

NiPoGi AM02PRO 5700U/16+512GB

NiPoGi Mini PC AM02PRO User Manual

Model: AM02PRO 5700U/16+512GB

1. INTRODUCTION

Thank you for choosing the NiPoGi Mini PC AM02PRO. This compact and powerful desktop computer is designed to meet a wide range of computing needs, from office productivity and business meetings to home entertainment and light gaming. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your new Mini PC. Please read it thoroughly before use.



Image: NiPoGi Mini PC AM02PRO, showcasing its compact design and various ports.

2. PRODUCT OVERVIEW

2.1 Key Features

- **Processor:** AMD Ryzen 7 5700U CPU (1.8-4.3GHz, 8C/16T, 8MB L3 cache) with Radeon RX Vega 8 Graphics (1900MHz).
- **Memory:** 16GB DDR4 RAM (expandable up to 64GB via dual SO-DIMM slots).

- **Storage:** 512GB M.2 NGFF SSD (expandable up to 2TB).
- **Display Output:** Dual 4K@60Hz displays via HDMI and DisplayPort.
- **Connectivity:** Gigabit Ethernet RJ-45 LAN, Wi-Fi 6 (802.11ax), Bluetooth 5.2.
- **Ports:** Multiple USB 3.0, USB-C, HDMI, DisplayPort, Mic, DC-in.
- **Operating System:** Pre-installed OS (Windows 11).
- **Additional Features:** Supports Auto Power On, PXT Boot, WOL, RTC Boot.

2.2 Ports and Connectors

The NiPoGi Mini PC AM02PRO features a comprehensive set of ports for versatile connectivity.



Comprehensive Interfaces Upgrade

Meet the strict requirements for Mini PC interfaces for equipment in many fields.

Image: Diagram illustrating the various input/output ports on the NiPoGi Mini PC, including HDMI, DisplayPort, USB 3.0, LAN, MIC, DC, and USB-C.

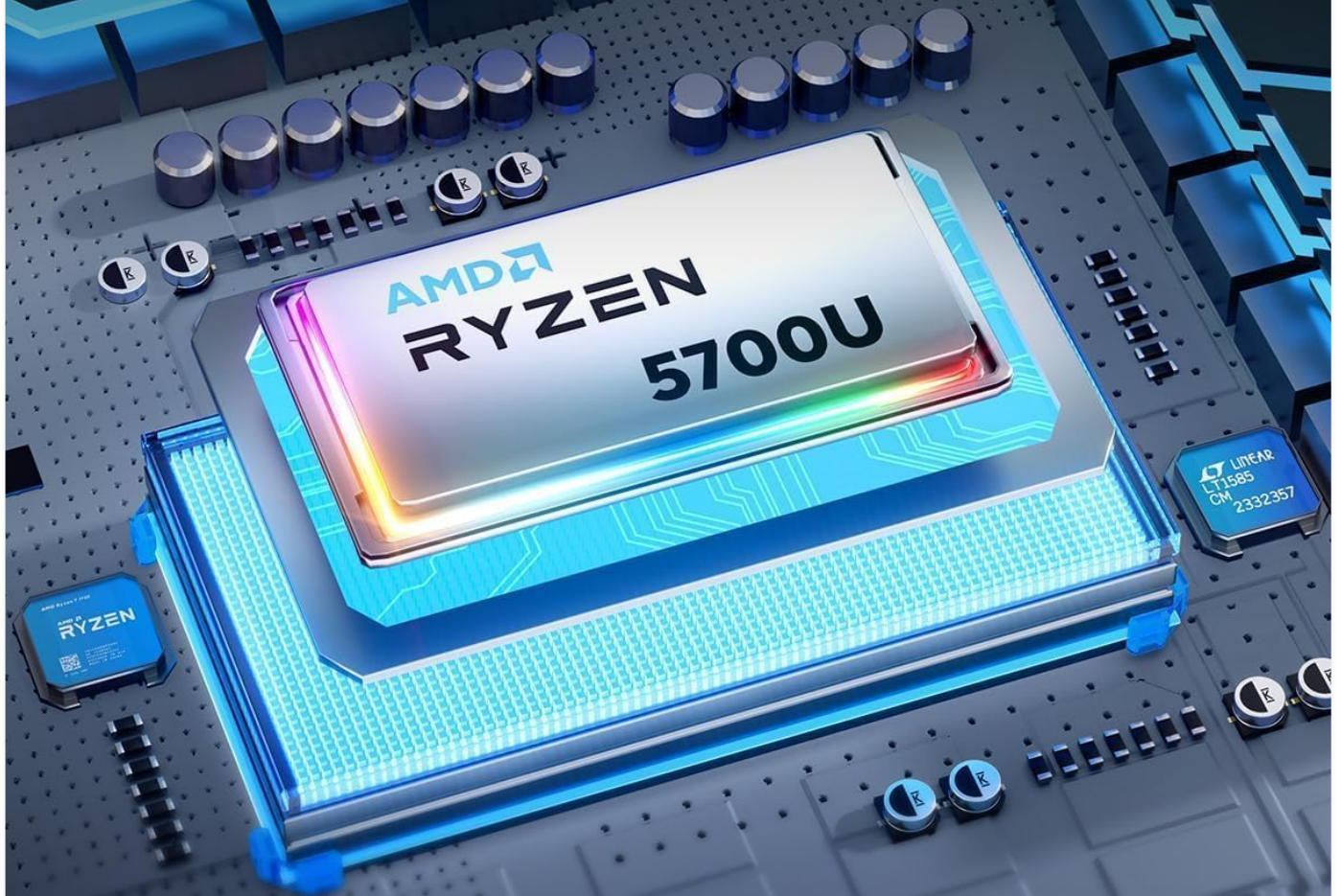
- **Front Panel:** Power Button, 1x USB-C, 1x MIC (headphone/microphone combo jack).
- **Rear Panel:** 1x HDMI 2.0 (4K@60Hz), 1x DisplayPort, 4x USB 3.0, 1x LAN (Gigabit Ethernet), 1x DC-in.

