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> NiPoGi CK10 Mini PC 32GB RAM, Intel Core i5-12450H (up to 4.4 GHz, 8C/12T) Mini PC WiFi 6, 1024GB (1TB) M.2 SSD Mini Desktop Computer, 4K UHD/BT 5.2/Triple Display User Manual

NiPoGi CK10

NiPoGi CK10 Mini PC User Manual

Model: CK10 | Brand: NiPoGi

1. INTRODUCTION

The NiPoGi CK10 Mini PC is a compact and powerful desktop computer designed for a wide range of applications, from daily office tasks and online education to professional design and 4K entertainment. Its small footprint and robust performance make it an ideal solution for both home and business environments.



Figure 1.1: NiPoGi CK10 Mini PC Overview

This manual provides detailed instructions on setting up, operating, maintaining, and troubleshooting your NiPoGi CK10 Mini PC to ensure optimal performance and longevity.

Meet Your Needs **At All Times**

For Personal Use



For Business Use



Figure 1.2: Diverse Applications of the CK10 Mini PC

Its compact design allows for versatile placement, whether on a desktop, mounted behind a monitor, or easily carried for on-the-go productivity.

LESS IS MORE

The palm-sized mini pc makes your desktop more compact and can be carried around for your work.



Figure 1.3: Compact and Portable Design

2. KEY FEATURES

2.1 Powerful Performance

The NiPoGi CK10 Mini PC is equipped with a 12th Gen Intel Core i5-12450H processor (8 Cores/12 Threads, 12MB Smart Cache, up to 4.4 GHz). This processor delivers robust performance for demanding applications, operating quieter than previous generations and comparable CPUs.

12th Gen Intel Core **i5-12450H**

8/12 Cores/Threads

12MB Cache

4.4GHz Turbo Frequency

The Data from Cinebench R23

■ Single-Core

■ Multi-Core



*Testing May Vary Due To Environmental Changes

Figure 2.1: Intel Core i5-12450H Performance Overview



Figure 2.2: Processor Performance Comparison

2.2 Ample Memory and Storage

The CK10 Mini PC comes equipped with 32GB of dual-channel DDR4 RAM and a 1024GB (1TB) M.2 NVMe PCIe 3.0 SSD. The dual-channel RAM configuration provides up to 30% faster read and write speeds compared to single-channel setups, enhancing multitasking capabilities.

