**MeLE PCG02**

# MeLE Fanless Mini PC Stick PCG02 N100 User Manual

## 1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your MeLE Fanless Mini PC Stick PCG02 N100. Please read this manual thoroughly before using the device to ensure optimal performance and longevity.

## 2. PACKAGE CONTENTS

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

- MeLE PCG02 N100 Mini PC Stick
- Power Adapter (12V/2A)
- HDMI Cable
- Quick Start Guide
- VESA Mount Bracket
- Screws for VESA Mount

# Windows 11 Pro Pre-installed

Support Windows 11 Pro, also support Windows 10 Pro, Windows 10/ 11 Home, Linux, Ubuntu, Debian.



Image: The MeLE PCG02 N100 Mini PC Stick shown with its included accessories, including the power adapter, HDMI cable, VESA mount bracket, and screws.

Your browser does not support the video tag.

Video: This video demonstrates the unboxing process of the MeLE PCG02 N100 Stick PC, showcasing all components included in the package.

## 3. PRODUCT OVERVIEW

The MeLE PCG02 N100 is a compact, fanless mini PC stick designed for various applications, from home office to industrial IoT. It features a robust set of ports and a passive cooling system for silent operation.

### 3.1. Device Layout and Ports

# MeLE® Fanless PC Stick PCG02 N100 Series

# Rich I/O Interfaces



1. Power Input (12V/2A)
2. Gigabit Ethernet Port
3. φ3.5mm earphone & Mic
4. WiFi Antenna
5. Micro SD Card Slot
6. HDMI 2.0 (4K@60Hz)

7. 2x USB 10Gbps
8. Power Button
* New I/O Interface
9. CMOS Clear/BIOS Reset Button
10. VESA Hole
11. USB-C (Power input, USB10Gbps, DP)

**PD Enabled**
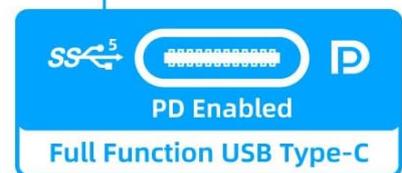**Full Function USB Type-C**

Image: Detailed view of the MeLE PCG02 N100 Mini PC Stick, highlighting its various input/output interfaces including USB ports, Ethernet, HDMI, and power input.

- **Power Input (12V/2A):** USB Type-C port for power supply.
- **Gigabit Ethernet Port:** For stable wired network connectivity.
- **3.5mm Earphone & Mic Jack:** For audio output and microphone input.
- **WiFi Antenna:** External antenna for enhanced wireless connectivity.
- **Micro SD Card Slot:** Supports storage expansion up to 1TB.
- **HDMI 2.0 (4K@60Hz):** For video output to displays.
- **USB 10Gbps Ports (x2):** High-speed USB-A ports for peripherals.
- **Power Button:** To turn the device on/off.
- **CMOS Clear/BIOS Reset Button:** For resetting BIOS settings.
- **VESA Hole:** For VESA mount bracket installation.
- **USB-C (Power input, USB 10Gbps, DP):** Multi-functional USB-C port.

## 4. SETUP

## 4.1. Initial Connection

1. Connect the HDMI cable from the PC Stick to your monitor or TV.
2. Connect the power adapter to the PC Stick's power input (USB-C) and then to a power outlet.
3. Connect your keyboard and mouse to the available USB ports.
4. Press the power button to turn on the device.

## 4.2. VESA Mount Installation

The included VESA mount bracket allows you to attach the PC Stick to the back of a compatible monitor, saving desk space and creating a tidy setup.

1. Locate the VESA mounting holes on the back of your monitor.
2. Secure the VESA mount bracket to the monitor using the provided screws.
3. Slide the MeLE PCG02 N100 Mini PC Stick into the bracket until it clicks securely into place.

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Video: This video provides a step-by-step guide on how to install the VESA-mounted bracket for the MeLE Mini PC, demonstrating how to attach it to a monitor.

# 5. OPERATING THE PC STICK

## 5.1. Basic Usage

Once powered on, the MeLE PCG02 N100 will boot into Windows 11 Pro. You can perform various tasks such as web browsing, document editing, and online video streaming.

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Video: This video demonstrates the MeLE PC Stick in various usage scenarios, including web browsing, document editing, and online video streaming, showcasing its performance for daily tasks.

## 5.2. Enabling Auto Power On

The device supports an Auto Power On feature, which can be enabled through the BIOS settings. This allows the PC Stick to automatically power on when power is supplied.

1. Turn on your mini PC and press **F7** (or **Delete**) repeatedly to enter the boot menu or BIOS setup.
2. Navigate to the **Advanced** tab.
3. Select **Customer Exclusive Functions**.
4. Find **Auto Power On** and change its setting to **Enabled**.
5. Go to the **Save & Exit** tab, select **Save Changes and Exit**, and confirm with **Yes**.

Your browser does not support the video tag.">

Video: This video provides instructions on how to enable the Auto Power On feature in the BIOS settings of the MeLE Mini PC, detailing the steps to navigate the BIOS menu.

# 6. MAINTENANCE

The MeLE PCG02 N100 features a fanless design, which contributes to silent operation and dust resistance. This design minimizes maintenance requirements.

- **Cleaning:** Regularly wipe the device with a soft, dry cloth to remove dust. Avoid using liquid cleaners directly

on the device.

- **Temperature:** Due to its fanless design, the surface temperature of the device may range from 55°C to 70°C during operation. This is normal and meets safety standards (IEC62368-1:2018). Avoid touching the surface for prolonged periods to prevent discomfort.
- **Ventilation:** Ensure the device is placed in an area with adequate airflow to facilitate passive cooling.

## 7. TROUBLESHOOTING

If you encounter issues with your MeLE PCG02 N100, refer to the following common solutions:

- **No Power:** Ensure the power adapter is securely connected to both the device and a working power outlet. Try a different power outlet if necessary.
- **No Display:** Verify that the HDMI cable is firmly connected to both the PC Stick and the monitor. Ensure the monitor is set to the correct input source.
- **Device Unresponsive:** If the device becomes unresponsive, press and hold the power button for 5-10 seconds to force a shutdown, then restart.
- **BIOS Reset:** If you experience issues after changing BIOS settings, use the CMOS Clear/BIOS Reset Button (a small pinhole button) to restore default settings.
- **Network Connectivity Issues:** Check Ethernet cable connections or ensure the WiFi antenna is properly attached and within range of your wireless network.

## 8. SPECIFICATIONS

| Feature | Detail |
|---|---|
| Processor | Intel Celeron N100 (0.8GHz to 3.4GHz) Quad-Core |
| RAM | 8GB LPDDR4 |
| Storage | 128GB eMMC (Expandable via Micro SD up to 1TB) |
| Operating System | Windows 11 Pro (also supports Linux, Ubuntu) |
| Graphics | Intel UHD Graphics |
| Video Output | HDMI 2.0 (4K@60Hz), USB-C (DP) |
| USB Ports | 2x USB-A 10Gbps, 1x USB-C 10Gbps (Full Functional) |
| Network | Gigabit Ethernet, 2.4G/5GHz AC Dual Band WiFi |
| Bluetooth | Bluetooth 4.2 |
| Audio | 3.5mm Audio Jack |
| Special Features | Fanless Design, Kensington Lock Slot, Wake on LAN, PXE, Auto Power On, RTC Wake |
| Dimensions | 6.61 x 3.39 x 2.52 inches (Package) |
| Weight | 14.4 ounces |

## 9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the official MeLE website or contact their customer service directly. Keep your purchase receipt for warranty claims.