

NiPoGi AK2PLUS Mini PC

NiPoGi AK2 Plus Mini PC User Manual

Model: AK2PLUS Mini PC | Brand: NiPoGi

1. INTRODUCTION

The NiPoGi AK2 Plus Mini PC is a compact and powerful computer designed for a wide range of applications, from light office work and business meetings to home entertainment and professional tasks like photo and video editing. Equipped with a 12th Gen Intel Alder Lake-N100 processor, 16GB DDR4 RAM, and a 1TB M.2 SSD, it offers efficient performance in a small form factor.

Key features include:

- Powerful 12th Gen Intel Alder Lake-N100 Processor (up to 3.4 GHz)
- 16GB DDR4 RAM and 1TB M.2 SSD for ample storage and smooth multitasking
- Dual HDMI 2.0 ports supporting 4K UHD dual display output
- Multiple connectivity options: Gigabit Ethernet, Dual-band WiFi 5 (2.4G+5.0G), Bluetooth 4.2
- Pre-installed OS, with support for Linux and Ubuntu
- Compact design with VESA mount capability for space-saving installation

2. WHAT'S IN THE BOX

Upon opening your NiPoGi AK2 Plus Mini PC package, you should find the following items:

- 1 x NiPoGi AK2 Plus Mini PC
- 1 x Power Adapter (EU Plug)
- 1 x HDMI Cable
- 1 x VESA Mount
- 1 x User Manual

More Ports, More Flexible



Image: All components included in the NiPoGi AK2 Plus Mini PC package.

3. PRODUCT OVERVIEW AND PORTS

Familiarize yourself with the various ports and features of your NiPoGi AK2 Plus Mini PC to ensure proper connectivity and operation.

Strong Wireless Connection



WiFi 5
IEEE 802.11 ac



Bluetooth 4.2



Image: Detailed view of the NiPoGi AK2 Plus Mini PC's 5 ports and their functions.

Port Descriptions:

- **Power Button:** Turns the device on or off.
- **Indicator Light:** Shows the power status of the device.
- **USB 3.0 Ports (x2):** For high-speed data transfer with compatible devices.
- **USB 2.0 Ports (x2):** For connecting peripherals like keyboards, mice, or other USB devices.
- **HDMI 2.0 Ports (x2):** Connect to displays for 4K UHD video output. Supports dual display setup.
- **RJ45 Ethernet Port:** For wired network connection (Gigabit Ethernet).
- **MIC Input:** For connecting a microphone.

- **DC Input:** Connect the provided power adapter here.

4. SETUP INSTRUCTIONS

Follow these steps to set up your NiPoGi AK2 Plus Mini PC for the first time:

1. **Connect to Display:** Connect your monitor(s) to the Mini PC using the HDMI cables. The device supports dual 4K UHD displays.
2. **Connect Peripherals:** Plug in your USB keyboard, mouse, and any other necessary peripherals into the available USB ports.
3. **Connect Power:** Connect the power adapter to the DC input port on the Mini PC, then plug the adapter into a power outlet.
4. **Power On:** Press the power button on the Mini PC. The indicator light will illuminate.
5. **Initial OS Setup:** The Mini PC comes with an OS pre-installed. During the initial setup, it is recommended to **not connect to a network or Wi-Fi** until the OS system is fully loaded. You can skip any email or account setup steps during this phase. If you encounter issues with OS loading after connecting to Wi-Fi, try disconnecting the network (wired or wireless) and restarting the device.
6. **Network Connection:** Once the OS is fully loaded, you can connect to the internet via the RJ45 Ethernet port or by configuring Wi-Fi settings in the operating system.

