

Beelink MINIS13 N150

Beelink MINIS13 N150 Mini PC User Manual

Model: MINIS13 N150

1. INTRODUCTION

The Beelink MINIS13 N150 is a compact and powerful mini PC designed for various applications, including light office work, home entertainment, and business tasks. Featuring an Intel N150 processor, 16GB DDR4 RAM, and a 500GB SSD, it offers stable performance and efficient multitasking capabilities. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your MINIS13 N150 Mini PC.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- Beelink MINIS13 N150 Mini PC
- 100cm HDMI Cable
- 12V/3A Power Adapter
- Wall-mounted Bracket
- Instruction Manual (this document)

3. PRODUCT FEATURES

The Beelink MINIS13 N150 Mini PC is equipped with advanced features for a seamless computing experience:

- **Processor:** Intel Twin Lake N150 (4 Cores/4 Threads) with up to 3.6GHz Max Turbo Frequency and 6MB Smart Cache.
- **Operating System:** Pre-installed Windows 11 Home.
- **Memory:** 16GB DDR4 Single-Channel RAM (3200MHz).
- **Storage:** 500GB M.2 SSD, expandable up to 4TB with additional M.2 PCIe 3.0 x4 (NVMe/SATA3) and M.2 PCIe 3.0 x1 (NVMe) slots.
- **Graphics:** Integrated Intel Graphics with 24EUs 1000MHz, supporting dual 4K@60Hz HDMI display output.
- **Connectivity:** WiFi6 (AX101), Bluetooth 5.2, 2.5Gbps LAN.

- **Ports:** 4x USB3.2 Gen2 (10Gbps), 2x HDMI 4K@60Hz, 1x 2.5Gbps LAN, 1x 3.5mm 2-in-1 audio jack, 1x 5.5*2.5 DC jack, 1x locking slot, 1x RTC Key.
- **Additional Functions:** Supports Wake on LAN and Auto Power On.



Figure 3.1: Key Features Overview of the Beelink MINIS13 N150 Mini PC.

4. SETUP INSTRUCTIONS

4.1 Connecting Peripherals

1. **Connect Display:** Connect your monitor(s) to the Mini PC using the provided HDMI cable. The MINIS13 N150 supports dual 4K@60Hz displays.
2. **Connect Keyboard and Mouse:** Plug your USB keyboard and mouse into any of the available USB 3.2 Gen2 ports.
3. **Connect Network (Optional):** For a wired internet connection, connect an Ethernet cable from your router or modem to the 2.5Gbps LAN port on the Mini PC. For wireless, ensure your WiFi network is available.
4. **Connect Power:** Plug the 12V/3A power adapter into the DC jack on the Mini PC, then plug the adapter into a power outlet.

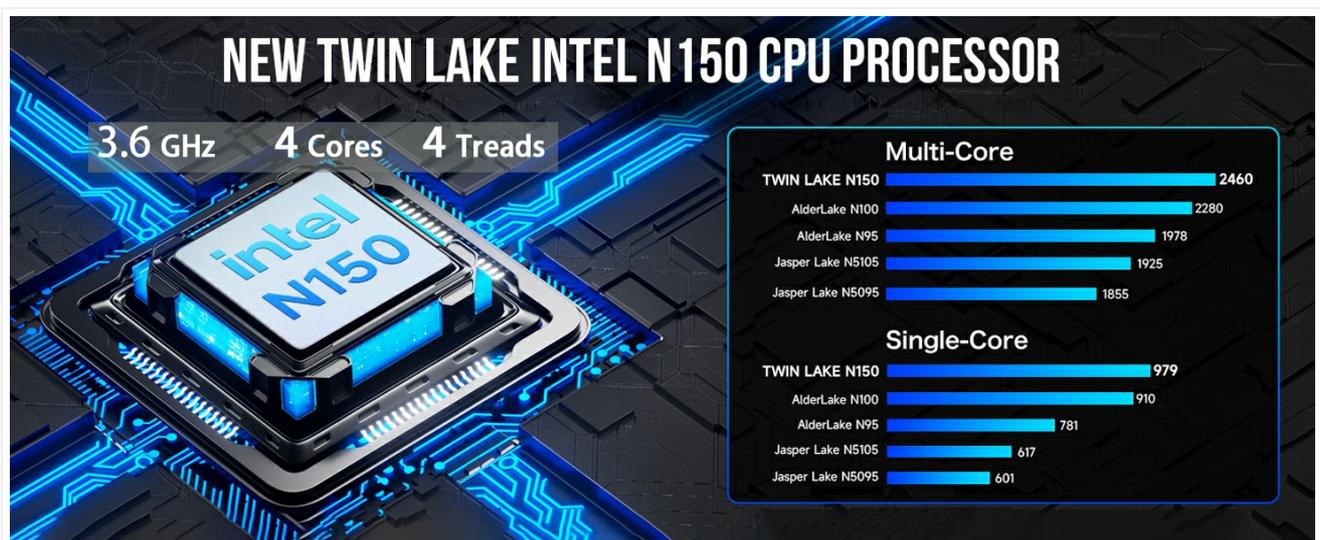


Figure 4.1: Front and Rear Panel Interface Design.

4.2 Initial Power On

Press the power button located on the front of the Mini PC. The power indicator light will illuminate. The system will boot into Windows 11 Home. Follow the on-screen instructions for initial Windows setup, including language, region, network connection, and user account creation.

