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MeLE Quieter4C N150

MeLE Quieter4C N150 Fanless Mini PC User Manual

Model: Quieter4C N150

1. INTRODUCTION

This manual provides essential information for setting up, operating, and maintaining your MeLE Quieter4C N150 Fanless Mini PC. Please read it thoroughly to ensure proper usage and to maximize the performance and longevity of your device.

2. WHAT'S IN THE BOX?

Verify that all items listed below are included in your package:

- 1x MeLE Quieter4C Mini PC
- 1x 12V/2A Power Adapter
- 1x VESA Mount
- 1x User Manual

Richer Interfaces Faster Transfer



Image: Contents of the MeLE Quieter4C N150 package.

Video: Unboxing the MeLE Quieter 4C Intel N150 Mini PC. This video demonstrates the contents of the product packaging and initial handling of the device.

3. PRODUCT OVERVIEW

The MeLE Quieter4C N150 is a compact, fanless mini PC designed for various applications. It features an Intel N150 processor, 16GB LPDDR5 RAM, and 512GB SSD, running Windows 11 Pro.

MeLE[®] Fanless Mini PC Quieter 4C

Rich I/O Interfaces



MUSE DESIGN AWARDS



1. USB 5Gbps
2. USB 10Gbps
3. USB 480Mbps
4. Kensington Lock Slot

5. USB-C (Power Input, USB 10Gbps, DP1.4)
6. Micro-SD (TF) Slot (60MB/s)



7. ϕ 3.5mm earphone & Mic
8. CMOS Clear/BIOS Reset Button
9. 2x HDMI 2.0 (4K@60Hz)
10. Power Input (12V/2A)
11. Gigabit Ethernet
12. Power Button

Image: Detailed view of the MeLE Quieter4C N150 Mini PC's I/O interfaces, including USB ports, HDMI, USB-C, Ethernet, and audio jack.

Video: MeLE Quieter4C Fanless Mini PC with Windows 11 Pro. This video highlights the key features and design of the mini PC.

4. SETUP

4.1 Connecting Peripherals

Connect your monitor(s), keyboard, and mouse to the appropriate ports on the mini PC. The device supports triple display output via two HDMI 2.0 ports and one full-function USB-C port.

4.2 Powering On

Connect the 12V/2A power adapter to the DC-in port on the mini PC. Press the power button located on the side of the device to turn it on. The power indicator light will illuminate.



Image: The MeLE Quieter4C N150 can be mounted on the back of a monitor using the included VESA bracket for a tidy workspace.

5. OPERATING SYSTEM

The MeLE Quieter4C N150 comes pre-installed with Windows 11 Pro. Upon first boot, follow the on-screen instructions to complete the initial Windows setup, including language, region, network connection, and user account creation.

5.1 Network Connectivity

- **Wi-Fi:** The device supports Wi-Fi 5 (802.11ac) dual-band 2.4G+5.0G. Connect to your preferred wireless network through Windows settings.
- **Bluetooth:** Bluetooth 5.1 is integrated for connecting wireless peripherals such as keyboards, mice, and audio devices.
- **Ethernet:** A Gigabit Ethernet (10/100/1000Mbps) port is available for a stable wired network connection.

5.2 BIOS Settings

The BIOS supports advanced features such as Auto Power On, PXE/iPXE Boot, RTC Wake, Wake on LAN, and BIOS/CMOS Reset. To access the BIOS, press the designated key (usually DEL or F2) during startup.

MeLE® Fanless Quieter 4C SPECS

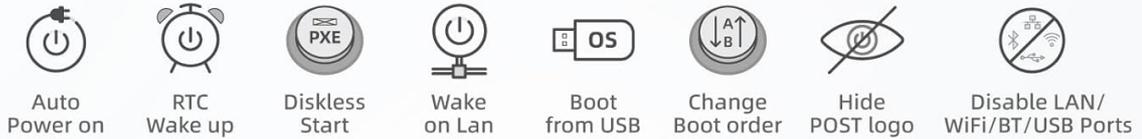


OS



Supports mainstream operating systems, as well as Linux distributions such as Debian/ Ubuntu/ CentOS/Fedora, etc.

