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AWOW HA7

AWOW HA7 Mini PC User Manual

Model: HA7

1. INTRODUCTION

Welcome to the user manual for your new AWOW HA7 Mini PC. This guide provides essential information for setting up, operating, maintaining, and troubleshooting your device. Please read this manual thoroughly before using the Mini PC to ensure optimal performance and longevity.

The AWOW HA7 is a barebone mini PC, meaning it does not come with pre-installed RAM, SSD, or an operating system. Users are required to install these components to make the system fully functional.

2. PRODUCT OVERVIEW

2.1 Key Features

- Powerful AMD Ryzen 7 Processor:** Equipped with Ryzen 7 7840HS (8 cores, 16 threads, up to 5.1 GHz) with Zen4 architecture and Ryzen AI technology for exceptional multitasking.
- High-performance Radeon 780M GPU:** Features AMD Radeon 780M (12Core 2700MHz) with RDNA 3 graphics architecture, supporting DirectX 12 Ultimate and AV1 decoding.
- DDR5 Dual Channel & Large Capacity:** Supports SO-DIMM DDR5 5600MHz dual channel RAM (upgradable to 64GB) and M.2 2280 PCIe 4.0 SSD (upgradable to 2TB).
- Triple-Screen & Superior Connectivity:** Supports simultaneous connection of 3 displays via HDMI 2.1, USB4, and DP 2.1. Includes 2.5Gbps LAN, WiFi 6 (up to 2.4Gbps), and Bluetooth 5.2.
- AMD Ryzen AI:** Integrated NPU unit for AI computing, capable of 10 trillion AI operations per second, optimizing AI processing and reducing CPU workload.
- RGB Lighting & Dual Fans:** Dynamic colored lighting with control button for single-color or fixed color options. Dual-fan design for enhanced cooling efficiency and reduced noise.

2.2 Package Contents

- AWOW HA7 Mini PC (Barebone)
- Power Adapter
- User Manual (This document)

2.3 Device Layout and Ports



Front and side view of the AWOW HA7 Mini PC, showcasing its compact design and RGB lighting.



Detailed diagram of the AWOW HA7 Mini PC's front and rear ports, including USB, HDMI, DP, LAN, and power input.



The AWOW HA7 Mini PC demonstrating its capability to connect to three displays simultaneously via HDMI, DisplayPort, and Type-C.



An exploded view illustrating the dual cooling fan system (10cm CPU fan and 7cm system fan) inside the AWOW HA7 Mini PC.

3. SETUP GUIDE

3.1 Installing RAM and SSD

As a barebone system, the AWOW HA7 requires the installation of RAM and an M.2 NVMe SSD.

- Power Off:** Ensure the Mini PC is powered off and disconnected from all power sources.
- Open Chassis:** Carefully open the Mini PC chassis. Refer to the manufacturer's specific instructions or diagrams for your model to locate the access panel.
- Install RAM:** Locate the SO-DIMM DDR5 slots. Align the notch on the RAM module with the key in the slot, insert the module at a 45-degree angle, and gently push down until the clips on both sides snap into place. The HA7 supports dual channel DDR5 5600MHz RAM, up to 64GB.
- Install SSD:** Locate the M.2 2280 PCIe 4.0 SSD slot. Insert the SSD into the slot at a slight angle, then gently push down and secure it with the provided screw. The HA7 supports M.2 2280 PCIe 4.0 SSDs, up to 2TB. *Note: This model does not support external 2.5-inch SATA hard drives.*
- Close Chassis:** Securely close the Mini PC chassis.

An internal view of the AWOW HA7 Mini PC, highlighting the locations for SO-DIMM DDR5 RAM and M.2 NVMe PCIe 4.0 SSD installation.

3.2 Initial Connection

- Connect Display:** Connect your monitor(s) to the Mini PC using HDMI 2.1, DisplayPort 2.1, or USB4 (Type-C) cables. The device supports up to three displays simultaneously.
- Connect Peripherals:** Connect your keyboard, mouse, and other USB devices to the available USB ports.
- Connect Power:** Connect the power adapter to the Mini PC's power input port (Type-C) and then plug it into a power outlet.
- Install Operating System:** Since the device comes without an OS, you will need to install your preferred operating system (e.g., Windows 11 Pro, Linux) from a bootable USB drive. Follow the OS installation instructions.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

- **Power On:** Press the power button located on the front of the Mini PC. The RGB lighting will illuminate.
- **Power Off:** From your operating system, select "Shut Down" or "Power Off". Alternatively, press and hold the power button for 5 seconds to force a shutdown (not recommended for regular use).

