

### 256GB M.2 2280 SSD

(Può Essere Sostituito, MAX 2TB)



Image 5.3: The Mini PC's internal layout, showing the integrated RAM and M.2 SSD, with space for a 2.5-inch drive.

1. **Step 1:** Unscrew the four screws on the bottom cover of the Mini PC using a screwdriver.
2. **Step 2:** Gently remove the bottom cover. Install your 2.5-inch SSD or HDD into the designated slot.
3. **Step 3:** Secure the drive and replace the bottom cover, then tighten the screws.



### STEP 1

Svitare Quattro Viti con un Cacciavite



### STEP 2

Aggiungere un SSD o un HDD da 2,5 Pollici



### STEP 3

Enjoy Upgrade Mini PC N95



Image 5.4: Step-by-step instructions for adding a 2.5-inch SSD or HDD to expand the Mini PC's storage.

## 5.3. Data Transfer Speed

The Mini PC features USB 3.0 ports for faster data transfer compared to USB 2.0.



Image 5.5: Illustration of file transfer speeds, highlighting USB 3.0's significantly faster performance.

## 6. MAINTENANCE

### 6.1. Cooling System

The Mini PC is equipped with a low-noise fan designed for efficient heat dissipation, ensuring stable performance during operation.



Image 6.1: The efficient heat dissipation system with a low-noise fan, maintaining optimal operating temperatures.

### 6.2. General Care

- Keep the device in a clean, dry environment, away from direct sunlight and extreme temperatures.
- Ensure proper ventilation by not blocking the air vents.
- Clean the exterior with a soft, dry cloth. Avoid using liquid cleaners.

## 7. TROUBLESHOOTING

If you encounter issues with your NiPoGi AK1Plus Mini PC, 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. Try a different outlet if necessary.
- **No Display:** Check that the HDMI cable(s) are firmly connected to both the Mini PC and the monitor(s). Verify that the monitor is set to the correct input source.
- **No Internet Connection:** For Wi-Fi, check your network settings and ensure you are connected to the correct network with the right password. For Ethernet, ensure the cable is properly connected and your router is functioning.
- **Peripherals Not Working:** Try connecting USB devices to different USB ports. For Bluetooth devices, ensure Bluetooth is enabled and the device is properly paired.
- **Slow Performance:** Close unnecessary applications. Check for available operating system updates. Ensure there is sufficient free storage space.

If these steps do not resolve your issue, please contact customer support.

## 8. PRODUCT SPECIFICATIONS

Feature	Specification
Brand	NiPoGi
Manufacturer	NiPoGi
Series	AK1(J3455+8+128)
Color	Black Mini Compact PC Windows 10 Pro 128GB
Product Dimensions	13.5 x 13.5 x 4.5 cm
Item Model Number	AK1PLUS
Item Weight	390 g
Form Factor	Mini PC OS (64 Bits) 128gb
Screen Size	51 Inches (Refers to supported display size)
Resolution	3840x2160
Processor Brand	Intel
Processor Type	Intel Celeron
Processor Speed	2.3 GHz (Base)
Processor Details	Alder Lake-N95 4 cores up to 3.4 GHz, 15W TDP
Number of Processors	4
RAM Size	8 GB
Memory Technology	DDR4

Feature	Specification
Computer Memory Type	DDR4 SDRAM
Maximum Supported Memory	8 GB (Integrated)
Memory Clock Speed	2666 GHz (Likely 2666 MHz)
Hard Disk Size	128 GB (Internal)
Hard Disk Description	SSD
Hard Disk Interface	Serial ATA-300 (for 2.5" expansion)
Graphics Coprocessor	Intel UHD Graphics 600
Graphics Chipset Brand	Intel
Graphics Card Description	Integrated
Graphics Card Memory Type	DDR4 SDRAM
Graphics Card Interface	Integrated
Connectivity Type	Wi-Fi
Wireless Type	802.11a/b/g/n/ac (Dual Band 2.4G+5G)
Number of USB 2.0 Ports	2
Number of USB 3.0 Ports	2
Number of HDMI Ports	2
Voltage	230 Volt
Optical Drive Type	None
Hardware Platform	PC
Operating System	OS (Typically Windows 11 Home)
Batteries Included	No
Specific Uses for Product	Business, Multimedia, Personal, HTPC, Travel, Education, Home Office
Personal Computer Design Type	Mini PC

## 9. WARRANTY AND SUPPORT

NiPoGi provides comprehensive support for its products. For any issues or inquiries, please refer to the following contact information:

- **Email Support:** [support@inipogi.com](mailto:support@inipogi.com)
- **Phone Support:** +44 808 175 2348 (Monday-Friday 9am-5pm EST)
- **Amazon Order Support:** Log in to your Amazon account, navigate to "Your Orders," and select "Ask

Product Question" for your purchase.

- **Europe Maintenance Service:** NiPoGi provides maintenance points for exchange or repair during the warranty period.



Image 9.1: NiPoGi's support channels for customer assistance and warranty services.