

MeLE Quieter 4C N150

MeLE Quieter 4C N150 Fanless Mini PC User Manual

Comprehensive instructions for setup, operation, and maintenance of your MeLE Quieter 4C N150 Mini PC.

1. INTRODUCTION

This manual provides detailed instructions for the MeLE Quieter 4C N150 Fanless Mini PC. Please read this guide thoroughly before using your device to ensure proper setup and operation. This mini PC is designed for various applications including home use, office tasks, education, and specialized fields like astrophotography, offering a silent and efficient computing experience.



Image 1.1: The MeLE Quieter 4C N150 Fanless Mini PC, showcasing its compact and sleek design.

2. WHAT'S IN THE BOX

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

- 1x MeLE Quieter 4C N150 Mini PC
- 1x 12V/2A Power adapter
- 1x VESA Mount
- 1x User Manual (this document)
- 1x UL Plug



Image 2.1: Contents of the MeLE Quieter 4C N150 retail package, including the mini PC, power adapter, VESA mount, and user manual.

3. SETUP GUIDE

3.1 Physical Connections

Connect your MeLE Quieter 4C N150 Mini PC to your peripherals as follows:

1. **Power Connection:** Connect the included 12V/2A power adapter to the DC-in port (12V/2A) on the mini PC and then to a power outlet.
2. **Display Connection:** Use an HDMI cable to connect the mini PC to your monitor or TV. The device supports up to three 4K displays simultaneously via two HDMI ports and one full-function USB-C port.
3. **USB Peripherals:** Connect your keyboard, mouse, and other USB devices to the available USB 3.2 Gen1 (5Gbps), USB 3.2 Gen2 (10Gbps), or USB 2.0 ports.
4. **Network Connection:** For a wired connection, connect an Ethernet cable to the Gigabit Ethernet port.
5. **Audio:** Connect headphones or speakers to the 3.5mm audio combo jack.



Image 3.1: Detailed diagram of the MeLE Quieter 4C N150's input/output ports, including USB, HDMI, USB-C, Ethernet, and audio jacks.

3.2 Initial Boot and Operating System Setup

After connecting all peripherals, press the power button to turn on the mini PC. If Windows 11 is pre-installed, follow the on-screen instructions to complete the initial setup. This typically involves selecting language, region, and setting up user accounts.

3.3 VESA Mount Installation

The included VESA mount allows you to attach the mini PC to the back of a compatible monitor, saving desk space and creating a cleaner workspace.

1. Attach the VESA bracket to the back of your monitor using the provided screws.

2. Slide the MeLE Quieter 4C N150 Mini PC into the bracket until it clicks securely into place.



Image 3.2: Illustration of VESA installation and standard desktop placement for the MeLE Quieter 4C N150, demonstrating flexible setup options.

4. OPERATING INSTRUCTIONS

4.1 Basic Operation

The MeLE Quieter 4C N150 is designed for silent, 24/7 operation thanks to its fanless cooling system. It is suitable for a wide range of tasks from web browsing and document editing to 4K video playback and light industrial applications.

- **Power On/Off:** Press the power button once to turn on. To shut down, use the operating system's power options or press and hold the power button for 5 seconds.
- **Restart:** Use the operating system's restart option.
- **Sleep Mode:** Press the power button briefly to enter sleep mode. Press again to wake.

4.2 Display Configuration

The mini PC supports up to three independent 4K displays at 60Hz. Connect your displays using the two HDMI ports and the full-function USB-C port. You can configure display settings (resolution, orientation, extension/duplication) within your operating system's display settings.

4.3 Connectivity

- **Wi-Fi:** The device features Wi-Fi 5 (802.11ac) for dual-band (2.4GHz and 5GHz) wireless connectivity. Connect to your preferred network through the operating system's network settings.
- **Bluetooth:** Bluetooth 5.1 is integrated for connecting wireless peripherals such as keyboards, mice, and audio devices.
- **USB-C:** The full-function USB-C port supports 4K display output, data transfer, and power input (PD3.0, 12V to 20V, minimum 36W). This allows for a single-cable solution for power, display, and data with compatible monitors.

4.4 Storage Expansion

The MeLE Quieter 4C N150 comes with 512GB of internal storage. For additional storage, you can:

- Insert a Micro SD card (up to 2TB) into the Micro SD card slot.

- Install an M.2 2280 SSD (up to 4TB, supporting both NVMe and SATA M.2 SSDs) in the internal M.2 slot. Refer to the hardware upgrade guide for detailed instructions on installing an M.2 SSD.



Image 4.1: Diagram illustrating the LPDDR5 RAM and the M.2 2280 SSD slot for storage expansion within the MeLE Quieter 4C N150.

