

[Manuals.plus](#) /

› [MeLE](#) /

› MeLE Quieter3C Fanless Mini PC N5105 User Manual

MeLE Quieter 3C N5105

MeLE Quieter3C Fanless Mini PC N5105 User Manual

Model: Quieter 3C N5105

1. INTRODUCTION

The MeLE Quieter3C Fanless Mini PC N5105 is a compact and silent computing solution designed for various applications, from home and office use to industrial and digital signage. Featuring an Intel N5100 processor, 16GB RAM, and 512GB storage, this mini PC offers robust performance in a small form factor. Its fanless design ensures quiet operation and dust resistance, making it ideal for environments where noise and dust are concerns. The device supports triple display output and versatile connectivity through its USB-C port and other interfaces.



Overview of the MeLE Quieter3C Fanless Mini PC N5105.

Ultra Slim and Portable

Size	Weight	Volume
5.2 x 3.2 x 0.7 inches 131 x 81 x 18.3 mm	0.44 Lb 203 g	11.6 in ³ 0.19 L



The compact and portable design of the MeLE Quieter3C Mini PC.

2. SETUP

2.1 What's in the Box

Upon unboxing your MeLE Quieter3C Mini PC, verify that all components are present:

- 1x Mini PC Quieter 3C F5E
- 1x Power Adapter 12V/2A
- 1x VESA Mount
- 1x User Manual



Contents included in the MeLE Quieter3C Mini PC package.

2.2 Connecting Peripherals

Connect your monitor(s), keyboard, mouse, and other devices to the available ports:

- **HDMI Ports:** Connect up to two displays using HDMI cables.
- **USB Ports:** Connect your keyboard, mouse, and other USB devices.
- **USB-C Port:** This versatile port supports data transfer, video output, and power input.
- **3.5mm Audio Jack:** For headphones or external speakers.
- **Gigabit Ethernet Port:** For wired network connectivity.

Richer Interfaces, Faster Transfer

1. Kensington Lock Slot
2. 2x USB 10Gbps
3. USB 5Gbps
4. USB Type-C (Power input, Data Transfer, DP1.4)
5. Micro-SD (TF) Slot (UP to 100MB/s)
6. ϕ 3.5mm earPhone and Mic
7. CMOS Clear/BIOS Reset Button
8. 2x HDMI 2.0 (4k 60Hz)
9. Power input (12V/2A)
10. Gigabit Ethernet port
11. Power Button



Detailed view of the rich I/O ports on the MeLE Quieter3C Mini PC.

2.3 Powering On

Connect the provided 12V/2A power adapter to the DC-in port. Alternatively, you can use a PD-enabled USB Type-C power source (ensure it provides over 24W for proper operation) to the designated USB-C port. Press the power button to turn on the device.

2.4 VESA Installation

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



Illustration of VESA mounting and desktop placement options for the Mini PC.

3. OPERATING INSTRUCTIONS

3.1 USB-C Functionality

The full-function USB Type-C port on the Quieter3C simplifies your setup by handling data transfer (USB3.2 Gen 1=5Gbps), 4K@60Hz video output, and power input (with PD3.0, 12V~18V) through a single connection. If your monitor does not support power output, a separate power charger will be required for the monitor.

Full Function USB-C

Power input, Transfer, Display at One USB C port



Data Transfer (USB 5Gbps)



Display (4K@60Hz)



Power Input (With PD3.0, 12V~18V)



Diagram illustrating the multi-functional capabilities of the USB-C port.

3.2 Triple Display Setup

The MeLE Quieter3C supports connecting up to three monitors simultaneously for an expanded workspace. Utilize the two HDMI ports and the full-function USB-C port for triple display output.

Support Triple 4K Display

Hook up to triple monitors/screens at the same time!



Example of a triple 4K display setup using the MeLE Quieter3C Mini PC.

3.3 Wireless Connectivity

The device features WiFi 5 (AC9560 module) for fast and stable wireless internet connections and Bluetooth 5.1 for connecting wireless peripherals such as keyboards, mice, and audio devices.

3.4 Storage Expansion

The MeLE Quieter3C comes with 16GB RAM and 512GB storage. You can expand the storage further:

- **Micro SD Card Slot:** Supports up to 1TB additional storage.
- **Internal M.2 SSD Slot:** Supports M key PCIe 3.0 x2 M.2 SSD NVMe 2280 up to 4TB (not compatible with SATA interface).

3.5 Power Management (Auto Power On)

The Mini PC supports an 'Auto Power On' feature, which can be configured in the BIOS settings. This allows the device to

automatically power on when power is supplied, useful for embedded applications or scheduled operations.

Your browser does not support the video tag.

Video: Instructions on how to set up the Auto Power On feature for the MeLE N5105 mini PC in the BIOS.

4. MAINTENANCE

4.1 Fanless Cooling Design

The MeLE Quieter3C utilizes a passive cooling system, eliminating the need for a fan. This design ensures silent operation and prevents dust accumulation, making it suitable for 24/7 operation in various environments. Due to the fanless design, the surface temperature of the mini PC may range from 55°C to 70°C during operation. This is normal and meets safety standards (IEC62368-1:2018).



Diagram illustrating the delicate thermal dissipation of the fanless design.

