

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

> [MeLE](#) /

> [MeLE PCG02 Fanless Mini PC Stick Celeron N100 User Manual](#)

MeLE PCG02

MeLE PCG02 Fanless Mini PC Stick Celeron N100 User Manual

1. INTRODUCTION

This manual provides detailed instructions for the MeLE PCG02 Fanless Mini PC Stick, equipped with a 12th Gen Intel Celeron N100 processor, 4GB LPDDR4 RAM, and 128GB eMMC storage. It comes pre-installed with Windows 11 Home and supports Linux. Designed for business, office, IoT, and industrial applications, this micro desktop computer offers a quiet and stable computing environment.

2. WHAT'S IN THE BOX

Upon opening your MeLE PCG02 package, you will find the following items:

- 1x PCG02 N100 Mini PC Stick
- 1x Power Adapter (12V/2A)
- 1x HDMI Extender Cable (25cm)
- 1x VESA Mount Bracket
- 1x User Manual



Image: Contents of the MeLE PCG02 package, including the PC stick, power adapter, HDMI cable, VESA mount, and quick start guide.

Your browser does not support the video tag.

Video: An unboxing demonstration of the MeLE PCG02 N100 Stick PC, showing all components included in the package.

3. PRODUCT OVERVIEW: PORTS AND FEATURES

The MeLE PCG02 is designed with a range of ports for versatile connectivity:

- **Power Input (12V/2A):** USB Type-C port for power.
- **Gigabit Ethernet Port:** For stable wired network connection.
- **3.5mm Earphone & Mic Jack:** For audio input and output.
- **Wi-Fi Antenna:** External antenna for enhanced Wi-Fi signal.
- **Micro SD Card Slot:** Expandable storage up to 1TB.
- **HDMI 2.0 (4K@60Hz):** For video output to displays.
- **2x USB 10Gbps Ports:** For connecting peripherals.
- **USB-C 10Gbps Port (Full Function):** Supports power input, USB 10Gbps data transfer, and DisplayPort (DP1.4).
- **Power Button:** To turn the device on/off.
- **CMOS Clear/BIOS Reset Button:** For resetting BIOS settings.

- **VESA Hole:** For VESA mount installation.



Image: A visual representation of the MeLE PCG02's various input/output ports and their functions.

4. SETUP

4.1 Initial Connection

1. Connect the MeLE PCG02 directly to your monitor, TV, or projector via the HDMI 2.0 port.
2. Connect the power adapter to the USB-C power input port on the PC stick and then to a power outlet.
3. Press the power button to turn on the device.
4. Follow the on-screen instructions for initial Windows 11 Home setup.

4.2 VESA Mount Installation

The included VESA mount bracket allows you to attach the PCG02 to the back of a compatible monitor, saving desk space and maintaining a tidy workspace.

1. Align the VESA mount bracket with the VESA mounting holes on the back of your monitor.
2. Secure the bracket to the monitor using the provided screws.
3. Slide the MeLE PCG02 into the bracket until it clicks securely into place.



Image: The MeLE PCG02 Mini PC Stick neatly mounted on the rear of a monitor using the VESA bracket, illustrating a clean setup.

Your browser does not support the video tag.

Video: A step-by-step guide on how to install the VESA-mounted bracket for the MeLE PCG02 Mini PC.

5. OPERATING INSTRUCTIONS

5.1 Connecting Peripherals

- **USB Devices:** Connect keyboards, mice, external drives, or other USB devices to the available USB 10Gbps ports.
- **Wireless Connectivity:** The PCG02 supports 2.4G/5GHz AC Dual Band Wi-Fi and Bluetooth 5.1. Connect to wireless networks and Bluetooth peripherals like keyboards, mice, and headphones through Windows

settings.

- **Ethernet:** For a stable internet connection, plug an Ethernet cable into the Gigabit Ethernet port.

