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## Topteng N9

# Topteng Ninkear Mini PC N9 Instruction Manual

Model: N9

## 1. INTRODUCTION

This manual provides detailed instructions for setting up, operating, and maintaining your Topteng Ninkear Mini PC N9. Please read this manual carefully before using the device to ensure optimal performance and longevity.



Figure 1.1: Topteng Ninkear Mini PC N9. This image shows the compact design of the Mini PC, highlighting its sleek grey-blue casing and front ports.

## 2. PRODUCT FEATURES

The Ninkear Mini PC N9 is designed for versatile computing, offering a balance of performance and compact design.

- **Compact and Powerful:** Equipped with a high-end N95 Alder Lake-N processor, ideal for multitasking and smooth productivity in a compact form factor.
- **Fast and Efficient Memory:** Features 8GB DDR4 RAM and a fast 256GB SSD, providing ample storage and quick data access for files and applications.
- **Versatile Connectivity:** Includes USB 3.0, HDMI, Type-C, and DP ports for flexible connectivity with external peripherals and displays, enhancing productivity and entertainment capabilities.
- **Advanced Networking:** Supports dual-band WiFi 6.0 and Gigabit LAN for fast and reliable internet connectivity, ensuring seamless online experiences for work and entertainment.
- **Quiet and Energy-Efficient:** Designed for silent operation with efficient cooling, suitable for various environments. Compact dimensions (128x128x45 mm) and light weight (370 g) for easy placement and portability.