2.3 Internal Components

The Mini PC is equipped with high-performance components for efficient operation.

AMD Ryzen 7 5700U

Excellent performance and speed
it is your good partner in work and a good helper in life



 **8/16**

Cores/Threads

 **1900MHZ**

Graphics Frequency

 **4.3GHZ**

Burst Frequency

Image: Close-up diagram of the AMD Ryzen 7 5700U processor, highlighting its 8 cores/16 threads, 1900MHz graphics frequency, and 4.3GHz burst frequency.

Combination of High-speed Memory and Hard Disk, One Step



Dual SO-DIMM
memory slots 8+8GB

support for dual channel expansion to 64GB



High speed
M.2 solid state 512GB

Support expansion to 2TB



Image: Diagram showing the dual SO-DIMM memory slots (8GB+8GB) and the M.2 SSD 512GB, indicating expandability up to 64GB RAM and 2TB SSD.

3. SETUP GUIDE

3.1 Unboxing and Initial Placement

Carefully remove all components from the packaging. The box should contain the Mini PC, a user manual, a power

adapter, an HDMI cable, a wall mount, and screws. Place the Mini PC on a stable, flat surface with adequate ventilation.

3.2 Connecting Peripherals

1. **Connect Display:** Use the provided HDMI cable or a DisplayPort cable to connect your monitor(s) to the corresponding ports on the Mini PC.
2. **Connect Keyboard and Mouse:** Plug your USB keyboard and mouse into the available USB 3.0 ports. For wireless peripherals, ensure their receivers are connected.
3. **Connect Power:** Insert the power adapter cable into the DC-in port on the Mini PC, then plug the power adapter into a wall outlet.
4. **Network Connection (Optional):** For a wired connection, connect an Ethernet cable from your router or modem to the LAN port on the Mini PC. For wireless, Wi-Fi 6 is supported.

3.3 VESA Wall Mount Installation (Optional)

The Mini PC can be mounted to the back of a VESA-compatible monitor using the included bracket for a cleaner workspace.

VESA Wall Mount Bracket



A Mini PC that Can be Taken Away at Any Time



Image: The NiPoGi Mini PC shown mounted on the back of a monitor using the VESA bracket, demonstrating its space-saving capability.

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

4.1 Power On/Off

- **Power On:** Press the power button located on the front panel. The power indicator light will illuminate.
- **Power Off:** To shut down the system, use the operating system's shutdown function. Alternatively, press and hold the power button for 5-7 seconds for a forced shutdown (only use if the system is unresponsive).

4.2 Dual Display Setup

The Mini PC supports dual 4K@60Hz displays, enhancing productivity and multimedia experiences.



HDMI+DP Dual Screen Display & 4K High Definition

Enjoy multiple screens, and the visual experience will never be the same.

Image: A dual monitor setup powered by the NiPoGi Mini PC, demonstrating its capability for extended desktop or mirrored displays at 4K resolution.

Connect one monitor to the HDMI port and another to the DisplayPort. Configure display settings within your operating system (e.g., Windows Display Settings) to extend or duplicate your desktop.

