

## Ninkear N16 PRO

# Ninkear N16 PRO Laptop User Manual

Model: N16 PRO | Brand: Ninkear

## 1. INTRODUCTION

This manual provides detailed instructions for setting up, operating, and maintaining your Ninkear N16 PRO Laptop. Please read this manual thoroughly before using your device to ensure optimal performance and longevity.



Figure 1: Ninkear N16 PRO Laptop Overview

## 2. WHAT'S IN THE BOX

Upon opening the package, verify that all items are present:

- Ninkear N16 PRO Laptop
- Power Adapter
- User Manual (this document)

## 3. PRODUCT FEATURES

The Ninkear N16 PRO Laptop is designed for high performance and an immersive user experience. Key features include:

- **Powerful Processor:** Equipped with the 13th Gen Intel Core i7-13620H processor, featuring 10 cores and 16 threads, with a turbo frequency up to 4.9 GHz. This ensures smooth performance for demanding tasks, gaming, and graphic design.



Figure 2: 13th Gen Intel Core i7-13620H Processor

- **Stunning 2.5K Display:** A 16-inch IPS display with a resolution of 2560x1600 pixels and a 16:10 aspect ratio. It offers 4.09 million pixels, providing clear and detailed visuals, ideal for professional applications and multimedia consumption.

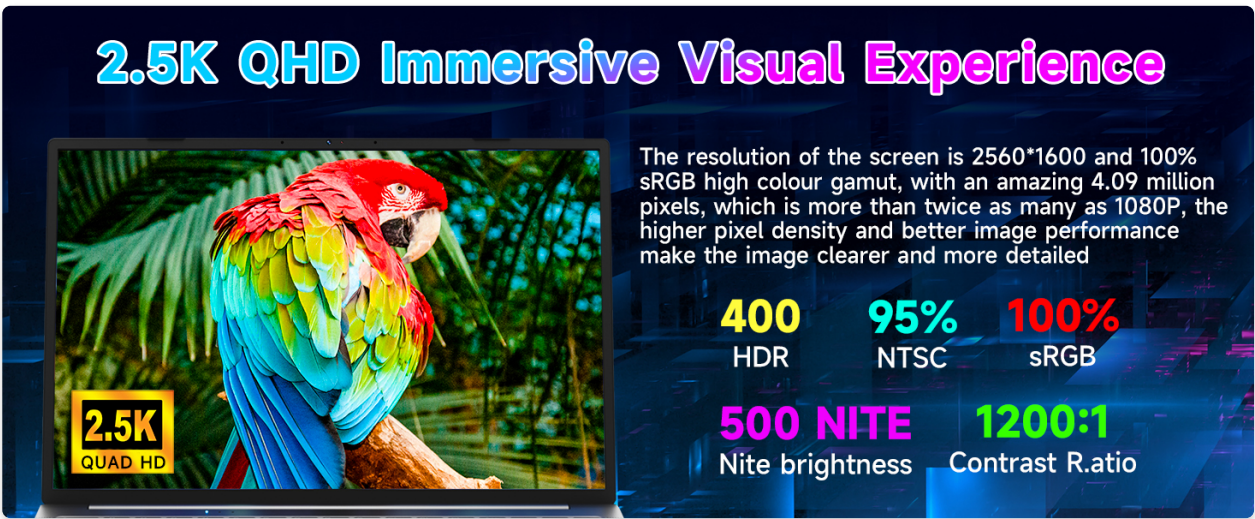


Figure 3: 2.5K QHD Display Details

- **120Hz High Refresh Rate:** Experience ultra-smooth visuals with a 120Hz refresh rate, reducing screen lag and visual fatigue, enhancing the experience for fast-paced content and general use.





Figure 4: Visualizing 120Hz Refresh Rate

- **Expandable Memory and Storage:** Features a DIY dual-channel design, allowing memory expansion up to 64GB DDR4 RAM and storage expansion up to 4TB M.2 SSD. This significantly boosts performance for demanding applications.