5.2 BIOS Settings

The PCG02 offers advanced BIOS features for commercial and specialized applications:

- **Auto Power On:** Configure the device to automatically power on when electricity is supplied.
- **Wake on LAN (WoL):** Enable the device to be woken up remotely over a network.
- **PXE Boot:** Allows the device to boot from a network server.
- **RTC Wake:** Schedule the device to wake up at a specific time.

To access BIOS settings, power on the device and repeatedly press the **DEL** key or **F7** for the boot menu.

Your browser does not support the video tag.

Video: Instructions on how to enable the Auto Power On feature within the BIOS settings of the MeLE Mini PC.

6. MAINTENANCE

The MeLE PCG02 features a fanless design, which contributes to its quiet operation and reduced dust accumulation. This design helps maintain a stable computing environment and supports 24/7 operation.

6.1 Thermal Considerations

While fanless, the device is engineered with high thermal conductivity plastic and an innovative heat dissipation surface. Under normal operating conditions (e.g., office tasks, 4K video playback), the surface temperature remains within safe limits (55°C to 70°C), meeting IEC62368-1:2018 safety standards. Avoid touching the hot surface during prolonged use to prevent burns.



Image: Diagram illustrating the fanless design, thermal conductivity, and heat dissipation area of the MeLE PCG02, along with a temperature performance chart.

7. TROUBLESHOOTING

If you encounter issues with your MeLE PCG02, consider the following common solutions:

- **No Display:** Ensure the HDMI cable is securely connected to both the PC stick and the display. Verify the display input source is set correctly. Try a different HDMI port or cable.
- **No Power:** Check that the power adapter is correctly connected to the PC stick and a working power outlet. Ensure the power button is pressed.
- **Slow Performance:** Close unnecessary applications. Check for background updates. Ensure sufficient free storage space.
- **Wi-Fi/Bluetooth Issues:** Verify that Wi-Fi and Bluetooth are enabled in Windows settings. Ensure the external antenna is properly attached. Try restarting the device.
- **BIOS Reset:** If you experience boot issues or incorrect settings, use the CMOS Clear/BIOS Reset button to

restore default BIOS settings.

For further assistance, refer to the official MeLE support channels.

8. SPECIFICATIONS

Feature	Detail
Processor	Intel Celeron N100 (0.8GHz to 3.4GHz) Quad-Core
RAM	4 GB LPDDR4X
Storage	128 GB eMMC
Graphics	Intel UHD Graphics
Operating System	Windows 11 Home (64-bit), supports Linux/Ubuntu
Wi-Fi	2.4G/5GHz AC Dual Band Wi-Fi (Wi-Fi5)
Bluetooth	Bluetooth 5.1
Ethernet	Gigabit Ethernet Port
Video Output	HDMI 2.0 (4K@60Hz)
USB Ports	2x USB-A 10Gbps, 1x USB-C 10Gbps (Power input, USB 10Gbps, DP1.4)
Audio	3.5mm Earphone & Mic Jack
Dimensions	Approximately 5.1 x 2.0 x 0.52 inches (140x59x18.5mm)
Weight	Approximately 0.26 lb (120g)
Special Features	Fanless Design, Kensington Security Lock Slot, Wake on LAN, PXE, Auto Power On, RTC Wake



Image: A comparison table highlighting the specifications of the MeLE PCG02 N100 against other models.

9. WARRANTY AND SUPPORT

9.1 Warranty Information

MeLE offers a One Year Warranty for the PCG02 Mini PC Stick. This warranty covers manufacturing defects and ensures product reliability.

9.2 Customer Service

For any inquiries or support needs, MeLE provides responsive customer service, with replies typically within 24 hours. MeLE is committed to protecting customer privacy and complies with all applicable laws on privacy protection and personal data security.

9.3 Compliance

MeLE is a GPA partner of Microsoft, and its manufacturing processes adhere to international standards including FCC, CE, UKCA, IC, and TELEC certifications.