5. OPERATING INSTRUCTIONS

5.1 Basic Operation

Once Windows 11 is set up, you can begin using your Mini PC. The system is optimized for daily tasks, web browsing, multimedia playback, and light office applications.

5.2 Dual Display Setup

The MINIS13 N150 supports connecting two monitors simultaneously via its dual HDMI ports. This allows for extended desktop space, improving productivity for multitasking. Simply connect both monitors to the HDMI ports and configure display settings within Windows (Right-click on desktop > Display settings).



Figure 5.1: Dual 4K Display Configuration.

5.3 Intel Unison App

The MINIS13 N150 supports the Intel Unison App, allowing seamless connection between your PC and mobile devices. This enables features such as viewing photo galleries, transferring files, making/receiving calls, sending/receiving text messages, and managing notifications from a single source. For detailed setup and usage, refer to Intel's official website.



Figure 5.2: Intel Unison App Integration.

6. STORAGE EXPANSION

The Beelink MINIS13 N150 comes with a pre-installed 500GB M.2 SSD. For additional storage, the device offers dual expandable M.2 slots, supporting up to 4TB total storage:

- **M.2 PCIe 3.0 x4 Slot:** Compatible with NVMe/SATA3 SSDs.
- **M.2 PCIe 3.0 x1 Slot:** Compatible with NVMe SSDs (Note: Incompatible with SATA3 SSDs).

To install or upgrade an M.2 SSD:

1. Power off the Mini PC and disconnect all cables.
2. Carefully open the Mini PC casing. Refer to the diagram below for slot locations.
3. Insert the new M.2 SSD into the appropriate slot and secure it with the provided screw.
4. Close the casing and reconnect all cables.
5. Upon booting, you may need to initialize and format the new SSD through Disk Management in Windows before it can be used.



Figure 6.1: Dual M.2 SSD High-Speed Storage Slots.



Figure 6.2: SO-DIMM DDR4 Memory Module.

7. MAINTENANCE

To ensure the longevity and optimal performance of your Beelink MINIS13 N150 Mini PC, follow these maintenance guidelines:

- **Keep Clean:** Regularly clean the exterior of the Mini PC with a soft, dry cloth. Ensure ventilation openings are free from dust and obstructions to prevent overheating. Do not use liquid cleaners directly on the device.
- **Software Updates:** Keep your Windows operating system and drivers updated to the latest versions. This ensures security, stability, and performance improvements.
- **Proper Shutdown:** Always shut down the Mini PC properly through the Windows operating system. Avoid abrupt power disconnections.

- **Environmental Conditions:** Operate the Mini PC in a well-ventilated area, away from direct sunlight, excessive heat, humidity, and strong electromagnetic fields.

8. TROUBLESHOOTING

If you encounter issues with your Beelink MINIS13 N150 Mini PC, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power/Does not turn on	Power adapter not connected or faulty; Power outlet issue	Ensure power adapter is securely connected to both the Mini PC and a working power outlet. Try a different outlet.
No display on monitor	HDMI cable loose or faulty; Monitor input not selected correctly	Check HDMI cable connections. Ensure monitor is set to the correct input source (e.g., HDMI1, HDMI2). Try a different HDMI cable or monitor.
Slow performance	Too many applications running; Insufficient storage space; Overheating	Close unnecessary applications. Free up disk space. Ensure proper ventilation. Check for background processes.
Wi-Fi or Bluetooth issues	Drivers outdated; Interference; Adapter disabled	Update Wi-Fi/Bluetooth drivers. Check for physical obstructions or other wireless devices causing interference. Ensure Wi-Fi/Bluetooth is enabled in Windows settings.
System crashes or freezes	Software conflict; Driver issues; Hardware malfunction	Update all drivers and Windows. Run a system diagnostic. If issues persist, consider reinstalling Windows or contacting support.

8.1 RTC Key Function

The RTC Key (Real-Time Clock Key) is used to clear the CMOS settings. If you experience boot issues or system instability related to BIOS settings, you can use a small pin to press the RTC Key to reset the BIOS to default settings. Ensure the device is powered off and disconnected from power before using the RTC Key.

9. SPECIFICATIONS

Feature	Detail
Brand	Beelink
Model Number	MINIS13 N150
Operating System	Windows 11 Home
CPU Model	Intel Celeron N150 (4 Cores, 4 Threads)
CPU Speed	Up to 3.6 GHz

Feature	Detail
Graphics Coprocessor	Intel UHD Graphics (24EUs 1000MHz)
RAM Memory Installed	16 GB DDR4 (3200 MHz)
Memory Storage Capacity	500 GB SSD (Expandable up to 4 TB)
Hard Disk Interface	PCIe x 16 (for M.2 SSDs)
Connectivity Technology	Bluetooth 5.2, USB, Wi-Fi 6 (AX101), Ethernet (2.5Gbps LAN)
Total USB Ports	4 (USB 3.2 Gen2)
Total HDMI Ports	2 (4K@60Hz)
Item Weight	0.74 Kilograms
Manufacturer	Shenzhen AZW Technology Co.,Ltd.

10. WARRANTY AND SUPPORT

Your Beelink MINIS13 N150 Mini PC comes with a **1-year warranty**. Beelink is committed to providing excellent customer service and offers:

- Lifetime technical support
- 3-year worry-free warranty
- 24-hour online customer service

For technical assistance, warranty claims, or any product-related inquiries, please contact Beelink customer support through their official channels or the retailer where you purchased the product.