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› Tunhail Mini PC UNB-100 User Manual

Tunhail UNB-100

Tunhail Mini PC UNB-100 User Manual

Model: UNB-100

1. INTRODUCTION

This manual provides instructions for the Tunhail Mini PC, model UNB-100. This compact desktop computer is designed for various tasks, including home entertainment, web browsing, and office work. It features an Intel Alder Lake-N N100 processor, 16GB of DDR4 RAM, and a 512GB SSD. The device supports 4K video output via HDMI 2.1 and offers multiple connectivity options including WiFi 6, Bluetooth 5.2, and several USB 3.0 ports.



Applies To Multiple Scenarios



Image: The Tunhail Mini PC UNB-100 shown in different application environments, including office work, video editing, and home entertainment, highlighting its versatility.

2. WHAT'S IN THE BOX

Please check the package contents upon unboxing. If any items are missing or damaged, contact customer support.

- Tunhail Mini PC UNB-100
- Power Adapter
- HDMI Cable
- User Manual

3. PRODUCT OVERVIEW

Familiarize yourself with the ports and components of your Tunhail Mini PC.

Mini PC Suitable for Various Media Functions



① Power switch ② Earphone hole ③ Type-c ④ USB 3.1
(Full Function)

⑤ USB 3.1 ⑥ USB 2.0 ⑦ HDMI 2.1 ⑧ DP 1.4 ⑨ RJ45*2 ⑩ DC charging

Image: Diagram illustrating the various ports and buttons on the Tunhail Mini PC UNB-100, including front and rear views.

Front Panel

1. **Power Switch:** Turns the device on or off.
2. **Earphone Hole:** 3.5mm audio jack for headphones or speakers.
3. **Type-C (Full Function):** USB Type-C port supporting data, video, and power delivery.
4. **USB 3.1 Ports (x2):** High-speed USB ports for connecting peripherals.

Rear Panel

5. **USB 2.0 Ports (x2):** Standard USB ports for connecting peripherals.
6. **HDMI 2.1 Port:** Connects to a display for video and audio output, supporting up to 4K resolution.
7. **DP 1.4 Port:** DisplayPort for connecting to a display, supporting high resolutions.
8. **RJ45 Ports (x2):** Ethernet ports for wired network connection (1x 1000M, 1x 2.5G).
9. **DC Charging Port:** Connect the power adapter here.

4. SETUP INSTRUCTIONS

Follow these steps to set up your Tunhail Mini PC for the first time.

1. **Connect to a Display:** Use the provided HDMI cable to connect the Mini PC to your monitor or TV. You can also use the DisplayPort for compatible displays.
2. **Connect Peripherals:** Plug in your USB keyboard and mouse into the available USB ports.
3. **Connect to Network (Optional):** For a wired connection, connect an Ethernet cable to one of the RJ45 ports. For wireless, you will configure WiFi after initial boot.
4. **Connect Power:** Plug the power adapter into the DC charging port on the Mini PC, then plug the adapter into a power outlet.
5. **Power On:** Press the power switch on the front panel. The system will boot up, and you will see the operating system (Windows 11 Pro) loading on your display.
6. **Initial Configuration:** Follow the on-screen instructions to complete the Windows 11 Pro setup, including language, region, and network settings.

5. OPERATING INSTRUCTIONS

This section covers basic operation and usage tips for your Mini PC.

Power On/Off

- **To Power On:** Press the power switch on the front panel.
- **To Shut Down:** Click the Start button in Windows, then select Power > Shut down. Do not unplug the power adapter directly without proper shutdown to prevent data loss.
- **To Restart:** Click the Start button in Windows, then select Power > Restart.

Network Connectivity

- **Wired Connection:** Ensure an Ethernet cable is connected to one of the RJ45 ports. The system should automatically detect the connection.
- **Wireless Connection (WiFi 6):** In Windows, click the network icon in the taskbar, select your desired WiFi network, enter the password, and connect.

Bluetooth Devices (BT 5.2)

To connect Bluetooth devices like keyboards, mice, or headphones:

1. Go to Windows Settings > Bluetooth & devices.
2. Ensure Bluetooth is turned On.
3. Put your Bluetooth device into pairing mode.
4. Click "Add device" and select "Bluetooth". Choose your device from the list and follow any on-screen prompts.

Multi-tasking and 4K Video Playback

The Tunhail Mini PC is capable of handling multiple applications simultaneously and supports 4K video playback, making it suitable for various multimedia and productivity tasks.

Handle Multiple Applications Easily



16GB LPDDR4
Speed up to 2666 MHZ

512GB M.2 SSD
Reading Speed : 1783MB/S



Image: The Tunhail Mini PC UNB-100 displayed with multiple applications open on a monitor, demonstrating its capability to handle various tasks efficiently.