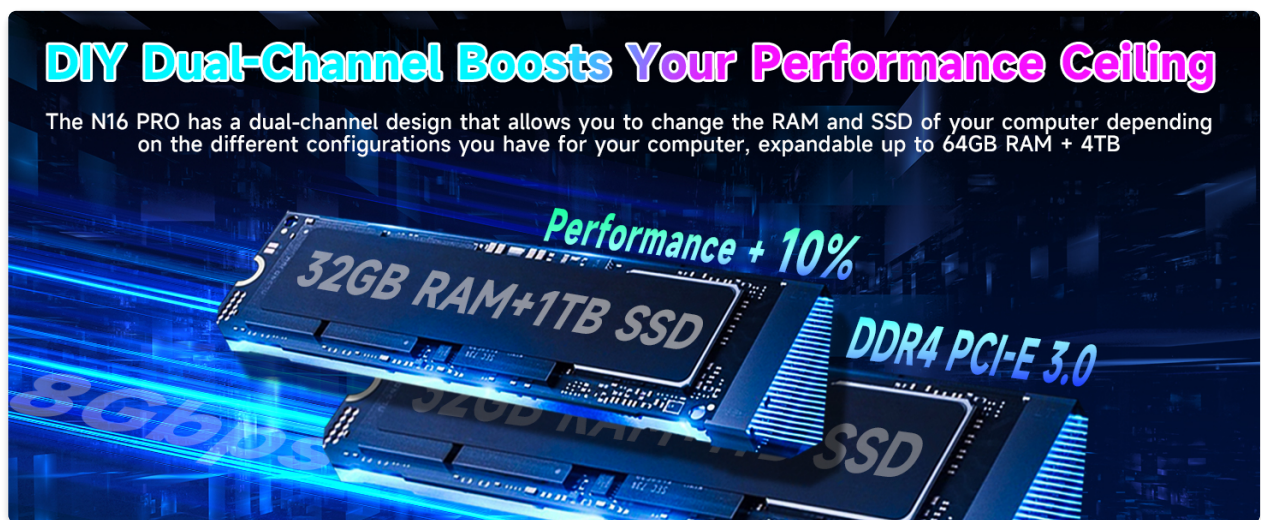


Figure 5: Dual-Channel Design for Performance Boost

- **Advanced Connectivity:** Equipped with the latest WiFi 6 (802.11ax) for faster and more stable wireless connections, and Bluetooth 5.0 for seamless peripheral pairing.



Figure 6: Enhanced Wireless Connectivity

- **Efficient Cooling System:** Features a built-in dual-fan cooling system to effectively dissipate heat, ensuring stable performance even under heavy load.



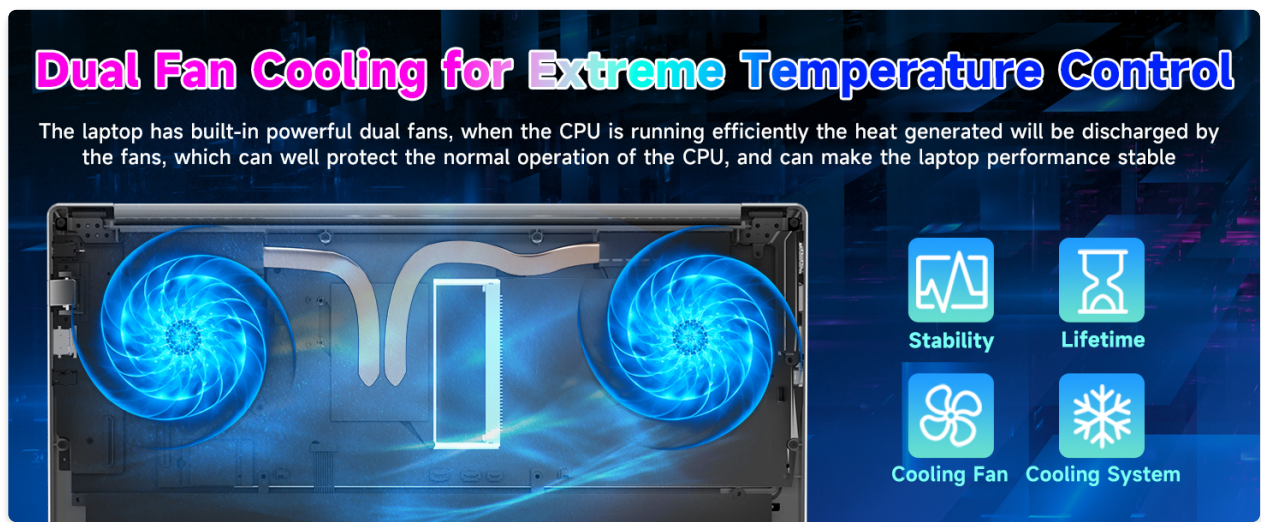


Figure 7: Dual Fan Cooling System

- **Adjustable Backlit Keyboard:** The keyboard includes an auxiliary backlight function, adjustable with FN+F9, allowing for comfortable typing in various lighting conditions.



Figure 8: Backlit Keyboard Functionality

- **Fingerprint Unlock:** Enhance your privacy and security with a one-touch fingerprint unlock feature, allowing quick and convenient access to your laptop.