5. MAINTENANCE AND CARE

5.1 Fanless Cooling System

The MeLE Quieter 4C N150 utilizes a passive cooling system, eliminating the need for a fan. This design ensures silent operation and dust resistance. Due to the fanless nature, the surface temperature of the mini PC may reach 55°C to 70°C under load. This is normal and meets safety standards (IEC62368-1:2018). Avoid touching the device directly during prolonged heavy use.

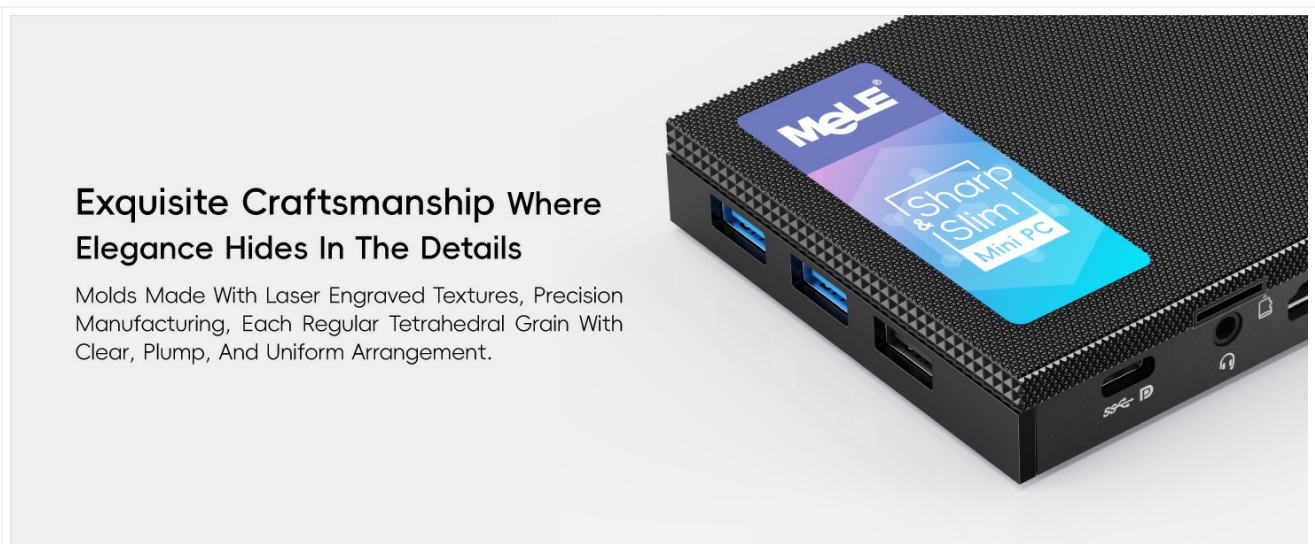


Image 5.1: Visual representation of the fanless cooling technology and heat dissipation characteristics of the MeLE Quieter 4C N150, highlighting its silent and dust-resistant design.

5.2 Cleaning

To clean the exterior of the mini PC, use a soft, dry, lint-free cloth. Do not use liquid cleaners or aerosol sprays directly on the device. Ensure the device is powered off and unplugged before cleaning.

6. TROUBLESHOOTING

6.1 Common Issues and Solutions

- **No Power:**

- Ensure the power adapter is securely connected to both the mini PC and a working power outlet.
- Verify the power adapter is the original 12V/2A adapter provided with the device.

- **No Display Output:**

- Check HDMI or USB-C cable connections to both the mini PC and the monitor.
- Ensure the monitor is powered on and set to the correct input source.
- Try connecting to a different display or using a different cable.

- **Ethernet Not Working:**

- The Ethernet port may be disabled in the BIOS by default. To enable it:
 - a. Restart the mini PC and repeatedly press the **DELETE** key during startup to enter the BIOS setup.
 - b. Navigate to the **Boot** tab.
 - c. Locate and **Enable** the setting labeled "Network Stack Driver Support".
 - d. Go to the **Save and Exit** tab and select "Save and Exit".
- Ensure the Ethernet cable is properly connected and your network router/switch is functioning.

- **Wi-Fi/Bluetooth Connectivity Issues:**

- Check if Wi-Fi and Bluetooth are enabled in your operating system settings.
- Ensure drivers are correctly installed (usually automatic with Windows 11).
- Restart the mini PC and your router/access point.

- **Device Feels Hot:**

- As a fanless device, it is normal for the exterior to feel warm or hot (up to 70°C) during operation, especially under load. Ensure adequate airflow around the device and avoid placing it in enclosed spaces.

