AWOW AK10

AWOW AK10 Pro Mini PC N100 User Manual

Model: AK10 Pro | Brand: AWOW

1. INTRODUCTION

Thank you for choosing the AWOW AK10 Pro Mini PC N100. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your new device. Please read this manual thoroughly before use to ensure optimal performance and longevity of your Mini PC.

Image 1.1: The AWOW AK10 Pro Mini PC, showcasing its compact design alongside a smartphone for scale. Key features like Intel N100 processor, 8GB DDR4 memory, 256GB SSD, WiFi 5, Windows 11 Pro, Bluetooth 5.0, and RJ45 LAN are highlighted.

2. SETUP GUIDE

2.1 Package Contents

- AWOW AK10 Pro Mini PC
- Power Adapter
- HDMI Cable
- SATA Cable (for 2.5" HDD/SSD expansion)
- Screw Pack (for 2.5" HDD/SSD installation)
- Quick Guide

2.2 Connecting Your Mini PC

Follow these steps to connect your AWOW AK10 Pro Mini PC:

1. **Connect Display:** Use the provided HDMI cable to connect your monitor or TV to the HDMI port on the Mini PC. For dual display, use the DisplayPort (DP) as well.

2. **Connect Peripherals:** Plug in your USB keyboard and mouse into the available USB 3.2 or USB 2.0 ports.

3. **Connect Power:** Connect the power adapter to the DC 12V port on the Mini PC, then plug the adapter into a power outlet.

4. **Network Connection (Optional):** For a wired connection, connect an Ethernet cable to the RJ45 LAN port. For wireless, the device supports 802.11ac dual-band Wi-Fi.

5. **Power On:** Press the power button located on the front of the Mini PC.
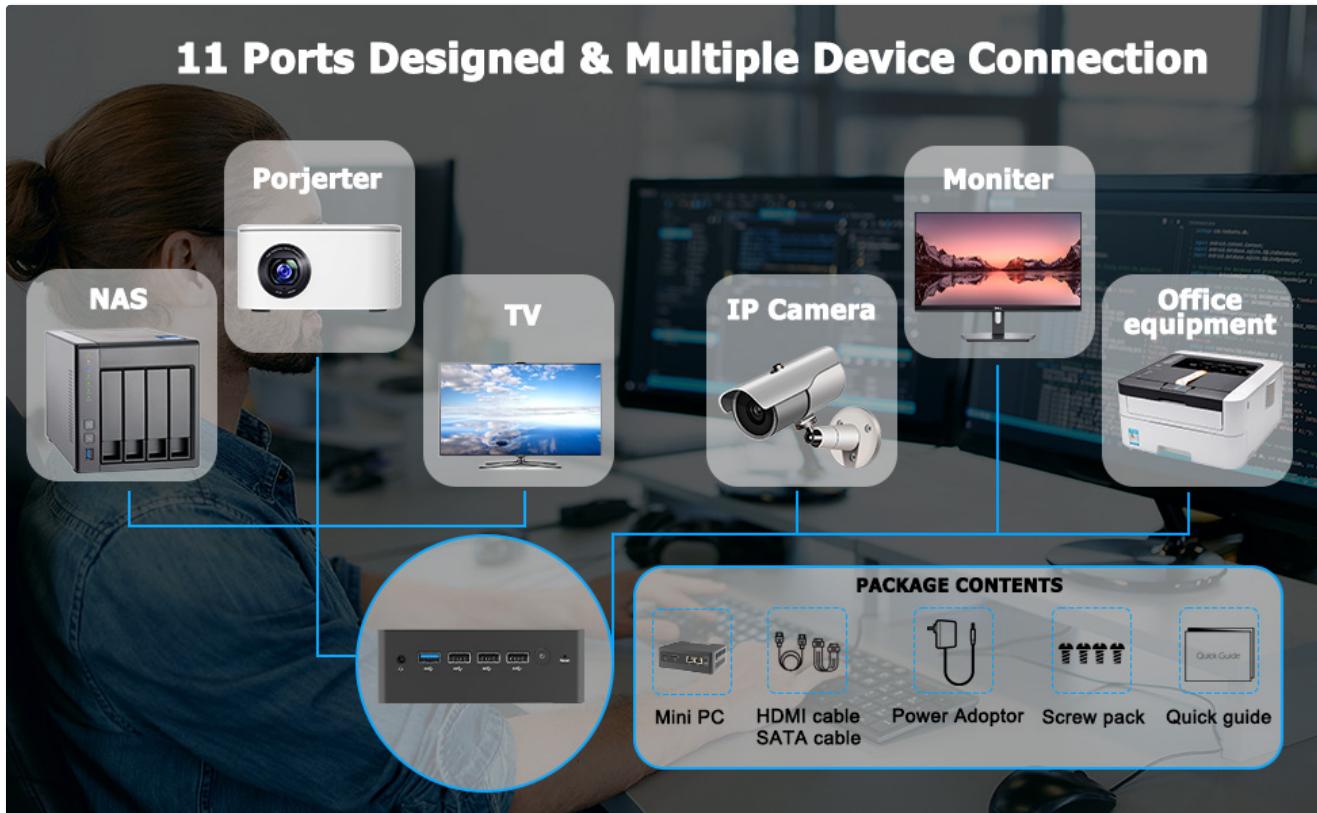