Figure 9: Fingerprint Unlock for Security

- **Clear Audio Quality:** Two built-in speakers on the bottom of the laptop provide clear sound quality for music, videos, and gaming.





Figure 10: Audio Output

- **HD Webcam:** Integrated 1MP HD webcam with 1280x720 resolution for clear video calls and online learning.



Figure 11: Webcam for Communication

- **Long Battery Life & Flexible Charging:** A 5500mAh battery provides 6-8 hours of usage, and the laptop supports 65W charging.



Figure 12: Battery Performance

- **Rich Interfaces:** Multiple ports including USB 2.0, USB 3.0, HDMI, Type-C, RJ45, and an earphone jack for versatile connectivity.



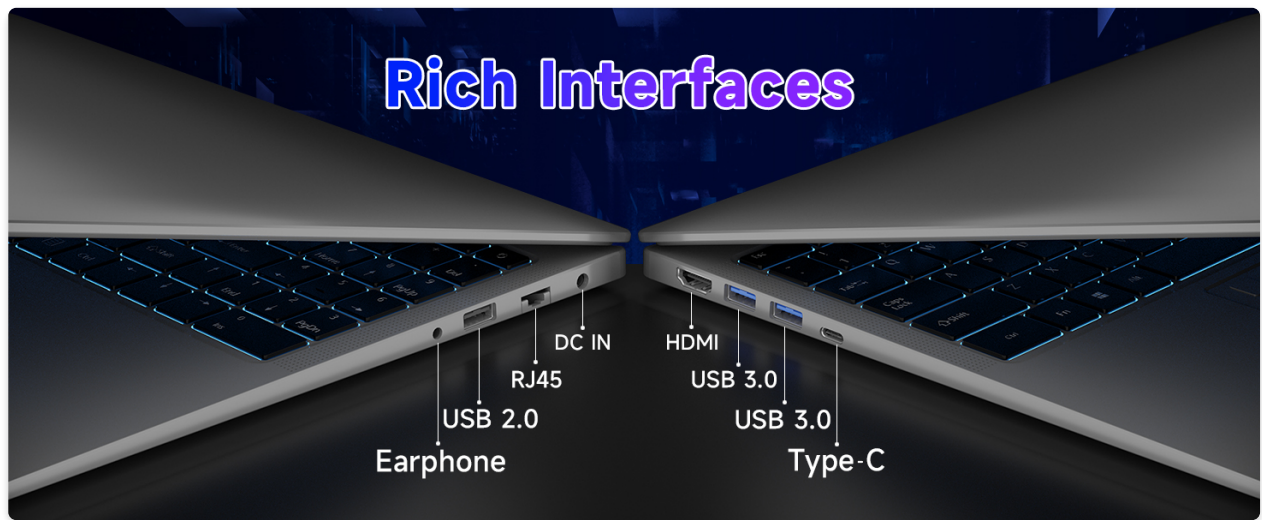


Figure 13: Available Ports

## 4. SETUP GUIDE

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### 4.1 Initial Power On

1. Connect the power adapter to the laptop's charging port and then to a power outlet.
2. Press the power button located on the top right of the keyboard to turn on the laptop.
3. Follow the on-screen instructions to complete the initial Windows 11 setup, including language, region, network connection, and user account creation.

### 4.2 Connecting Peripherals

Your N16 PRO laptop supports various external devices:

- **USB Devices:** Connect USB mice, keyboards, external hard drives, or flash drives to the available USB 2.0 or USB 3.0 ports.
- **External Display:** Use the HDMI port or the full-featured Type-C port to connect an external monitor or projector.
- **Network Cable:** For a wired internet connection, plug an Ethernet cable into the RJ45 port.
- **Audio Devices:** Connect headphones or external speakers to the 3.5mm earphone jack.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Basic Operation

- **Keyboard:** Use the full-sized keyboard for typing.
- **Touchpad:** The integrated touchpad supports multi-touch gestures for navigation.
- **Power Management:** To shut down, restart, or put the laptop to sleep, click the Start button in Windows and select the appropriate power option.

### 5.2 Fingerprint Unlock

The N16 PRO features a fingerprint sensor for quick and secure login:

1. Go to Windows Settings > Accounts > Sign-in options.
2. Set up Windows Hello Fingerprint.
3. Once configured, simply tap the power button with your registered finger for 0.5 seconds to unlock the laptop.



### 5.3 Backlit Keyboard Adjustment

To adjust the keyboard backlight:

- Press the **Fn** key and the **F9** key simultaneously to cycle through backlight brightness levels (off, low, high).