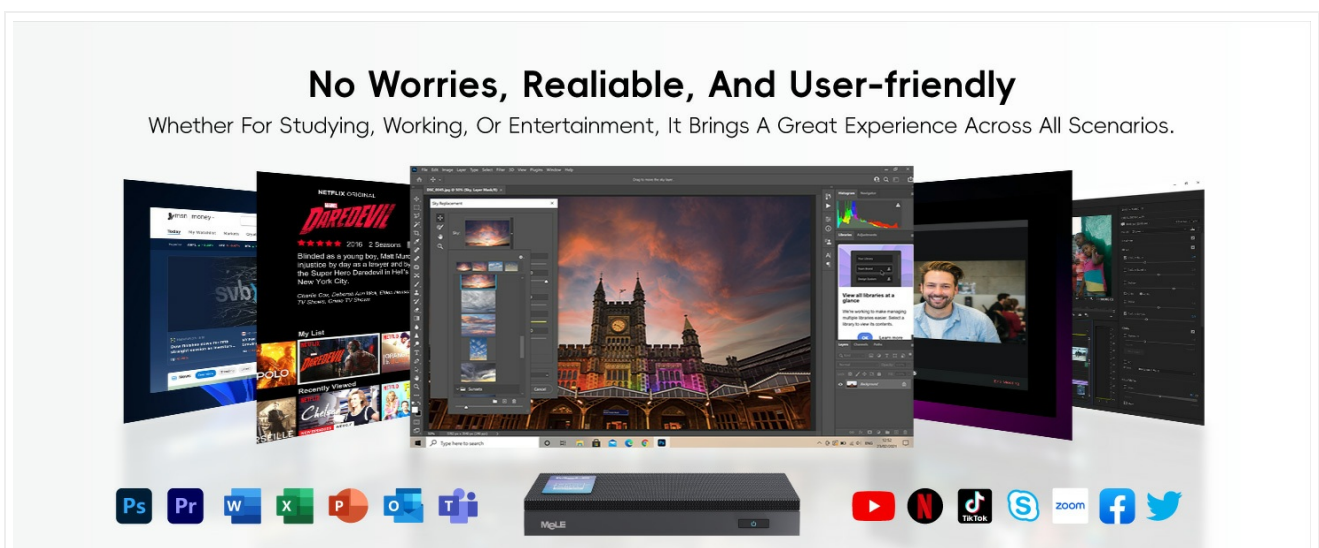


Image 6.1: Screenshot illustrating the BIOS customization options available on the MeLE Quietier 4C N150, including settings for Auto Power ON, Wake On LAN, and Network Stack Driver Support.

7. SPECIFICATIONS

Key technical specifications for the MeLE Quieter 4C N150 Mini PC:

Feature	Specification
Processor	Intel N150 (4 Cores, 4 Threads, 6MB Cache, up to 3.6GHz)
RAM	16 GB LPDDR5 4800 MHz
Internal Storage	512GB M.2 2280 SSD (PCIe x4)
Expandable Storage	Micro SD (up to 2TB), M.2 2280 SSD (up to 4TB, NVMe/SATA)
Graphics	Integrated Intel UHD Graphics (4K@60Hz)
Display Output	2x HDMI 2.0, 1x Full-Function USB-C (Triple 4K Display Support)
USB Ports	1x USB 2.0, 1x USB 3.2 Gen1 (5Gbps), 1x USB 3.2 Gen2 (10Gbps), 1x Full-Function USB-C
Network	Wi-Fi 5 (802.11ac), Bluetooth 5.1, Gigabit Ethernet
Operating System	Windows 11 (or OS as specified by variant)
Cooling	Fanless Passive Cooling
Power Input	12V/2A DC-in, USB-C PD3.0 (12V-20V, min 36W)
Dimensions	13.1 x 8.1 x 1.83 cm (5.2 x 3.2 x 0.7 inches)
Weight	203g (0.45 lbs)

