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› [AWOW AK41 Mini PC User Manual: Windows 11 Pro, Intel Celeron J4125, 8GB DDR4, 128GB SSD](#)

AWOW AK41

AWOW AK41 Mini PC User Manual

Model: AK41 | Brand: AWOW



1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your AWOW AK41 Mini PC. The AK41 is a compact and powerful desktop computer featuring an Intel Celeron J4125 processor, 8GB DDR4 RAM, and a 128GB NVMe M.2 SSD, pre-installed with Windows 11 Pro. It is designed for various applications including office work, home theater, study, and security monitoring.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- AWOW AK41 Mini PC
- Power Adapter
- HDMI Cable
- Mounting Bracket with Screws (for VESA mounting)
- User Manual



Image 2.1: AWOW AK41 Mini PC with included accessories.

3. PRODUCT OVERVIEW

The AWOW AK41 Mini PC is engineered for efficiency and versatility. Below is an overview of its key components and ports.

3.1 Front and Side Panel

More Interface Meets Your Multiple Needs

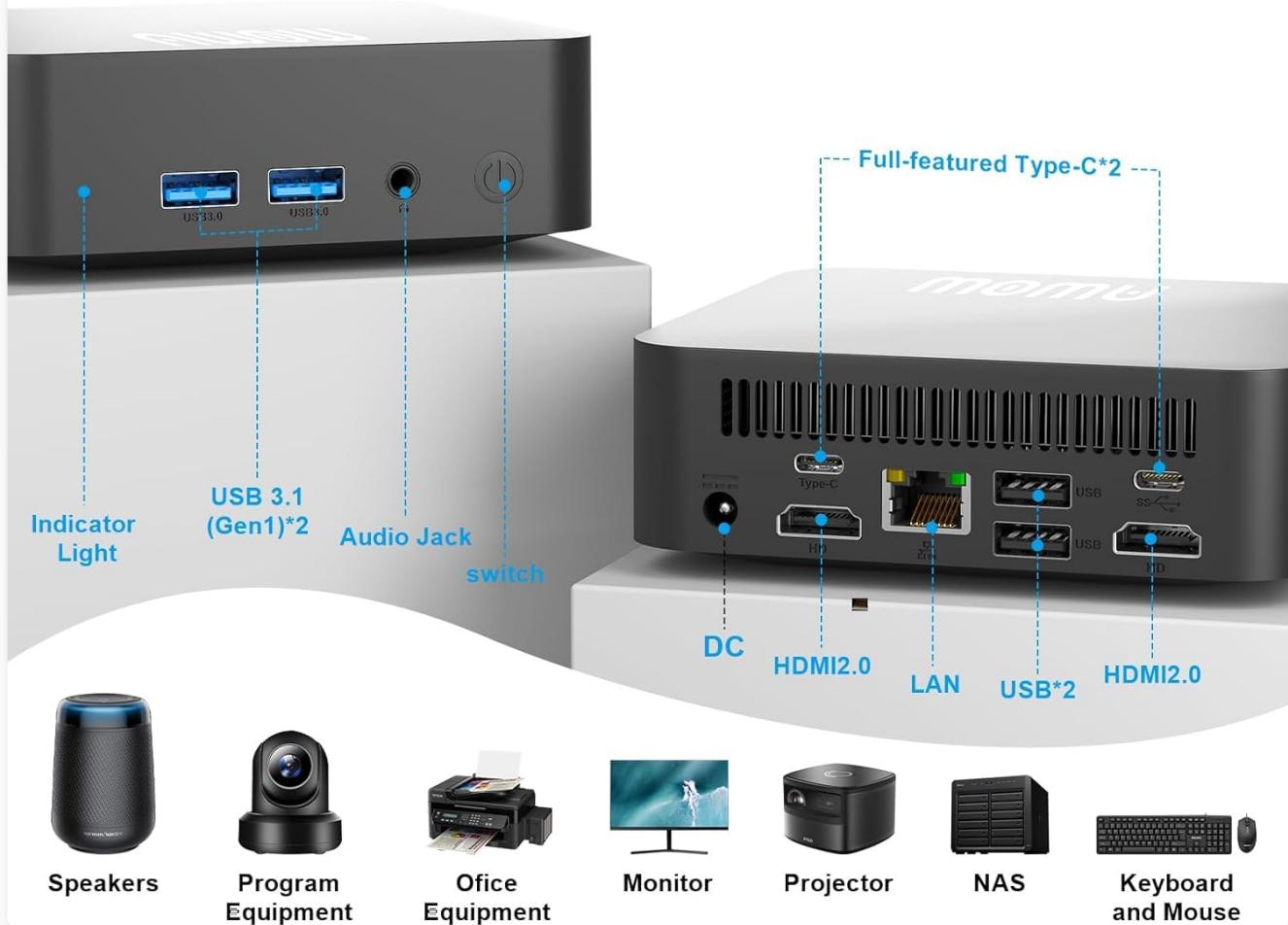


Image 3.1: Front and side view of the AWOW AK41 Mini PC, highlighting the USB 3.0 ports, audio jack, and power button.

- **Power Button:** Press to turn the device on or off.
- **USB 3.0 Ports (x2):** For connecting high-speed USB devices.
- **Audio Jack (3.5mm):** For headphones or external speakers.

3.2 Rear Panel



Windows 11 Pro



Intel Celeron J4125



8GB LPDDR4



128GB NVMe M.2 SSD



Dual Band WiFi



Built-in Fan

Image 3.2: Rear view of the AWOW AK41 Mini PC, illustrating the DC power input, HDMI ports, Gigabit Ethernet, USB 2.0 ports, and Type-C port.

- **DC Power Input:** Connect the included power adapter.
- **HDMI 2.0 Ports (x2):** Connect to displays for 4K@60Hz output.
- **Gigabit Ethernet Port:** For wired network connection.
- **USB 2.0 Ports (x2):** For connecting standard USB devices.
- **Full-Function Type-C Port (x1):** Supports data transfer, video output (4K), and PD fast charging.