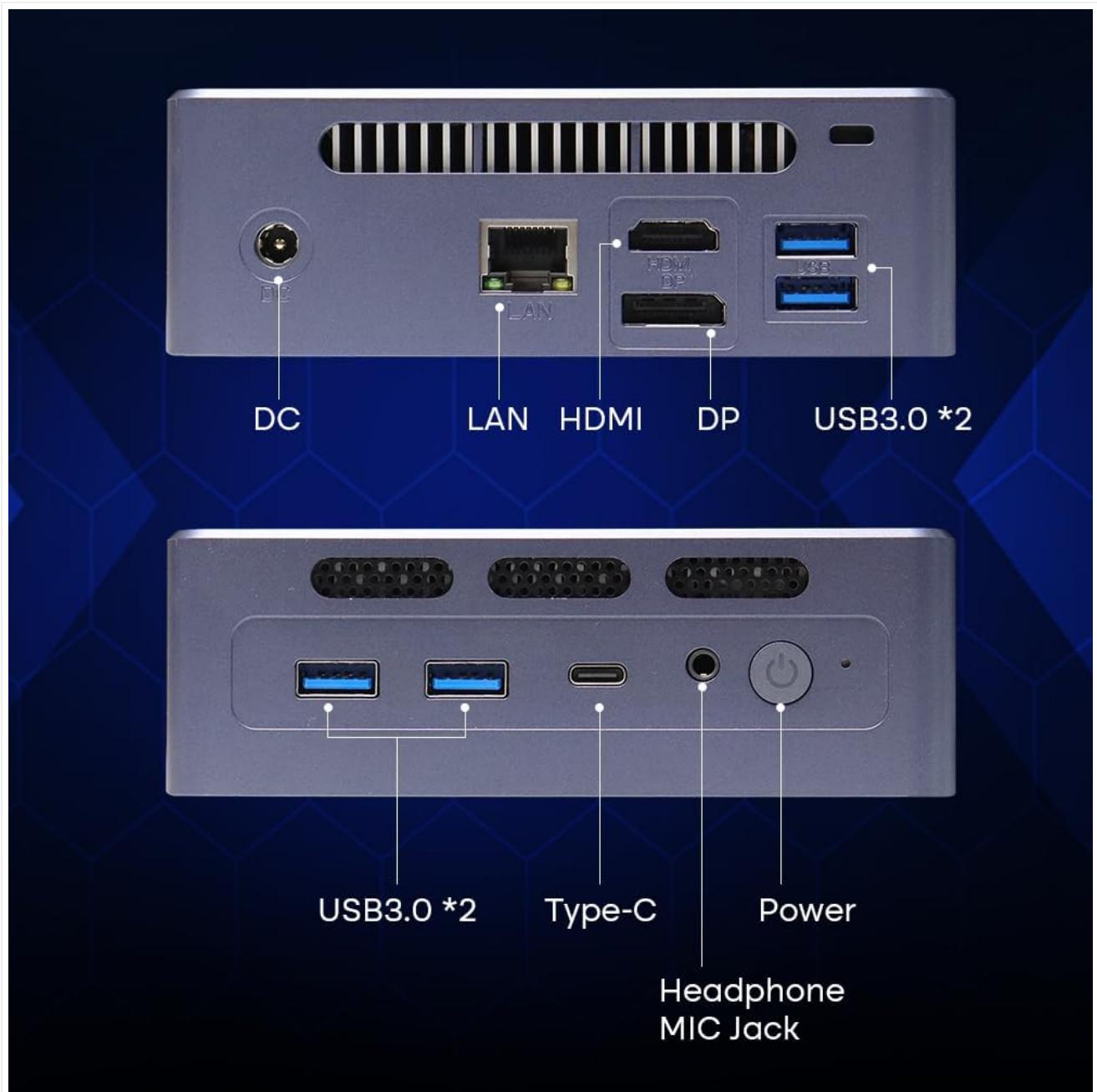


Figure 2.1: Front and Rear Ports. This diagram illustrates the various input/output ports available on the Mini PC, including USB 3.0, HDMI, DP, Type-C, DC power, LAN, and headphone jack.