32GB RAM & 1024GB M.2 NVMe SSD

High Memory, Run without Burden

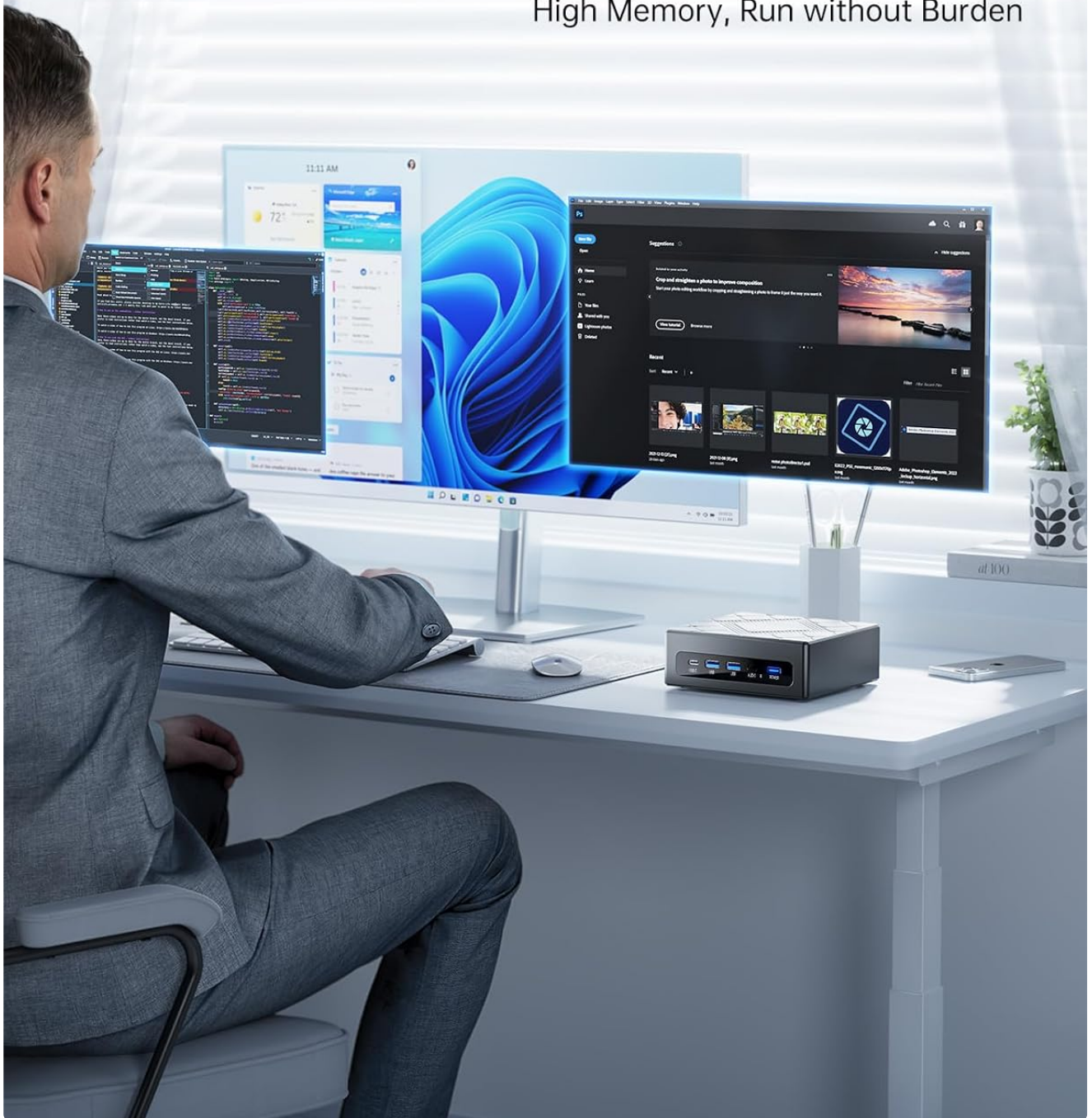


Figure 2.3: High-Speed Memory and Storage

For flexible expansion, the device includes dual M.2 SSD slots, supporting both NVMe and SATA SSDs up to 2TB, and can support up to 64GB DDR4 RAM.

Easily Upgrade Storage

Daily Operation and Storage Without Burden



Figure 2.4: Easy Storage Upgrade Options



Figure 2.5: Dual-Channel RAM Performance Advantage



Figure 2.6: Expandable Storage Capabilities

2.3 Advanced Connectivity

The CK10 Mini PC features WiFi 6 (802.11ax) and Bluetooth 5.2, ensuring stable and high-speed wireless connections. It offers a versatile array of ports for connecting various peripherals.

Faster WiFi 6 + Bluetooth 5.2

Enjoy high speed and stable wireless network



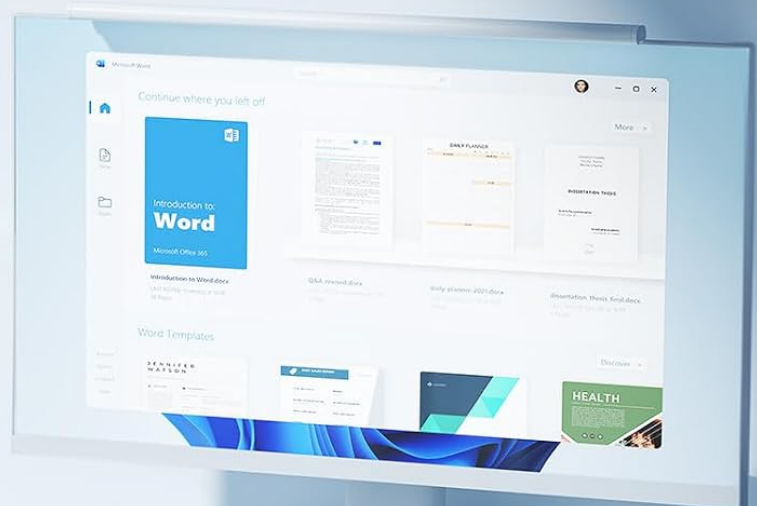
WiFi 6

MAX Speed 2.4Gbps

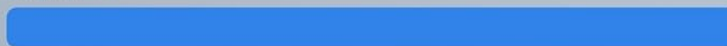


5.2

Bluetooth



WiFi 6



2400Mbps

WiFi 5



866Mbps

Figure 2.7: WiFi 6 and Bluetooth 5.2

Available ports include: 4x USB 3.0, 1x USB-C (data transfer only), 2x HDMI, 1x VGA, 1x Gigabit LAN, 1x Audio/Microphone input, and 1x DC power jack.