Image 2.1: Detailed diagram illustrating the various ports on the AWOW AK10 Pro Mini PC. The front panel includes USB 3.2 ports (x2), 2-in-1 Audio jack, Power Button, and CMOS CLR. The rear panel features DC 12V power input, RJ45 LAN, HDMI, DP, and USB 2.0 ports (x2).

2.3 Initial Boot and Windows 11 Pro Setup

The Mini PC comes pre-installed with Windows 11 Pro. Upon first boot, you will be guided through the initial Windows setup process, including language selection, network configuration, and user account creation. Follow the on-screen instructions to complete the setup.

3. OPERATING INSTRUCTIONS

3.1 Basic Usage

The AWOW AK10 Pro Mini PC is designed for versatile use, including office work, 4K video playback, online education, and home entertainment. Its Intel Alder Lake-N100 processor provides efficient multitasking capabilities.

Image 3.1: The AWOW Mini PC in various application scenarios: office work, home theater, business meetings, and security monitoring, demonstrating its versatility.

3.2 Dual Display Functionality

The Mini PC supports dual 4K@60Hz displays via its HDMI and DisplayPort (DP) outputs. This allows for enhanced productivity and an immersive viewing experience. To configure dual displays:

1. Connect both monitors to the HDMI and DP ports.
2. Right-click on the desktop and select 'Display settings'.
3. From here, you can arrange your displays, choose display modes (extend, duplicate, or second screen only), and adjust resolution.
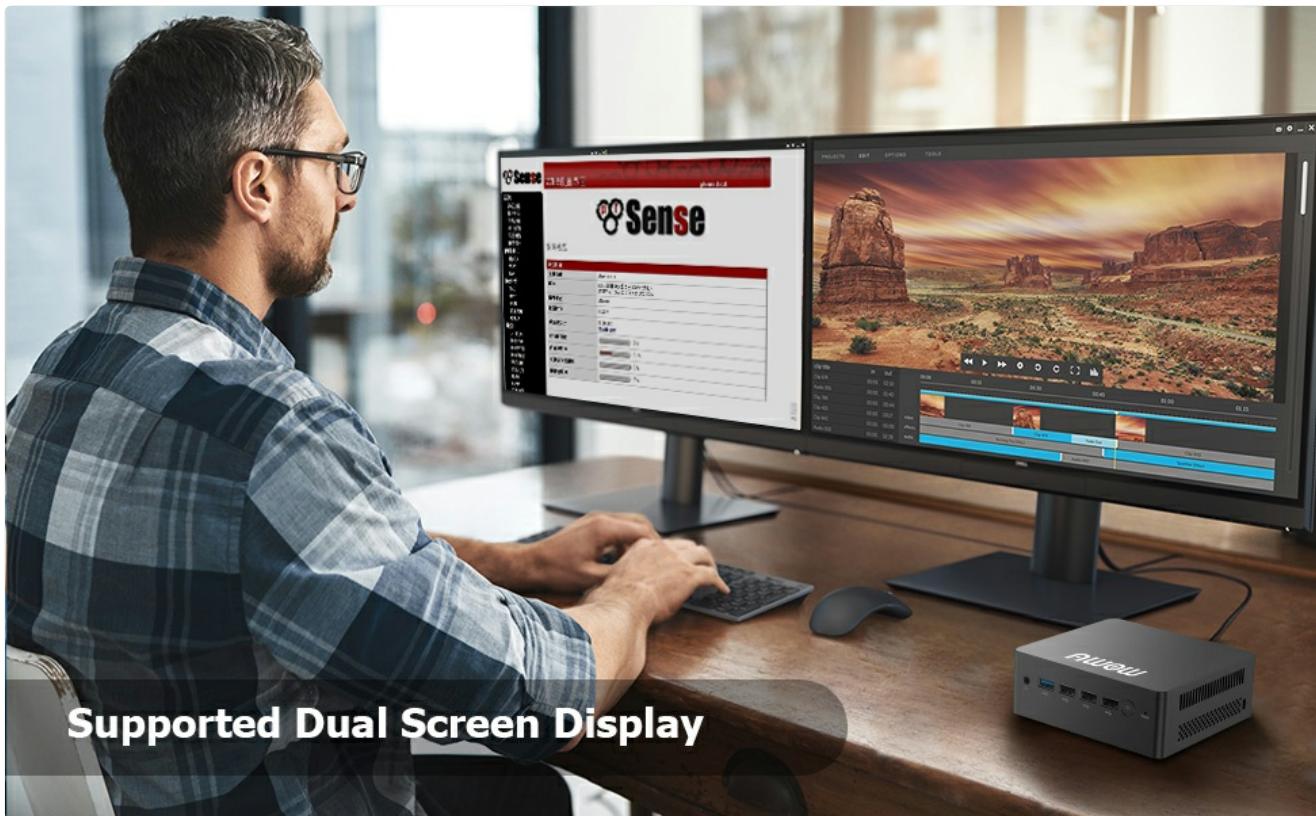
Image 3.2: A user efficiently working with the AWOW Mini PC connected to two external monitors, highlighting its dual display support for enhanced productivity.