# Dual band WiFi 2.4G+5.0GHz

Faster,more efficient,easy transmission



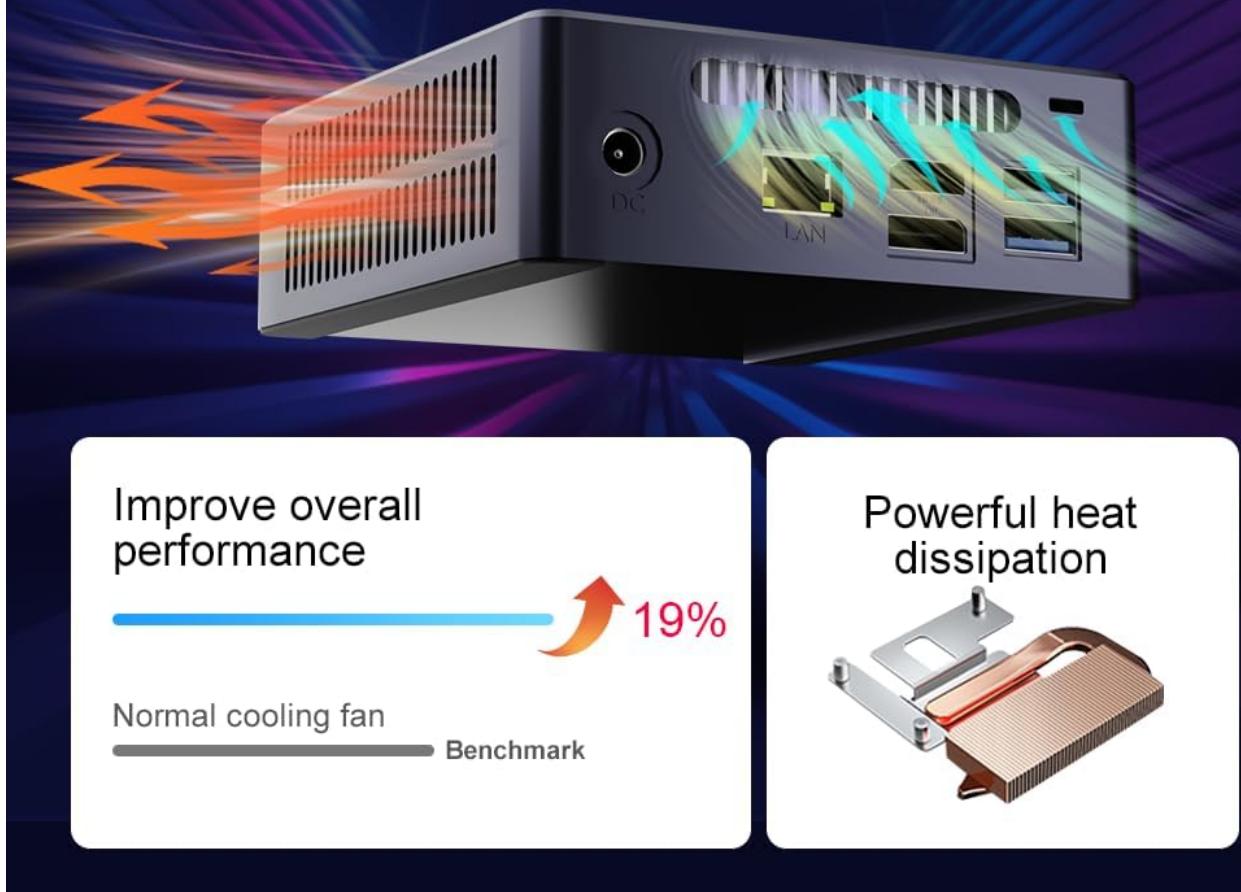
Figure 2.2: Network Connectivity. This image highlights the Mini PC's support for dual-band WiFi (2.4G+5.0GHz) and Gigabit LAN (RJ45 1000M), ensuring fast and stable network connections.