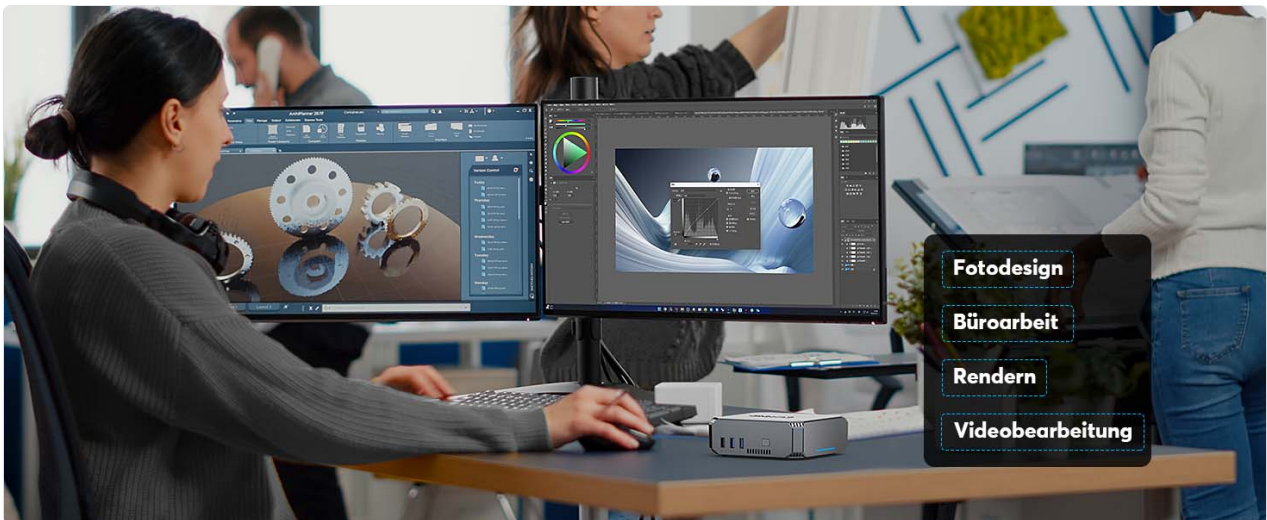


Image: Various setup options for the NiPoGi AK2 Plus Mini PC, including desktop, all-in-one, and wall-mounted configurations.

5. OPERATING INSTRUCTIONS

Power On/Off:

- **To Power On:** Press the power button on the front of the Mini PC.
- **To Power Off:** Use the shutdown option within your operating system. Alternatively, press and hold the power button for a few seconds for a forced shutdown (not recommended for regular use).

Dual Display Setup:

The NiPoGi AK2 Plus Mini PC supports dual display output via its two HDMI 2.0 ports. You can configure these displays in two modes:

- **Mirror Mode:** Displays the same content on both screens.
- **Extended Mode:** Extends your desktop across both screens, allowing for more workspace and improved productivity.

Configuration for dual displays is typically done through your operating system's display settings.



Image: NiPoGi AK2 Plus Mini PC supporting dual 4K UHD displays.

Connectivity:

- **Wi-Fi:** The Mini PC features built-in dual-band Wi-Fi 5 (802.11ac) for wireless internet access. Connect via your operating system's network settings.
- **Bluetooth:** Bluetooth 4.2 allows you to connect wireless peripherals such as keyboards, mice, headphones, and speakers.
- **Ethernet:** For a stable and fast wired network connection, use the Gigabit Ethernet port.

AK2 PLUS

Meet Your Daily Needs

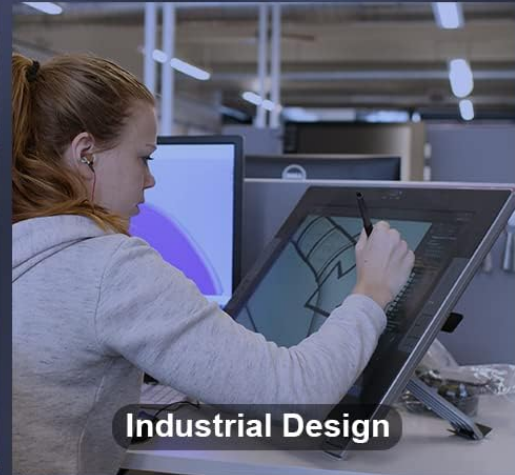


Image: Demonstrating the strong wireless connection capabilities of the Mini PC.

Supported Operating Systems and Features:

The NiPoGi AK2 Plus Mini PC comes with an OS pre-installed and also supports other operating systems like Linux and Ubuntu. It includes advanced features such as:

- **Auto Power On:** Configurable in BIOS to automatically power on after a power outage.
- **RTC Wake Settings:** Allows scheduling the Mini PC to wake up at a specific time.
- **Wake On LAN:** Enables waking up the Mini PC remotely over a network.