3.3 Storage Expansion

The Mini PC comes with a 256GB M.2 SSD. You can expand the storage in two ways:

- **M.2 SSD Upgrade:** The existing M.2 SSD can be upgraded to a maximum of 2TB.
- **2.5" SATA HDD/SSD:** You can add a 2.5-inch 7mm SATA HDD or SSD (not included) for additional storage. Use the provided SATA cable and screws for installation.

4. MAINTENANCE

4.1 General Care

- Keep the Mini PC in a clean, dry environment, away from direct sunlight and excessive heat.
- Avoid placing heavy objects on top of the device.
- Do not expose the device to water or other liquids.
- Clean the exterior with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.

4.2 Cooling System

The AWOW AK10 Pro Mini PC features an internal cooling fan to maintain optimal operating temperatures. Ensure that the ventilation openings on the device are not blocked to allow for proper airflow. Regularly check for dust accumulation and gently clean the vents if necessary.

Image 4.1: An internal view of the Mini PC's cooling system, showing the fan and heat sink designed to dissipate heat and maintain stable performance.

5. TROUBLESHOOTING

If you encounter issues with your AWOW AK10 Pro Mini PC, refer to the following common troubleshooting steps:

- **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.

- **No Display:**

    - Check that the HDMI/DP cable is firmly connected to both the Mini PC and the monitor.
    - Ensure the monitor is powered on and set to the correct input source (HDMI/DP).
    - Try a different HDMI/DP cable or monitor if possible.

- **No Internet Connection:**

    - **Wired:** Check the Ethernet cable connection and your router/modem status.
    - **Wireless:** Ensure Wi-Fi is enabled in Windows settings and you are connected to the correct network with the correct password.

- **Slow Performance:**

    - Close unnecessary applications running in the background.
    - Ensure Windows is up to date.
    - Check for malware or viruses.
    - Ensure adequate ventilation to prevent overheating.

- **CMOS Reset:** If you experience boot issues or incorrect BIOS settings, use the CMOS CLR button (a small pinhole button usually next to the power button) to reset the BIOS to default settings. You may need a paperclip to press it.

If these steps do not resolve your issue, please contact AWOW customer support for further assistance.

6. SPECIFICATIONS

Below are the detailed technical specifications for the AWOW AK10 Pro Mini PC N100:

Gen12 Intel Processor® N100
Quad Core 3.40GHz

| 3.40GHz CPU | Intel 7 Processor Technology | 4K@60Hz UHD Graphics | 8 GB DDR4 Memory Memory |