Figure 2.3: Multi-Display Capability. The Mini PC supports up to three displays via Type-C, HDMI 2.0, and DP 1.4, with resolutions up to 8K@60Hz and 4K@60Hz, powered by Intel UHD Graphics.

# Diversified cooling technology for better thermals

Designed signal fan cooling CPU cooling and internal parts cooling(SSD/DDR/motherboard cooling)



# Support Windows and Ubuntu

Easily run office and design software



Figure 2.5: Operating System Compatibility. The Mini PC supports both Windows 11 and Ubuntu, allowing users flexibility in their preferred operating environment.

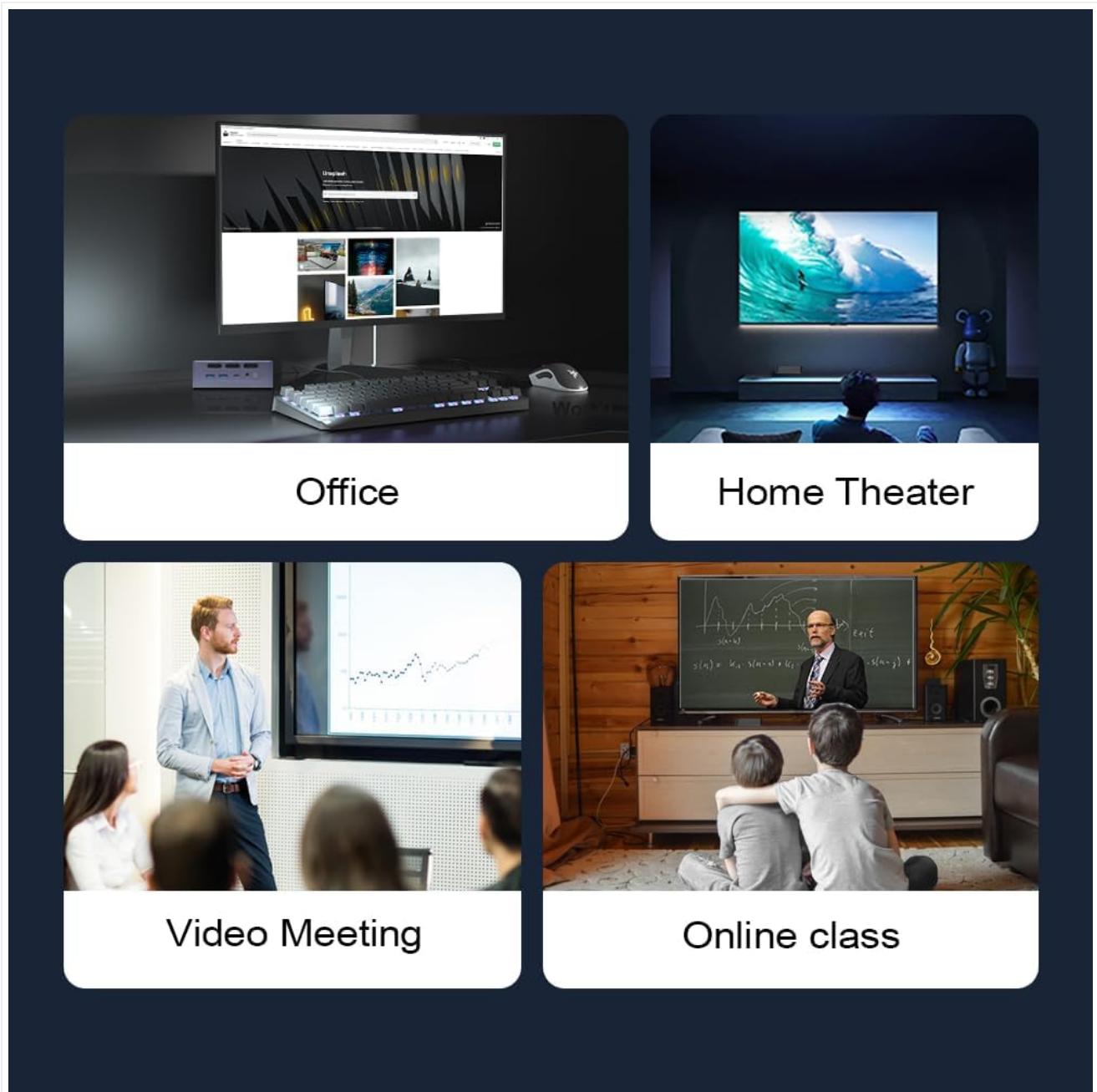


Figure 2.6: Versatile Applications. The Mini PC is suitable for various uses, including office work, home theater setups, video meetings, and online classes, demonstrating its adaptability.



Figure 2.7: Commercial and Industrial Applications. The Mini PC is a suitable choice for commercial and industrial applications, capable of connecting to various peripherals like projectors, security cameras, printers, and monitors.

### 3. SPECIFICATIONS

Detailed technical specifications for the Ninkear Mini PC N9.

Feature	Detail
Product Model	N9
Color	Grey-blue
Material	ABS Plastic
Dimensions (L x W x H)	128 x 128 x 45 mm
Net Weight	370 g
CPU Model	N95 Alder Lake-N High-end Chip

Feature	Detail
Core/Thread	Quad-core and Four-thread
L3 Cache	6 MB
Operating System	Windows 11
RAM Size	8 GB DDR4
Memory Interface	SO-DIMM*1
Max Memory Compatibility	32 GB
Storage Capacity	256 GB SATA3.0 SSD
SSD Read/Write Speed	6 Gbps
Internal HDD/SSD Interface	m.2 2280*1
Max Supported Mechanical/SSD	4T
USB Ports	USB3.0*4
Video Output	HDMI*1, DP*1, TYPE-C*1
Audio Port	Standard Ø3.5 mm Headphone Jack*1
Network Port	RJ45*1 (Supports 10/100/1000 M)
Bluetooth	BT 4.2
WiFi Support	WIFI 6.0
Power Output	12 V 2 A
Power Adapter Weight	347 g
PD Support	Not supported



Figure 3.1: Product Dimensions. This image provides a visual representation of the Mini PC's compact size, measuring 128mm x 128mm x 45mm and weighing 370g.