- **Micro SD Card Slot:** For additional storage expansion.

4. SETUP GUIDE

Follow these steps to set up your AWOW AK41 Mini PC:

1. **Connect to Display:** Connect your monitor(s) to the Mini PC using the HDMI ports or the Type-C port. The device supports up to three displays simultaneously.
2. **Connect Peripherals:** Plug in your keyboard, mouse, and any other USB devices into the available USB 2.0 or USB 3.0 ports.
3. **Network Connection:** For a wired connection, connect an Ethernet cable to the Gigabit Ethernet port. For wireless, the device supports 2.4G/5G dual-band WiFi.
4. **Power On:** Connect the power adapter to the DC power input on the Mini PC, then plug the adapter into a power outlet. Press the power button on the front panel to turn on the device.
5. **Initial Setup:** Upon first boot, follow the on-screen instructions to complete the Windows 11 Pro setup, including language, region, and network configuration.

5. OPERATING INSTRUCTIONS

5.1 Windows 11 Pro

Your AWOW AK41 Mini PC comes pre-installed with Windows 11 Pro 64-bit. Familiarize yourself with the Windows 11 interface for optimal use.

- **Start Menu:** Access applications, settings, and power options.
- **Taskbar:** Pin frequently used applications and manage open windows.
- **Settings:** Customize system preferences, network settings, and display options.

5.2 Multi-Display Setup

The AK41 supports connecting up to three displays simultaneously at 4K@60Hz. This can be achieved using the two HDMI 2.0 ports and the full-function Type-C port.



Image 5.1: The AWOW AK41 Mini PC supporting multiple 4K displays for enhanced productivity.

To configure multiple displays in Windows 11:

1. Right-click on the desktop and select "Display settings."
2. Windows will detect the connected displays. You can arrange them, choose display modes (Extend, Duplicate, Show only on 1/2/3), and adjust resolution.

6. STORAGE EXPANSION

The AWOW AK41 Mini PC offers flexible storage expansion options:

Large Storage Expansion Design

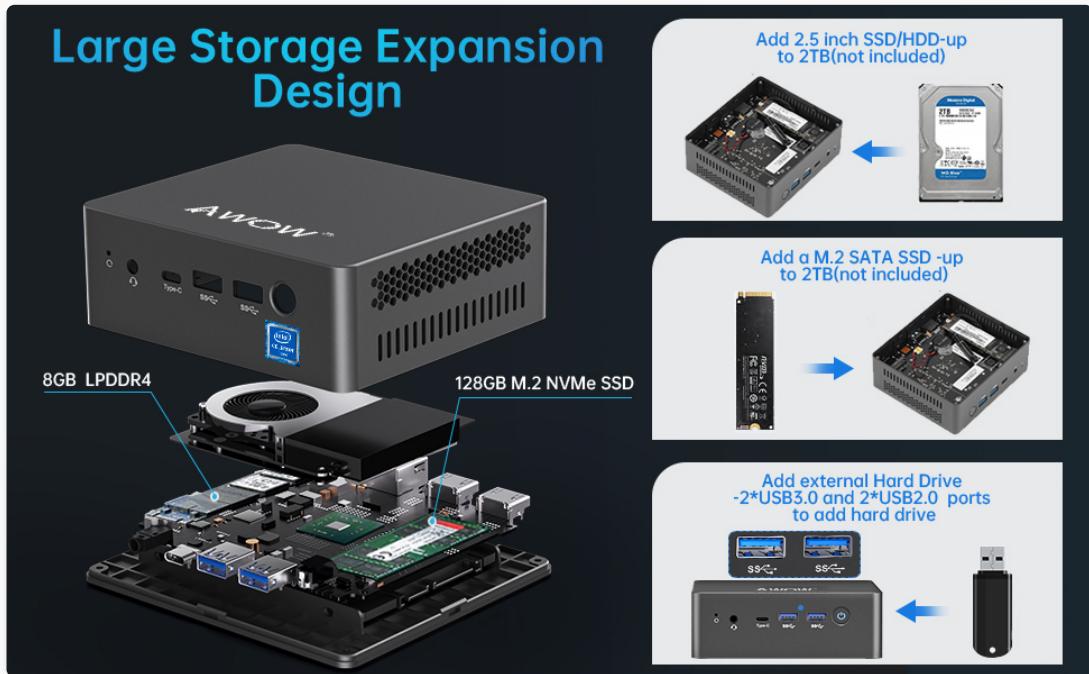


Image 6.1: Visual guide for expanding storage on the AWOW AK41 Mini PC.

- **2.5-inch SATA HDD/SSD:** You can add a 2.5-inch SATA hard drive or SSD (up to 2TB, not included) into the dedicated bay.
- **M.2 SATA SSD:** An additional M.2 SATA SSD (up to 2TB, not included) can be installed. Note that the M.2 port supports PCIe X2, and compatibility with PCIe X4 might vary.
- **External Storage:** Utilize the USB 3.0 and USB 2.0 ports to connect external hard drives or USB flash drives.
- **Micro SD Card:** Insert a Micro SD card into the dedicated slot for portable storage.

7. CONNECTIVITY

7.1 Wi-Fi

The AK41 supports dual-band 2.4G/5G Wi-Fi (802.11a/b/g/n/ac) for robust wireless connectivity.

1. Click the Wi-Fi icon in the Windows taskbar.
2. Select your desired network from the list.
3. Enter the network password if prompted and click "Connect."

7.2 Ethernet

For a stable and high-speed internet connection, use the Gigabit Ethernet port.

1. Connect one end of an Ethernet cable to the Gigabit Ethernet port on the Mini PC.
2. Connect the other end of the Ethernet cable to your router or modem.
3. The system will automatically detect and connect to the wired network.

7.3 Bluetooth

The Mini PC includes Bluetooth 4.2 for connecting wireless peripherals.

1. Go to Windows Settings > Bluetooth & devices.
2. Ensure Bluetooth is turned on.
3. Click "Add device" and select "Bluetooth."

4. Select your Bluetooth device from the list and follow the pairing instructions.

8. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Mini PC.

- **Cleaning:** Use a soft, dry cloth to clean the exterior. For dust accumulation in vents, use compressed air. Ensure the device is powered off and unplugged before cleaning.
- **Ventilation:** Do not block the ventilation holes. Ensure adequate airflow around the device to prevent overheating. The AK41 features a built-in quiet fan for efficient heat dissipation.
- **Software Updates:** Regularly update Windows 11 and device drivers to maintain security and performance.
- **Environmental Conditions:** Operate the Mini PC in a clean, dry environment, away from direct sunlight, extreme temperatures, and excessive humidity.



Turbine blade
Colling fan design

Quiet large fan
Max speed <4200 rpm

Lower noise
Max speed <37.5 dB

Image 8.1: The AWOW AK41 Mini PC's internal cooling system with a quiet large fan for effective heat dissipation.