### 5.4 Connecting to Wi-Fi

To connect to a wireless network:

1. Click the Wi-Fi icon in the system tray (bottom right corner of the screen).
2. Select your desired network from the list.
3. Enter the network security key (password) if prompted, then click Connect.

### 5.5 Using External Displays

You can extend or duplicate your display to an external monitor:

- Connect the external display to the laptop using an HDMI cable or a compatible USB-C to display adapter.
- Press the **Windows key + P** to open the Project menu.
- Select your preferred display mode (e.g., Duplicate, Extend, Second screen only).

Your browser does not support the video tag.

Video 1: Ninkear N16 PRO Laptop Overview (This video demonstrates key features and usage scenarios of the Ninkear N16 PRO laptop, including its display, processor, and connectivity options.)

## 6. MAINTENANCE

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### 6.1 Cleaning Your Laptop

- Use a soft, lint-free cloth dampened with water or a screen cleaner to clean the display.
- For the keyboard and chassis, use a soft cloth. Avoid harsh chemicals or abrasive materials.
- Regularly clean the vents to prevent dust buildup, which can affect cooling performance.

### 6.2 Software Updates

Keep your operating system and drivers updated to ensure optimal performance and security:

- **Windows Updates:** Go to Settings > Windows Update and check for updates regularly.
- **Driver Updates:** Visit the Ninkear official website for the latest drivers for your N16 PRO model.

### 6.3 Battery Care

- Avoid completely discharging the battery frequently.
- Store the laptop in a cool, dry place when not in use for extended periods.
- If storing for a long time, charge the battery to about 50% before storage.

### 6.4 Storage Management

- Regularly delete unnecessary files and applications to free up storage space.
- Consider using cloud storage for large files to reduce local disk usage.

## 7. TROUBLESHOOTING

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This section addresses common issues you might encounter with your Ninkear N16 PRO Laptop.



Problem	Possible Cause	Solution
Laptop does not power on.	Low battery; Power adapter issue; Hardware malfunction.	Ensure power adapter is securely connected and outlet is working. Charge the laptop for at least 30 minutes. If issue persists, contact support.
Wi-Fi connection issues.	Incorrect password; Router issue; Driver issue.	Verify Wi-Fi password. Restart your router. Update Wi-Fi drivers.
Keyboard backlight not working.	Backlight turned off or set to lowest brightness.	Press <b>Fn + F9</b> to cycle through brightness levels.
Slow performance.	Too many background applications; Low storage space; Outdated drivers.	Close unnecessary applications. Free up disk space. Update drivers and Windows.

## 8. SPECIFICATIONS

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Detailed technical specifications for the Ninkear N16 PRO Laptop:

Feature	Detail
Brand	Ninkear
Model Name	N16 PRO
Color	Silver
Form Factor	Netbook
Display Size	16 inches
Screen Resolution	2560 x 1600 Pixels
Processor Brand	Intel
Processor Type	Core i7-13620H
Processor Speed	3.6 GHz (Base), up to 4.9 GHz (Turbo)
Processor Cores	10
Installed RAM Size	32 GB
Memory Technology	DDR4
Max. Supported RAM Size	64 GB
Hard Drive Size	1 TB
Hard Drive Technology	SSD (PCIe x 2)
Graphics Coprocessor	Intel UHD Graphics
Graphics Card Memory Size	2 GB



Feature	Detail
Connectivity Type	Bluetooth, WLAN (802.11ax / WiFi 6)
USB 2.0 Interfaces	1
USB 3.0 Interfaces	2
HDMI Interfaces	1
Operating System	Windows 11 Home
Battery Capacity	5500 mAh
Item Weight	1.8 Kilograms

## 9. WARRANTY AND SUPPORT

Ninkear is committed to providing quality products and customer service. For any issues or inquiries, please refer to the following:

- **Warranty:** If you encounter product defects within 1 year of purchase, please contact Ninkear customer service.
- **Contacting Support:** When contacting support, please provide your order number, a video or photo of the defect, and a detailed description of the issue.
- **Repair Options:** Initially, contact the designated customer service center for repair. If repair is not possible through them, you may be able to arrange self-repair and seek reimbursement for repair costs.

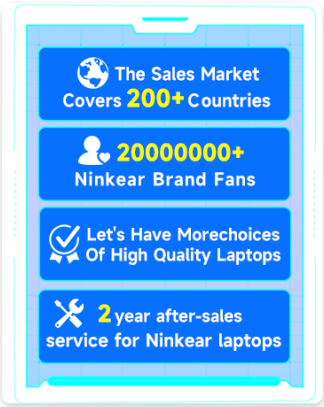


Figure 14: Ninkear After-Sales Service Commitment