## 4. SETUP GUIDE

Follow these steps to set up your NinKear Mini PC N9.

- 1. Unpack the Contents:** Carefully remove the Mini PC and all accessories from the packaging. Verify that you have the Mini PC unit and the power adapter.
- 2. Connect to Display:** Connect your monitor or TV to the Mini PC using an HDMI, DisplayPort (DP), or Type-C cable. The Mini PC supports multiple displays.
- 3. Connect Peripherals:** Plug in your keyboard, mouse, and any other USB devices into the available USB 3.0 ports.
- 4. Connect to Power:** Connect the power adapter to the DC input port on the Mini PC, then plug the power adapter into a wall outlet.
- 5. Power On:** Press the power button located on the front of the Mini PC. The power indicator light should illuminate.

6. **Initial Setup:** Follow the on-screen instructions to complete the Windows 11 initial setup, including language, region, network connection, and user account creation.

## 5. OPERATING INSTRUCTIONS

General guidelines for operating your Mini PC.

- **Power On/Off:** Press the power button to turn on the device. To shut down, use the standard Windows shutdown procedure (Start Menu > Power > Shut down). Avoid forced shutdowns unless necessary.
- **Network Connection:**
  - **Wi-Fi:** Go to Windows Settings > Network & Internet > Wi-Fi, select your network, and enter the password.
  - **Wired (LAN):** Connect an Ethernet cable from your router/modem to the RJ45 port on the Mini PC. The connection should be established automatically.
- **Connecting External Devices:** Use the available USB 3.0 ports for external hard drives, USB drives, printers, and other peripherals. The Type-C port can also be used for compatible devices and displays.
- **Display Configuration:** If using multiple monitors, right-click on the desktop, select 'Display settings', and configure your display arrangement (extend, duplicate, etc.).
- **Audio:** Connect speakers or headphones to the 3.5mm audio jack. Adjust volume through the Windows sound settings.

## 6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Mini PC.

- **Cleaning:** Regularly clean the exterior of the Mini PC with a soft, dry cloth. Use compressed air to gently clear dust from the ventilation grilles to prevent overheating. Do not use liquid cleaners directly on the device.
- **Software Updates:** Keep your operating system (Windows 11) and drivers updated. Go to Windows Settings > Windows Update to check for and install available updates.
- **Storage Management:** Periodically check your storage usage and delete unnecessary files to maintain optimal performance.
- **Environmental Conditions:** Operate the Mini PC in a well-ventilated area, away from direct sunlight, excessive heat, and moisture.

## 7. TROUBLESHOOTING

Common issues and their potential solutions.

Problem	Possible Cause	Solution
No power	Power cable not connected; Power adapter faulty; Wall outlet issue	Ensure power cable is securely connected to both the Mini PC and the wall outlet. Try a different outlet.
No display	Monitor not connected; Incorrect input source on monitor; Faulty cable	Check display cable connection. Ensure monitor is set to the correct input (HDMI/DP/Type-C). Try a different cable or monitor.
Wi-Fi not connecting	Incorrect password; Router issue; Driver issue	Verify Wi-Fi password. Restart your router. Check device manager for Wi-Fi driver status.

Problem	Possible Cause	Solution
Slow performance	Too many applications running; Low storage space; Overheating	Close unnecessary applications. Free up disk space. Ensure proper ventilation and clean dust from vents.
USB devices not recognized	Driver issue; Faulty USB port/device	Try a different USB port. Reinstall or update USB drivers. Test the USB device on another computer.

## 8. WARRANTY AND SUPPORT

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Information regarding product warranty and customer support.

Specific warranty details for the Topteng Ninkear Mini PC N9 are not provided in this document. Please refer to the product packaging or the manufacturer's official website for the most up-to-date warranty information.

For technical support or further assistance, please contact Topteng customer service through their official channels. Keep your purchase receipt and product model number (N9) ready when contacting support.