Figure 2.8: Comprehensive Port Selection

2.4 Triple Display Support

The Mini PC features an Intel UHD Graphics GPU, supporting HD (4096 x 2160) and 4K @ 60Hz triple display output via 2 HDMI ports and 1 VGA port. This allows for an expansive workspace or an immersive home theater experience.

Triple Display-Enjoy 4K UHD Visual



VGA



HDMI 2.0
4K@60Hz ×2



Figure 2.9: Triple 4K UHD Display Capability



Figure 2.10: Ideal for Home Theater Setups

3. SETUP GUIDE

3.1 Package Contents

Before you begin, please verify that all items are included in your package:

- 1 x NiPoGi CK10 i5-12450H Mini PC
- 1 x Power Adapter
- 1 x VESA Mount
- 1 x HDMI Cable
- 1 x User Manual



Figure 3.1: Included Accessories

3.2 Connecting Peripherals

Follow these steps to connect your Mini PC:

1. **Connect Display:** Use the provided HDMI cable to connect the Mini PC to your monitor or TV. You can use both HDMI ports and the VGA port for a triple display setup.

2. **Connect Keyboard and Mouse:** Plug your USB keyboard and mouse into any of the available USB 3.0 ports.
3. **Connect Power:** Insert the power adapter into the DC power jack on the Mini PC, then plug the adapter into a power outlet.
4. **Network Connection (Optional):** For a wired connection, plug an Ethernet cable into the Gigabit LAN port. For wireless, ensure your WiFi network is available.
5. **Audio Devices (Optional):** Connect speakers or headphones to the audio/microphone input jack.

11-in-1 More Expansion Possibilities

Compatible With Various



Figure 3.2: Port Layout and Expansion

3.3 VESA Mount Installation (Optional)

The NiPoGi CK10 Mini PC can be easily mounted to the back of a VESA-compatible monitor or TV to save 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 until it clicks securely into place.

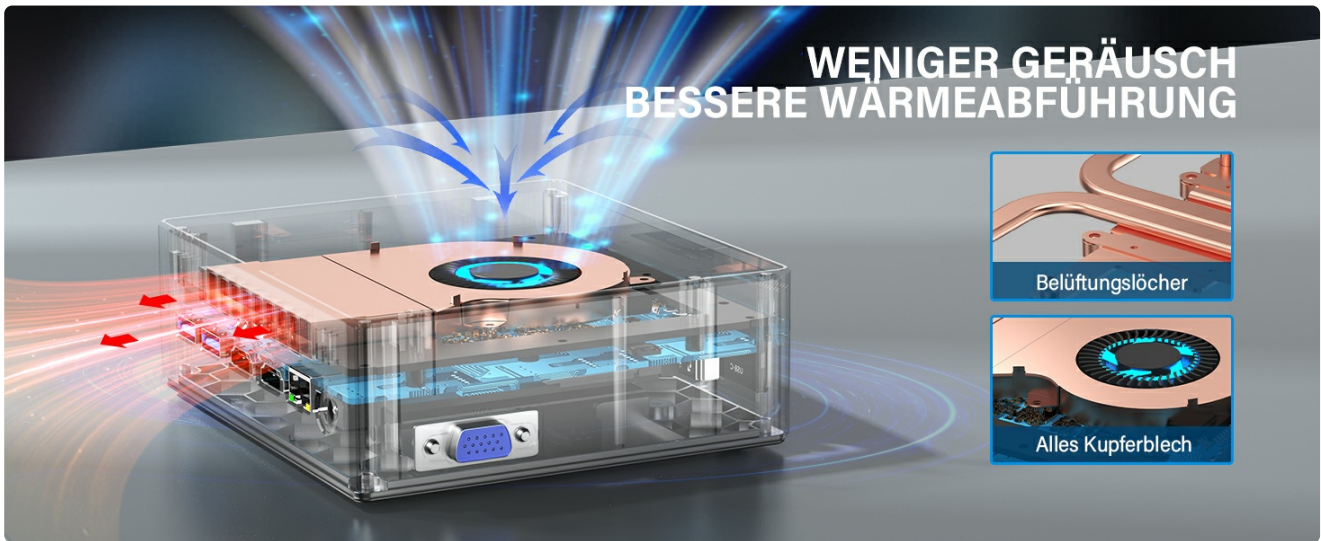


Figure 3.3: VESA Mount Installation

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

- **Power On:** Press the power button located on the front of the Mini PC. The power indicator light will illuminate.
- **Power Off:** To shut down the system, go to the Start Menu in Windows and select 'Power' > 'Shut down'. Avoid directly unplugging the power cable to prevent data loss or system damage.
- **Restart:** From the Start Menu, select 'Power' > 'Restart'.