4.3 Network and Bluetooth Connectivity

The Mini PC offers high-speed wireless and wired connectivity.



Image: Visual representation of the Mini PC's Wi-Fi 6 and Bluetooth 5.2 capabilities, showing wireless connections to a tablet, headphones, and smartphone.

- **Wi-Fi 6:** Connect to your wireless network via the operating system's network settings. Wi-Fi 6 provides faster and more stable internet experience.
- **Bluetooth 5.2:** Pair Bluetooth devices such as headphones, speakers, or input devices through the operating system's Bluetooth settings.
- **Gigabit Ethernet:** For a stable and fast wired connection, plug an Ethernet cable into the RJ-45 LAN port.

4.4 Storage Expansion

The Mini PC's storage can be expanded by replacing the existing M.2 SSD with a larger capacity drive (up to 2TB) or by adding an additional 2.5-inch SATA SSD/HDD (if a bay is available, consult product specifications for details). RAM can be upgraded up to 64GB using compatible DDR4 SO-DIMM modules.

4.5 Usage Scenarios

The NiPoGi Mini PC is versatile and suitable for various applications.

AM02 PRO

Meet Your Various Scene Needs



Image: Collage showing the NiPoGi Mini PC being used in various environments: office, casual light gaming, meetings, photo editing, education, and home theater.

- **Office & Business:** Ideal for daily productivity tasks, presentations, and video conferencing.
- **Home Theater PC (HTPC):** Stream 4K videos and enjoy multimedia content.
- **Education:** Suitable for online learning and educational software.
- **Light Gaming:** Capable of running casual games with its integrated Radeon RX Vega 8 graphics.
- **Photo Editing:** Handles photo editing tasks efficiently.

Official Product Video

Your browser does not support the video tag.

Video: An official product video showcasing the features and versatility of the NiPoGi Mini PC AM02PRO, including its compact size, powerful CPU, and various applications like light gaming, business meetings, and home theater use.

5. MAINTENANCE

- **Cleaning:** Regularly clean the exterior of the Mini PC with a soft, dry cloth. Use compressed air to clear dust from ventilation grilles to ensure proper airflow and prevent overheating.
- **Ventilation:** Ensure the Mini PC is placed in a well-ventilated area and that its vents are not obstructed.
- **Software Updates:** Keep your operating system and drivers updated to ensure optimal performance and security.
- **Data Backup:** Regularly back up important data to an external drive or cloud storage.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No display on monitor	Loose cable connection, incorrect input source, monitor off.	Check HDMI/DisplayPort cable connections at both ends. Ensure monitor is powered on and set to the correct input source. Try a different cable or monitor if available.
Mini PC does not power on	Power adapter not connected, power outlet issue.	Verify the power adapter is securely connected to the Mini PC and the wall outlet. Try a different power outlet.
Slow performance	Too many applications running, insufficient RAM/storage, overheating.	Close unnecessary applications. Check system resources (Task Manager/Activity Monitor). Ensure proper ventilation; clean dust from vents. Consider upgrading RAM or SSD if frequently experiencing slowdowns.
Wi-Fi/Bluetooth connectivity issues	Driver issues, interference, disabled adapter.	Ensure Wi-Fi/Bluetooth is enabled in operating system settings. Update wireless/Bluetooth drivers. Restart the Mini PC and your router/modem. Minimize interference from other electronic devices.

7. SPECIFICATIONS

Feature	Detail
Brand	NiPoGi
Model Number	AM02PRO 5700U/16+512GB

Feature	Detail
Processor Brand	AMD
Processor Type	Ryzen 7 5700U (8C/16T)
Processor Speed	1.8 GHz (up to 4.3 GHz burst)
RAM Size	16 GB DDR4
Memory Technology	DDR4
Maximum Memory Supported	64 GB
Hard Drive Size	512 GB
Hard Disk Description	SSD (M.2 NGFF)
Graphics Coprocessor	Radeon RX Vega 8
Graphics Card Description	Integrated
Connectivity Type	Wi-Fi 6, Bluetooth 5.2, Gigabit Ethernet
Number of HDMI Ports	1
Number of DisplayPorts	1
Operating System	Pre-installed OS (e.g., Windows 11)
Item Weight	1.29 kg
Package Dimensions	25.9 x 21.5 x 11.9 cm

8. WARRANTY AND SUPPORT

NiPoGi offers a 1-year worry-free warranty for this product. For technical support, warranty claims, or any inquiries, please refer to the contact information provided with your purchase or visit the official NiPoGi website. Lifetime technical support is available.