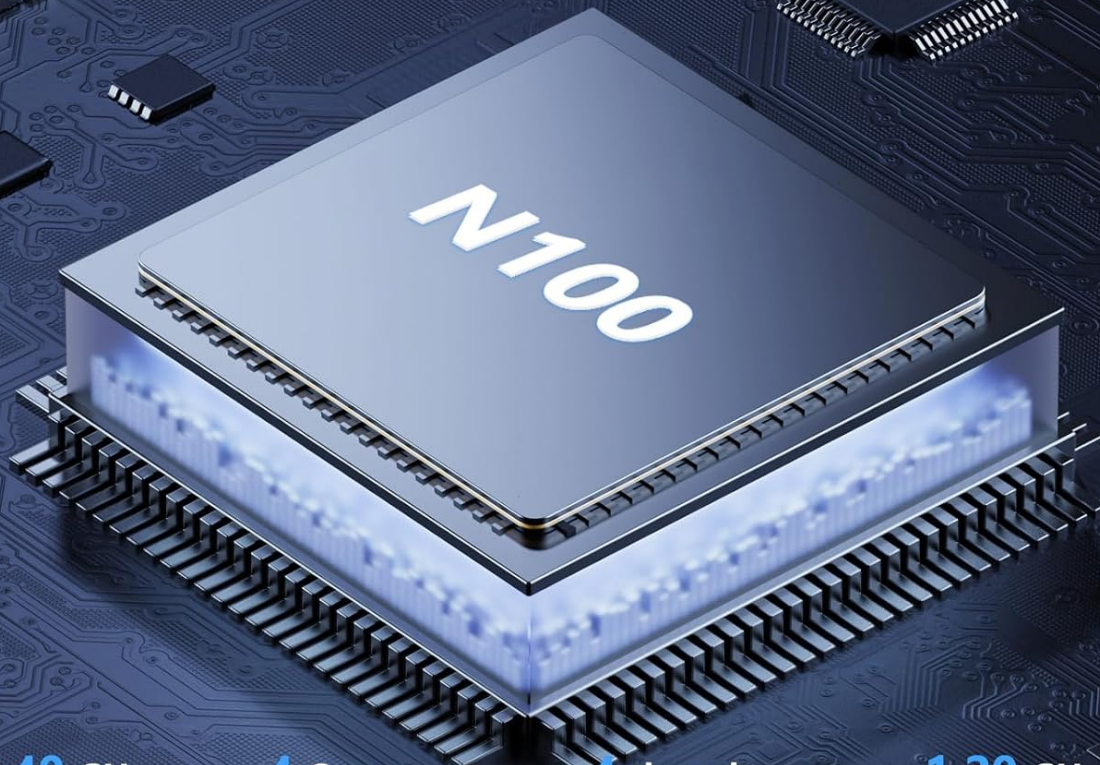
6. SPECIFICATIONS

Detailed technical specifications for the Tunhail Mini PC UNB-100.

Feature	Specification
Brand	Tunhail
Model Name	UNB-100
Operating System	Windows 11 Pro
CPU Model	Intel Alder Lake-N N100 Processor (4 Cores, 4 Threads)

Feature	Specification
CPU Speed	Up to 3.4 GHz (Max Turbo Frequency)
Cache Size	6 MB
Graphics Coprocessor	Intel UHD Graphics
RAM Memory	16 GB DDR4 (2666 MHz)
Storage Capacity	512 GB SSD
Connectivity Technology	Wi-Fi 6 (802.11ax), Bluetooth 5.2, Ethernet (1x 1000M, 1x 2.5G)
USB Ports	4 (2x USB 3.1, 2x USB 2.0)
Video Output	1x HDMI 2.1, 1x DisplayPort 1.4, 1x Type-C (Full Function)
Max Screen Resolution	3840x2160 (4K)
Audio Interface	3.5mm Combo Audio/Microphone Jack
Power Consumption	6 Watts (typical)
Item Dimensions	12.7 x 12.7 x 4.5 cm (5 x 5 x 1.8 inches)
Cooling Method	Passive

Powerful Upgrade Processor



3.40 GHz

Max Turbo Frequency
TDP : Max 12 W

4 Cores

Total Cores
UHD Graphics 24EUS

4 thread

Lithography: 76 MB Smart
Cache

1.20 GHz

Graphics Max
Dynamic Frequency

N100

2723

N5105

2548

N5095

2320

15%

Image: Detailed view of the Intel N100 processor, highlighting its core count, threads, cache, and frequency, indicating its performance capabilities.

3X Faster wireless Speeds Than wifi 5

WIFI 6 with a maximum speed of 9.6Gbps, experience faster data transfers and video downloads



WIFI 6



Bluetooth 5.2



Upload rate



Download rate



Image: Illustration of the Tunhail Mini PC UNB-100's wireless capabilities, emphasizing WiFi 6 and Bluetooth 5.2 for faster data transfer and connectivity.

7. 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. Avoid using liquid cleaners directly on the device. Ensure ventilation holes are free from dust.
- **Ventilation:** Place the Mini PC in a well-ventilated area. Do not block the ventilation holes to prevent overheating.
- **Software Updates:** Keep your operating system and drivers updated to ensure security and performance.
- **Data Backup:** Regularly back up important data to an external drive or cloud storage to prevent data loss.
- **Power Management:** Use the proper shutdown procedure. Avoid sudden power cuts.

8. TROUBLESHOOTING

This section addresses common issues you might encounter and provides basic solutions.

- **No Power:**

- Ensure the power adapter is securely connected to both the Mini PC and a working power outlet.
- Check if the power outlet is functional by plugging in another device.
- Try a different power adapter if available and compatible.

- **No Display:**

- Verify that the HDMI or DisplayPort cable is securely connected to both the Mini PC and the monitor.
- Ensure the monitor is powered on and set to the correct input source (HDMI/DP).
- Try connecting to a different monitor or using a different cable.

- **No Internet Connection:**

- For wired connection, check the Ethernet cable and router status.
- For WiFi, ensure WiFi is enabled in Windows settings and you are connected to the correct network with the right password.
- Restart your router and modem.

- **Slow Performance:**

- Close unnecessary applications running in the background.
- Check for and install any pending Windows updates.
- Ensure there is sufficient free space on the SSD.
- Run a malware scan.

9. WARRANTY AND SUPPORT

The Tunhail Mini PC UNB-100 comes with a **two-year warranty**.

For any questions, technical assistance, or warranty claims, please contact Tunhail customer support through the retailer where you purchased the product or refer to the contact information provided in your product packaging.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question