4.2 Initial Setup (Windows 11)

The NiPoGi CK10 Mini PC comes with Windows 11 pre-installed. Upon the first boot, you will be guided through the initial Windows setup process, which includes:

- Selecting your region and keyboard layout.
- Connecting to a network (wired or wireless).
- Creating or logging in with a Microsoft account.
- Setting up privacy settings.

Follow the on-screen prompts to complete the setup. Once finished, your Mini PC will be ready for use.

5. MAINTENANCE

5.1 Cleaning

- Regularly clean the exterior of the Mini PC with a soft, dry cloth.

- Use compressed air to clear dust from the ventilation slots to ensure proper airflow.

5.2 Ventilation and Cooling

The CK10 Mini PC features an active fan cooling solution and superior ventilation slots to maintain optimal operating temperatures. To ensure efficient cooling:

- Ensure the Mini PC is placed in a well-ventilated area.
- Do not block the ventilation openings.
- Avoid placing the Mini PC on soft surfaces that may obstruct airflow.



Figure 5.1: Efficient Cooling System

5.3 Software Updates

Keep your Windows operating system and drivers updated to ensure system stability, security, and optimal performance. Windows Update will automatically download and install necessary updates.

6. TROUBLESHOOTING

If you encounter issues with your NiPoGi CK10 Mini PC, refer to the following common problems and solutions:

6.1 No Display Output

- **Check Cable Connections:** Ensure the HDMI/VGA cable is securely connected to both the Mini PC and the monitor.
- **Verify Monitor Input:** Make sure your monitor is set to the correct input source (HDMI 1, HDMI 2, VGA).
- **Test with Another Display/Cable:** Try connecting the Mini PC to a different monitor or using a different HDMI/VGA cable to rule out faulty hardware.

6.2 No Power

- **Check Power Adapter:** Ensure the power adapter is firmly connected to the Mini PC and the power outlet.
- **Test Power Outlet:** Plug another device into the same power outlet to confirm it is working.
- **Power Button:** Ensure you are pressing the power button correctly.

6.3 No Internet Connection

- **Wired Connection:** Check if the Ethernet cable is properly connected to both the Mini PC and the router/modem. Verify router status.
- **Wireless Connection:** Ensure WiFi is enabled in Windows settings. Check if the correct WiFi network is selected and the password is entered correctly. Restart your router.
- **Driver Issues:** Go to Device Manager in Windows to check if network adapters are installed correctly and without errors.

6.4 System Slowdown or Freezing

- **Close Unused Applications:** Too many open programs can consume system resources.
- **Check Disk Space:** Ensure there is sufficient free space on your SSD.
- **Scan for Malware:** Run a full system scan using antivirus software.
- **Update Drivers:** Ensure all drivers, especially graphics and chipset drivers, are up to date.

7. SPECIFICATIONS

Feature	Specification
Brand	NiPoGi
Model Number	CK10
Processor	Intel Core i5-12450H (8C/12T, up to 4.4 GHz)
RAM	32GB DDR4 (Dual Channel)
Storage	1024GB (1TB) M.2 NVMe PCIe 3.0 SSD
Graphics	Intel UHD Graphics (4K UHD Triple Display)
Wireless Connectivity	WiFi 6 (802.11ax), Bluetooth 5.2
Ports	4x USB 3.0, 1x USB-C (data only), 2x HDMI, 1x VGA, 1x Gigabit LAN, 1x Audio/Mic, 1x DC Jack
Operating System	Windows 11 (Pre-installed)
Dimensions	13.7 cm x 12.6 cm x 5 cm
Weight	0.47 kg

8. WARRANTY AND SUPPORT

NiPoGi offers comprehensive support for your CK10 Mini PC:

- **Product Satisfaction:** 1-year warranty for product satisfaction.
- **Technical Support:** Lifetime technical support is provided for all NiPoGi Mini PCs.
- **Maintenance Service:** Maintenance points are available for exchange or repair during the warranty period.

Contacting Support:

If you have any questions or require assistance, please use one of the following methods:

- **Amazon Support:** Log in to your Amazon account, navigate to "Your Account" > "Your Orders", and select "Ask Product Question" for your purchase.
- **Email:** support@inipogi.com
- **Phone:** +44 808 175 2348 (Monday-Friday, 9am-5pm EST)



Figure 8.1: Support Information