BIOS



Hardware

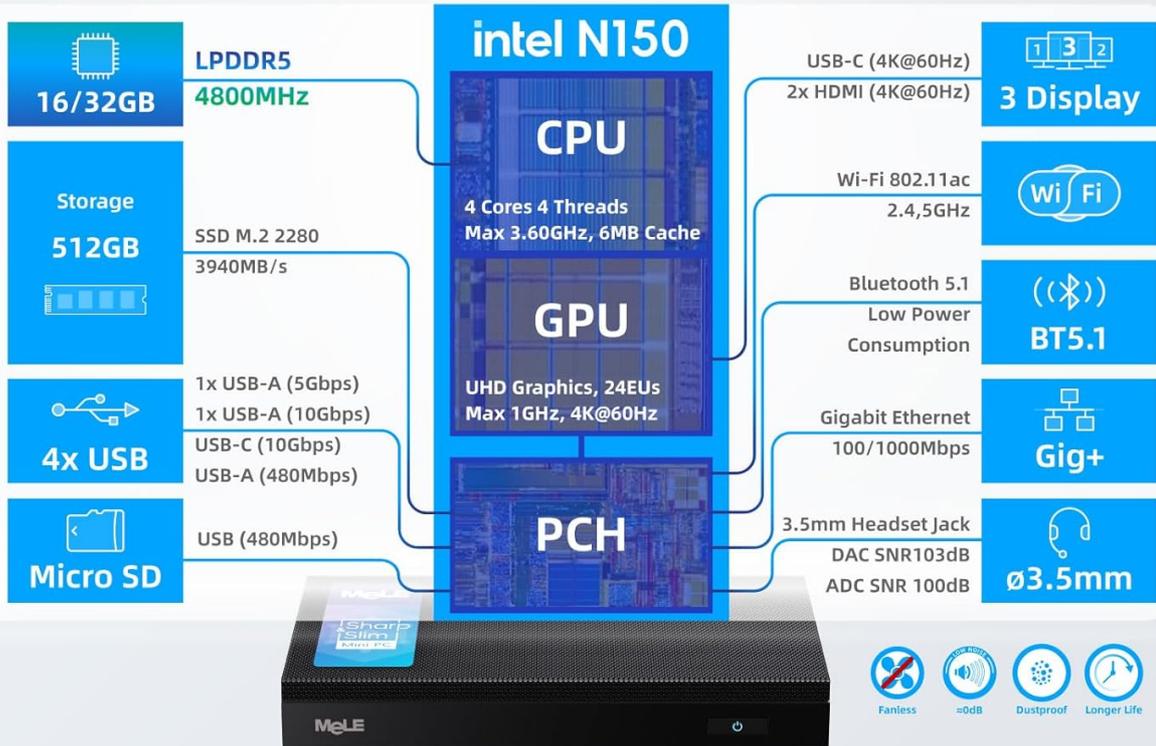


Image: Internal specifications and features of the MeLE Quieter4C N150, including BIOS options and hardware details.

6. STORAGE EXPANSION

The MeLE Quieter4C N150 includes a M.2 2280 slot for PCIe3.0*4, supporting NVMe SSDs up to 4TB and SATA SSDs up to 2TB. Additionally, it supports Micro SD cards up to 2TB for further storage expansion. (Note: SSD/Micro SD not included).

Large Expandable Storage

- Support NVMe SSD up to 4TB, and SATA SSD up to 2TB, M.2 2280 Slot for PCIe3.0 x4, max 3940MB/s.
- Support 1*Micro SD up to 2TB.

M.2 Slot
Theoretical data speed

M.2 PCIe3.0 x4	3940MB/s	MeLE
M.2 SATA SSD	600MB/s	

Warm Note: SSD/Micro SD need purchase separately.

Optional RAM and Storage:

RAM (single channel)	Storage
8GB	128GB eMMC
8GB	256GB SSD
16/32GB	512GB SSD

Image: Expandable storage options for the MeLE Quieter4C N150, detailing M.2 2280 slot compatibility for NVMe and SATA SSDs, and Micro SD support.

7. MAINTENANCE

7.1 Fanless Design

The Quieter4C features a fanless design, ensuring 0dB noise operation and reduced dust accumulation, contributing to a longer lifespan and a silent working environment. The advanced heat dissipation surface (32237mm²) is 2.6 times larger than a regular shell, effectively managing thermal performance.

MeLE[®] Fanless Mini PC Quieter 4C

No fan, No Noise, No Dust, Just Air.