Intel N150 Processor

Accessible High Performance, Making Daily Applications Effortless

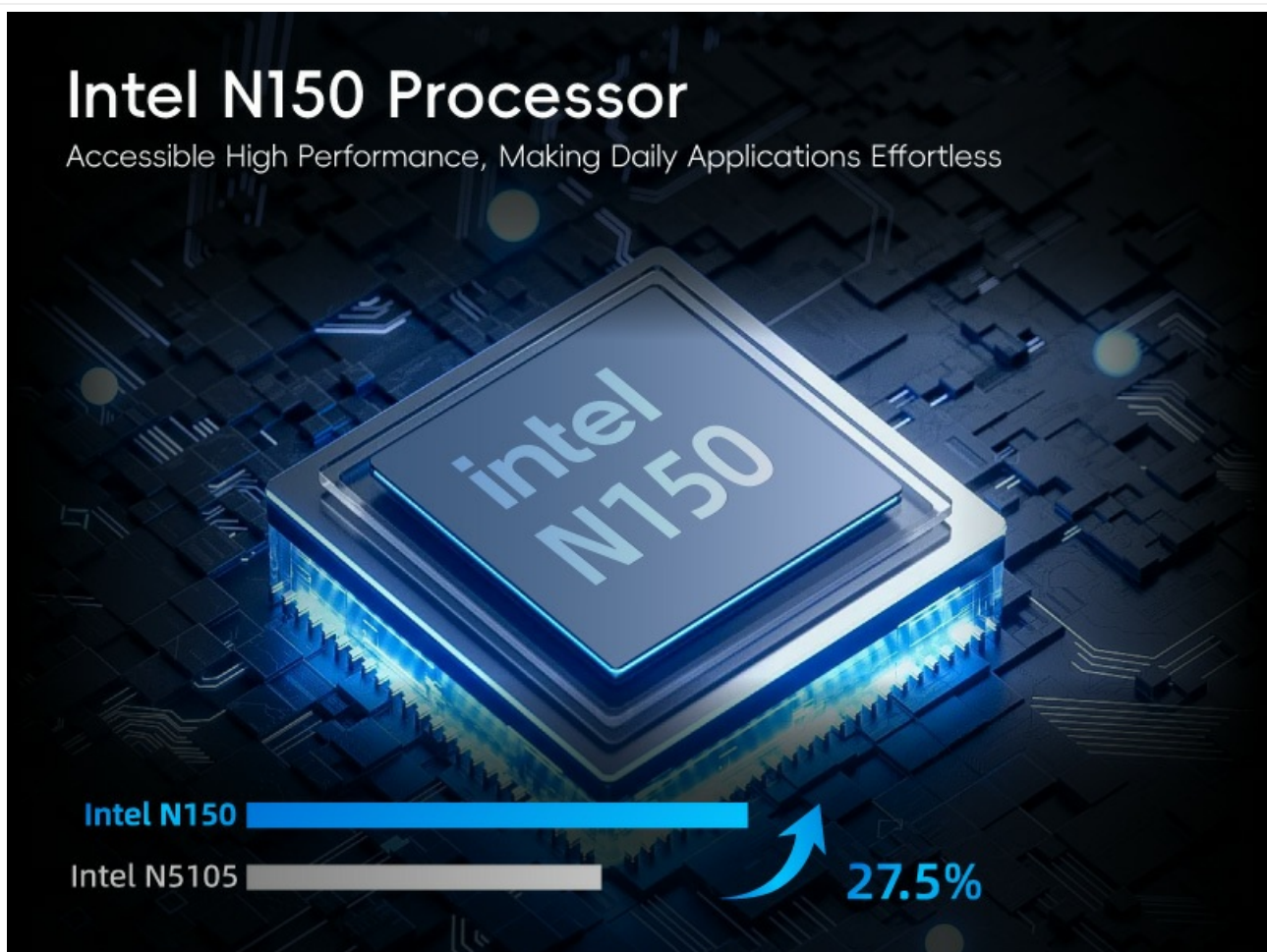


Image 7.1: An infographic detailing the hardware specifications and features of the MeLE Quieter 4C N150, including CPU, RAM, storage, and connectivity options.

8. WARRANTY AND SUPPORT

MeLE is committed to providing high-quality products and customer satisfaction.

- **Warranty:** The MeLE Quieter 4C N150 comes with a 12-month warranty.
- **Lifetime Service:** MeLE offers lifetime service for its mini PCs.
- **Contact Support:** For technical assistance, warranty claims, or any product-related inquiries, please contact MeLE customer service:
 - Email: service@mele.cn
 - Phone: +86-0755-8636 3200
- **Protection Plans:** Extended protection plans may be available for purchase separately.

Customization on the Unlock Bios

Support Auto Power ON, Wake On LAN, Network PXE/iPXE Boot, USB (UEFI) Boot, RTC Wake, Boot order, BIOS Reset/CMOS Reset, Disable Quiet Boot, Disable LAN/WiFi/BT/USB Ports

Power Limit 1=8W, Power Limit 2=10W



Image 8.1: An illustration depicting the rigorous testing processes and certifications that MeLE products undergo to ensure quality and reliability.

© 2025 MeLE. All rights reserved. MeLE and the MeLE logo are trademarks of Shenzhen MeLE Digital Technology Co., Ltd.