High-Speed LPDDR4X: Unleashing Enhanced Performance

MeLE : Brand New LPDDR4X up to 2933MHz
Others: refurbished DDR4 only 2133MHz or 1600MHz



 Lower Power Consumption

↓17%

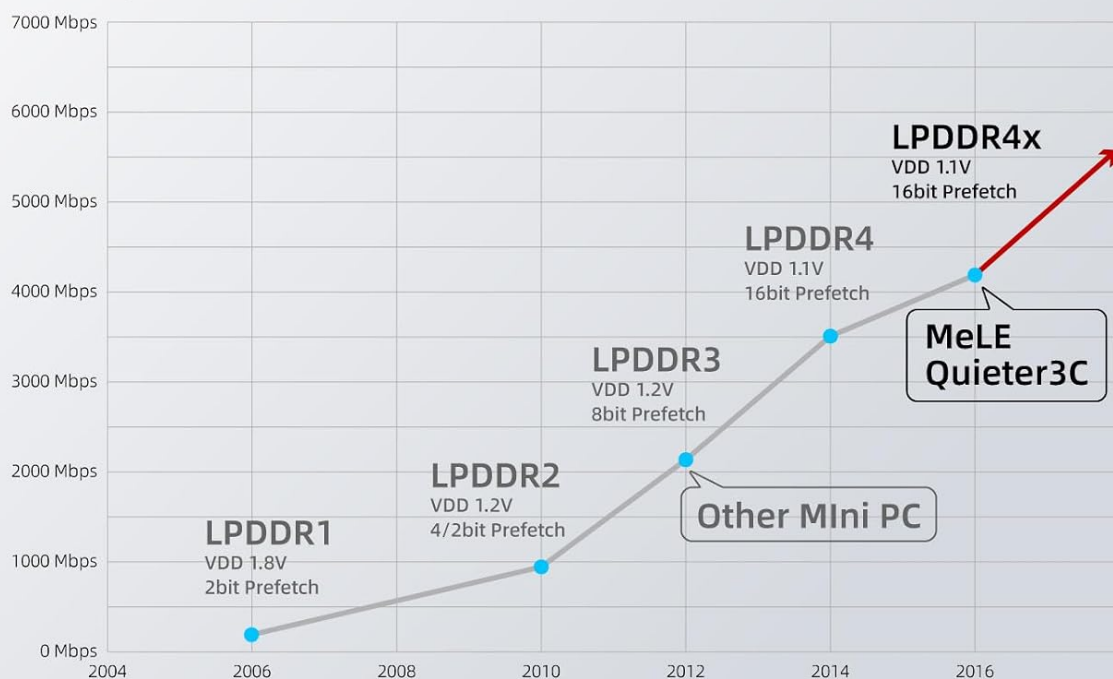


LPDDR4X



LPDDR4

Compared with LPDDR4



Exploded view showing the internal components and fanless structure of the MeLE Quieter3C.

5. TROUBLESHOOTING

5.1 BIOS Settings and Boot Options

If you need to modify boot options or restore BIOS settings, follow these instructions:

- To enter the BIOS setup, press the designated key (often F2 or DEL) during startup.
- To select a boot device (e.g., for OS installation from USB), press F7 continuously during startup.

Your browser does not support the video tag.

Video: Guide on how to set an SSD as the primary boot option in the BIOS.

Your browser does not support the video tag.

Video: Instructions for restoring BIOS settings to default on your MeLE Mini PC.

5.2 Operating System Installation

The MeLE Quieter3C supports various operating systems. Here are guides for installing Linux distributions:

- **Debian Installation:**

Your browser does not support the video tag.

Video: Detailed instructions for installing Linux Debian on the Mini PC.

- **Ubuntu Installation:**

Your browser does not support the video tag.

Video: Guide for installing Ubuntu 23.04 on MeLE mini PCs with N5105/N5095 CPUs.

Your browser does not support the video tag.

Video: General instruction for Ubuntu installation.

- **WSL2 (Linux on Windows) Installation:**

Your browser does not support the video tag.

Video: Tutorial on installing Linux on Windows using WSL2.

5.3 Driver Updates

Ensure your Bluetooth and Wi-Fi drivers are up to date for optimal performance. Refer to the following guide for Realtek 8852BE driver updates:

Your browser does not support the video tag.

Video: Guide on how to update Bluetooth and Wi-Fi drivers for Realtek 8852BE.

5.4 Network Recognition Issues

If the device fails to recognize your network when connected through a second Ethernet switch, try connecting directly to the primary router or modem to isolate the issue. Ensure all network cables are securely connected and network settings are correctly configured.

6. SPECIFICATIONS

Feature	Detail
Brand	MeLE
Model Name	Quieter 3C
CPU Model	Celeron N5105
CPU Speed	2.9 GHz

Feature	Detail
Processor Count	4
Memory Storage Capacity	16 GB
RAM Memory Technology	LPDDR4
Hard Disk Description	(256GB eMMC+ 256GB SSD)
Graphics Coprocessor	Intel UHD Graphics
Video Output Interface	HDMI (x2), USB-C
Display Resolution Maximum	4096x2160 pixels
Wireless Compatibility	Wi-Fi 5 (AC9560 module), Bluetooth 5.1
Total USB Ports	3 (USB 3.0) + 1 (USB-C)
Operating System	OS (Pre-installed Windows 11)
Power Consumption	15 watts
Item Dimensions	5.12 x 3.15 x 0.79 inches (131 x 81 x 18.3 mm)
Item Weight	203 g

7. WARRANTY AND SUPPORT

7.1 Warranty Information

MeLE provides a one-year warranty for the Quieter3C Mini PC, including a three-month replacement policy and lifetime service support.

7.2 Customer Support

For any inquiries or technical assistance, please contact MeLE customer service. Replies are typically provided within 24 hours.

Service Contact: Service@mele.cn

MeLE is a GPA partner of Microsoft and adheres to FCC, CE, UKCA, IC, and TELEC standards.

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