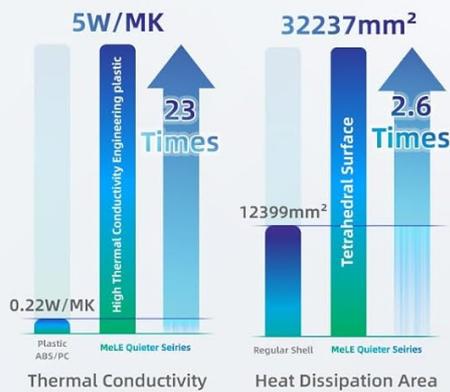
MUSE DESIGN AWARDS



2.6X



High Thermal Conductivity Engineering plastic, Innovation Design of the Heat Dissipation Surface as a Micro-tetrahedron Surface



Please note that the surface temperature will reach 55°C to 70°C, but it meets the safety standard of the IEC62368-1:2018. Please do not touch hot surface for a long time to avoid burns.

Heat Dissipation Surface Design in Accordance with IEC62368-1:2018

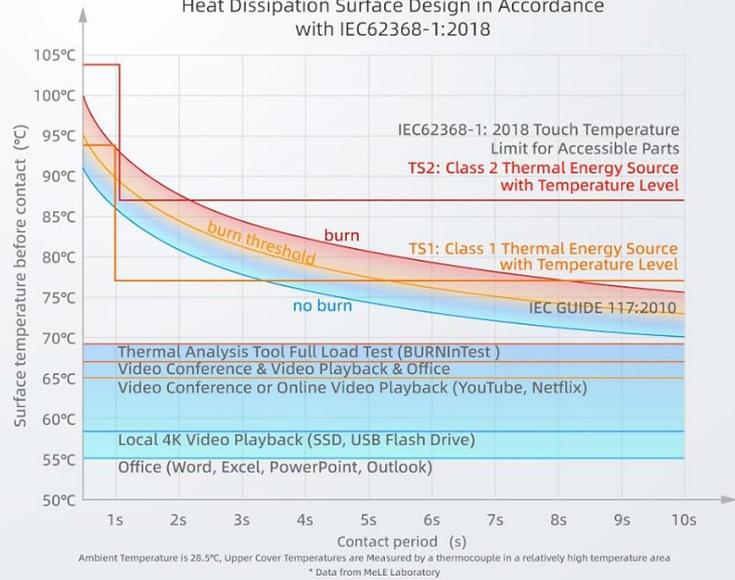


Image: Fanless design and heat dissipation mechanism of the MeLE Quieter4C N150, highlighting its silent operation and thermal efficiency.

7.2 Cleaning

To maintain optimal performance, periodically clean the exterior of the mini PC with a soft, dry cloth. Avoid using liquid cleaners or abrasive materials.

8. TROUBLESHOOTING

8.1 No Power

Ensure the power adapter is securely connected to both the mini PC and a working power outlet. Verify the power outlet is functional by plugging in another device.

8.2 No Display

Check all HDMI and USB-C display connections. Ensure your monitor is set to the correct input source. Try connecting to a different monitor or using a different cable to isolate the issue.

8.3 Network Connection Issues

For wired connections, ensure the Ethernet cable is properly connected. For Wi-Fi, check your router and ensure the Wi-Fi adapter is enabled in Windows settings. Restarting your router and the mini PC can often resolve connectivity problems.

9. SPECIFICATIONS

Feature	Specification
Processor	Intel N150 (up to 3.6GHz, 4 Cores, 4 Threads, 6MB L3 Smart Cache, 8W TDP)
RAM	16GB LPDDR5 (4800MHz)
Storage	512GB SSD (M.2 2280 slot for PCIe3.0*4, supports NVMe/SATA SSD up to 4TB, Micro SD up to 2TB)
Graphics	Intel UHD Graphics (4K UHD, HDR)
Display Output	2x HDMI 2.0 (4K@60Hz), 1x Full Function USB-C (4K@60Hz) - Supports Triple Display
Wireless Connectivity	Wi-Fi 5 (802.11ac Dual Band 2.4G+5.0G), Bluetooth 5.1
Wired Connectivity	1x Gigabit Ethernet (10/100/1000Mbps)
USB Ports	2x USB 3.2 (5Gbps/10Gbps), 1x USB 2.0, 1x Full Function USB-C (10Gbps, PD3.0)
Audio	1x 3.5mm Audio Jack
Operating System	Windows 11 Pro
Dimensions	5.2 x 3.2 x 0.7 inches (131 x 81 x 18.3 mm)
Weight	0.44 lbs (203g)

10. WARRANTY AND SUPPORT

MeLE offers a One Year Warranty for the Quieter4C N150 Mini PC. For customer service and technical support, please contact MeLE directly. Support inquiries are typically responded to within 24 hours.

- **Warranty Period:** 1 Year
- **Customer Service:** Replies within 24 hours
- **Free Replacement:** 3 Months
- **Lifetime Service:** Available
- **Service Contact:** Service@mele.cn

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