CPU MARK RATING

| Intel Processor N100 | 4166 | ↑40% |
Intel Celeron N5095	3005	↑60%
Intel Celeron N4000	1882	↑66%
Intel Celeron N3350	1127	
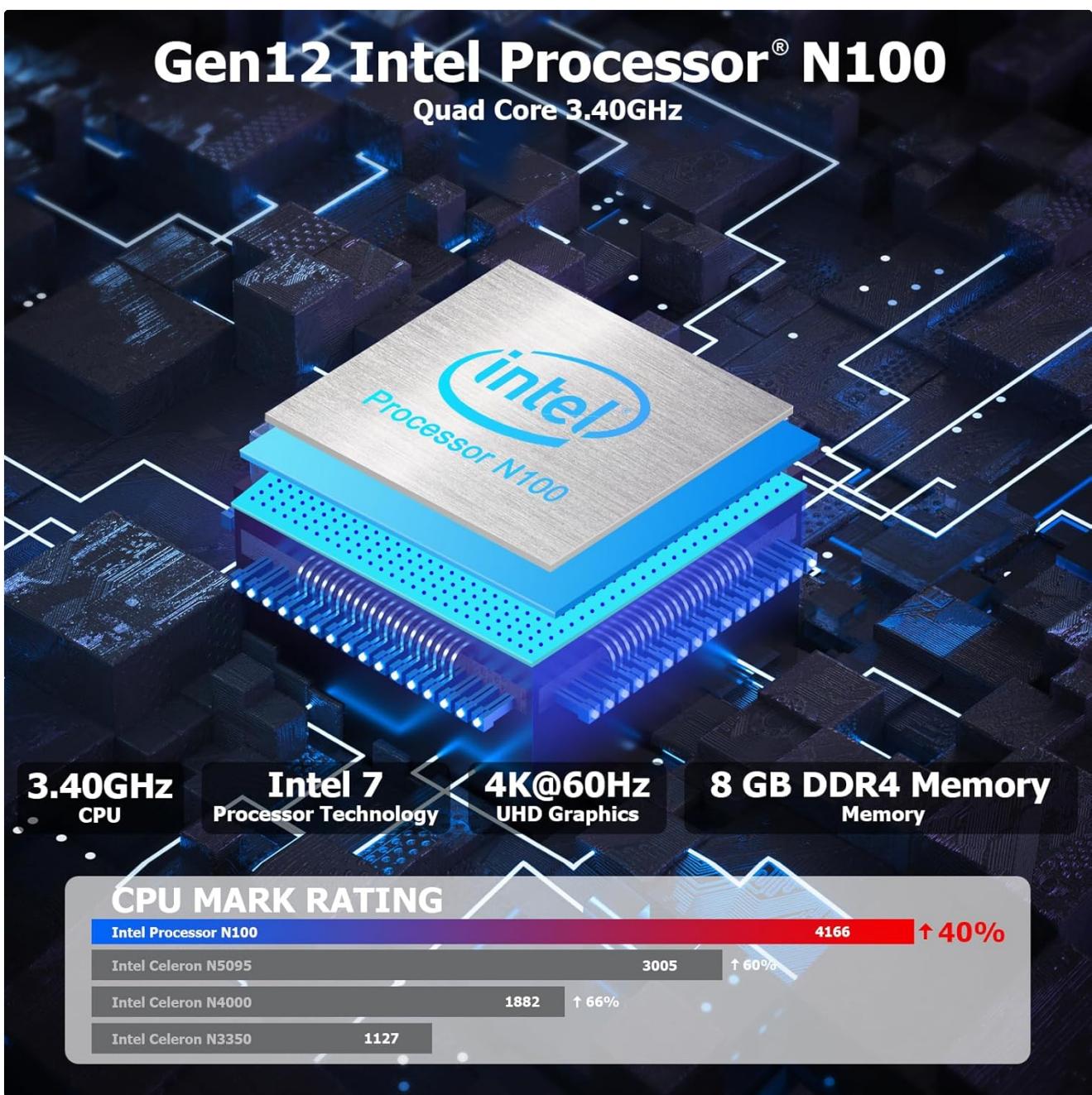
Image 6.1: An illustration detailing the Intel Gen12 N100 processor, its 3.40GHz quad-core speed, Intel 7 lithography, 4K@60Hz UHD Graphics, and 8GB DDR4 memory. A CPU Mark Rating comparison shows the N100 outperforming N5095, N4000, and N3350 processors.

Feature	Specification
Brand	AWOW
Model Series	AK10
Processor	Intel Alder Lake-N100 (12th Gen, 4 Cores/4 Threads, up to 3.4 GHz)
Graphics Coprocessor	Intel UHD Graphics (up to 750 MHz)
RAM	8 GB DDR4 (4800 MHz)
Storage	256 GB M.2 SSD (Expandable up to 2TB)
Storage Expansion	Supports 2.5-inch 7mm SATA HDD/SSD (not included)
Operating System	Windows 11 Pro

Feature	Specification
Display Output	1x HDMI, 1x DisplayPort (DP) - Supports Dual 4K@60Hz Displays
Wireless Connectivity	Wi-Fi 802.11ac (Dual Band 2.4GHz & 5GHz), Bluetooth 5.2
Wired Connectivity	Gigabit Ethernet (RJ45)
USB Ports	2x USB 3.2, 2x USB 2.0
Audio	2-in-1 Audio Jack
Dimensions	12.7 x 5.08 x 15.24 cm (5 x 2 x 6 inches)
Weight	771.11 g (1.7 lbs)

7. WARRANTY AND SUPPORT

7.1 Warranty Information

AWOW provides after-sales service for its products. Please refer to the warranty card included with your product for specific warranty terms and conditions. Keep your proof of purchase for warranty claims.

7.2 Technical Support

For technical assistance, AWOW offers local customer service during business hours (9:00 am to 5:00 pm EST) and 24/7 technical support from experienced IT experts. They can assist with technical issues and provide customized pre-sales OEM services.

For support, please visit the official AWOW website or refer to the contact information provided in your product packaging.