Image: The NiPoGi AK2 Plus Mini PC is suitable for a variety of daily needs and professional applications.

6. MAINTENANCE

Storage Expansion:

The NiPoGi AK2 Plus Mini PC comes with a 1TB M.2 SSD. For additional storage, you can:

- **Replace the M.2 SSD:** The existing M.2 SSD can be replaced with a larger one, up to 2TB.
- **Add a 2.5-inch Drive:** You can add a 2.5-inch SATA SSD or HDD (not included) up to 2TB for expanded storage capacity. This is ideal for storing large files, media, or backups.

More Flexibility, More Possibilities

Upgrade Memory Storage In One Minute



Max up to 2TB

M.2 2280 NVMe/SATA SSD



Max up to 2TB

2.5 inch SSD/HDD



Image: Storage upgrade options for the NiPoGi AK2 Plus Mini PC.

Cooling:

The Mini PC features a built-in fan cooling system to prevent overheating during multitasking and extended use. Ensure proper airflow around the device by placing it in a well-ventilated area and avoiding obstruction of the vents.

7. TROUBLESHOOTING

If you encounter issues with your NiPoGi AK2 Plus Mini PC, refer to the following common troubleshooting tips:

- **OS Not Loading / Initial Setup Issues:**

If the OS does not load correctly during the first setup, especially if you connected to a network:

1. Do not connect to a network or Wi-Fi until the OS system of your Mini PC is running.
2. You do not need to fill in the mailbox information; skip this step to use the device normally.
3. If you are using a wired network connection, disconnect it directly, restart the device, and keep it disconnected from the network.
4. If you connected via Wi-Fi and the OS cannot load, please turn off the router you are using.

- **No Display Output:**

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

- **No Power:**

1. Check that the power adapter is securely connected to the Mini PC and the power outlet.
2. Ensure the power outlet is functional.

- **Slow Performance:**

1. Close unnecessary applications running in the background.
2. Ensure there is sufficient free space on your SSD.
3. Check for and install any available operating system updates.

- **Peripheral Not Detected:**

1. Ensure the peripheral is properly connected to the correct port.
2. Try connecting the peripheral to a different USB port.
3. Restart the Mini PC.

8. SPECIFICATIONS

Detailed technical specifications for the NiPoGi AK2 Plus Mini PC:

Feature	Specification
Brand	NiPoGi
Model/Series	AK2PLUS-16512
Product Dimensions	22 x 16.3 x 7.1 cm; 500 Grams
Model Number	AK2PLUS Mini PC
Color	16GB 1TB ROM / Intel Alder Lake-N100
Form Factor	Small Form Factor
Processor Brand	Intel
Processor Type	Celeron (Alder Lake-N100)
Processor Speed	3.4 GHz (Burst Frequency)
Processor Cores	4

Feature	Specification
RAM Size	16 GB
Memory Technology	DDR4
Memory Speed	3200 MHz (Max)
Hard Drive Size	1024 GB (1 TB)
Hard Drive Technology	SSD (M.2)
Graphics Coprocessor	Intel UHD Graphics 4K UHD Triple Display
Graphics Card Description	Integrated
Connectivity Type	Ethernet, WiFi Built-in, Bluetooth, USB, Wireless
WLAN Type	Bluetooth, 802.11 a/b/g/n/ac (Wi-Fi 5)
USB 2.0 Ports	2
USB 3.0 Ports	2
HDMI Ports	2
Ethernet Ports	1
Microphone Interfaces	1
Operating System	OS (Pre-installed), supports Linux
Item Weight	500 g

9. WARRANTY AND SUPPORT

NiPoGi is committed to providing high-quality products and excellent customer service. Your NiPoGi AK2 Plus Mini PC comes with the following:

- **12-Month Free Replacement:** In case of product defects or issues within 12 months of purchase.
- **Lifetime Technical Support:** Dedicated technical assistance for the lifespan of your product.
- **Safety Certifications:** Complies with CE and UKCA safety standards.

For any questions, technical assistance, or warranty claims, please do not hesitate to contact NiPoGi customer support. Refer to the contact information provided with your purchase or visit the official NiPoGi website for support details.