9. TROUBLESHOOTING

If you encounter issues with your AWOW AK41 Mini PC, refer to the following common solutions:

- **No Power:**
 - Ensure the power adapter is securely connected to both the Mini PC and a working power outlet.
 - Try a different power outlet.
- **No Display:**
 - Verify that the HDMI or Type-C 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.
 - Test with a different cable or monitor if possible.
- **No Internet Connection:**
 - For Wi-Fi, check if the Wi-Fi adapter is enabled in Windows settings and if you are connected to the correct network with the right password.

- For Ethernet, ensure the cable is properly connected and your router/modem is functioning.
- Restart your router/modem and the Mini PC.

- **Slow Performance:**

- Close unnecessary applications running in the background.
- Check for and install any pending Windows updates.
- Ensure there is sufficient free space on your SSD.

10. SPECIFICATIONS

Feature	Specification
Brand	AWOW
Model Number	AK41
Operating System	Windows 11 Pro
Processor	Intel Celeron J4125 Quad-Core (2.0 GHz base, up to 2.7 GHz burst)
RAM	8 GB DDR4
Internal Storage	128 GB NVMe M.2 SSD (PCIe x2)
Graphics	Intel UHD Graphics 600
Display Output	2x HDMI 2.0, 1x Full-Function Type-C (supports 4K@60Hz, triple display)
Resolution	Up to 4096 x 2304 (4K)
Wireless Connectivity	Dual-band Wi-Fi (802.11a/b/g/n/ac), Bluetooth 4.2
Wired Connectivity	1x Gigabit Ethernet
USB Ports	2x USB 3.0, 2x USB 2.0
Other Ports	1x 3.5mm Audio Jack, 1x Micro SD Card Slot, 1x DC Power Input
Dimensions (L x W x H)	12.5 x 11 x 4 cm
Weight	710 grams
Power Type	DC
Specific Uses	Multimedia, Personal, Professional

11. WARRANTY AND SUPPORT

AWOW is committed to providing reliable products and customer satisfaction.

- **Warranty:** Your AWOW AK41 Mini PC comes with a 1-year warranty.
- **Returns:** Enjoy a 1-month free return period.

- **Technical Support:** AWOW offers lifetime technical consulting services and 24-hour customer support.

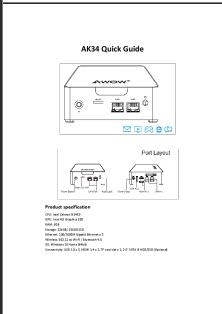
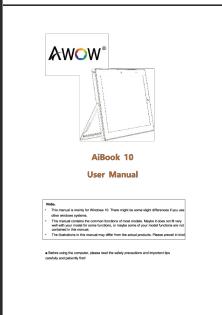
If you encounter any issues or have questions, please contact AWOW customer service for assistance.



Image 11.1: Overview of AWOW's after-sales service commitments.

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Related Documents - AK41

	<p><u>AWOW AK41 Mini PC Quick Guide</u> A concise guide to the AWOW AK41 Mini PC, covering specifications, packing contents, port layout, and connection instructions.</p>
	<p><u>AWOW AK34 Mini PC Quick Guide and Specifications</u> Comprehensive guide for the AWOW AK34 Mini PC, detailing specifications, port layout, and answers to common user questions regarding setup, connectivity, and troubleshooting.</p>
	<p><u>AWOW AiBook 10 User Manual - Hardware, Windows 10 Guide, Specs</u> Comprehensive user manual for the AWOW AiBook 10 tablet. Learn about hardware features, Windows 10 setup and operation, troubleshooting tips, and detailed product specifications.</p>

	<p>AWOW AL34 Mini PC Quick Start Guide</p> <p>A concise and informative guide for setting up and using the AWOW AL34 Mini PC. Covers specifications, packing contents, port layout, connection steps, audio configuration, offline account setup, and FCC compliance.</p>
	<p>AWOW TH213-ES010-AWOW WiFi Thermostat User Guide</p> <p>Comprehensive user guide for the AWOW TH213-ES010-AWOW WiFi Thermostat, covering installation, setup, operation, advanced settings, app connectivity, and voice assistant integration for electric heating systems.</p>
	<p>How to Change Keyboard Layout in Windows 10 - AWOW Guide</p> <p>Step-by-step instructions from AWOW on how to change your keyboard layout in Windows 10, resolving common issues like the 'y' and 'z' confusion in German layouts. Learn to add and switch between keyboard layouts.</p>