4.2 Network Connectivity

- **Wired Connection (LAN):** Connect an Ethernet cable from your router or modem to one of the 2.5Gbps LAN ports on the rear of the Mini PC.
- **Wireless Connection (WiFi):** Once the operating system is installed, navigate to network settings, enable Wi-Fi, and connect to your desired wireless network. The device supports WiFi 6.

4.3 Bluetooth Pairing

The AWOW HA7 supports Bluetooth 5.2. To pair a Bluetooth device:

1. Ensure your Bluetooth device is in pairing mode.
2. On your Mini PC, go to the operating system's Bluetooth settings.
3. Search for available devices and select your device from the list to pair.

4.4 RGB Lighting Control

The Mini PC features dynamic RGB lighting. Use the dedicated lighting control button on the front panel to cycle through different lighting modes, including single-color automatic cycling or fixed color options.



The AWOW HA7 Mini PC displaying a range of RGB lighting options, which can be controlled via a dedicated button.

5. MAINTENANCE

5.1 Cleaning

- Keep the Mini PC clean and free from dust. Use a soft, dry cloth to wipe the exterior.
- For vents, use compressed air to gently remove dust buildup. Ensure the device is powered off before cleaning.

5.2 Software Updates

Regularly update your operating system, drivers, and software to ensure optimal performance, security, and compatibility. Refer to your operating system's documentation for update procedures.

5.3 Hardware Upgrades

The AWOW HA7 supports RAM upgrades up to 64GB (DDR5 5600MHz) and SSD upgrades up to 2TB (M.2 2280 PCIe 4.0). Refer to Section 3.1 for installation instructions. Always ensure the device is powered off and unplugged before

performing any hardware modifications.

6. TROUBLESHOOTING

Common Issues and Solutions

Problem	Possible Cause	Solution
No display on monitor	<ul style="list-style-type: none">Loose display cable connection.Incorrect input source selected on monitor.RAM or SSD not properly installed (for barebone system).Faulty display cable or monitor.	<ul style="list-style-type: none">Ensure display cables (HDMI, DP, USB4) are securely connected to both the Mini PC and the monitor.Check your monitor's input source settings.Verify that RAM and SSD are correctly seated as per Section 3.1.Try a different display cable or monitor to isolate the issue.
Mini PC does not power on	<ul style="list-style-type: none">Power adapter not connected or faulty.Power outlet issue.	<ul style="list-style-type: none">Ensure the power adapter is securely connected to the Mini PC and a working power outlet.Try a different power outlet.
No internet connection (wired)	<ul style="list-style-type: none">Ethernet cable not connected.Router/modem issue.Network driver issue.	<ul style="list-style-type: none">Verify the Ethernet cable is securely connected to the Mini PC and your router/modem.Restart your router/modem.Check network adapter drivers in your operating system.
No internet connection (wireless)	<ul style="list-style-type: none">Wi-Fi disabled in OS.Incorrect Wi-Fi password.Router too far or signal interference.	<ul style="list-style-type: none">Ensure Wi-Fi is enabled in your operating system's settings.Double-check the Wi-Fi password.Move closer to the Wi-Fi router or reduce interference.

7. SPECIFICATIONS

Feature	Detail
Model Name	HA7
Processor	AMD Ryzen 7 7840HS (8 Cores, 16 Threads, up to 5.1 GHz)
Graphics Coprocessor	AMD Radeon 780M GPU (Integrated)
RAM Support	SO-DIMM DDR5 5600MHz Dual Channel (Up to 64GB)
Storage Support	M.2 2280 PCIe 4.0 SSD (Up to 2TB)
Video Output	HDMI 2.1, DisplayPort 2.1, USB4 (Type-C) - Triple Display Support (8K@60Hz)
LAN Ports	2 x 2.5Gbps LAN

Feature	Detail
Wireless Connectivity	WiFi 6 (802.11ax), Bluetooth 5.2
USB Ports	2 x USB 3.2 GEN2, 2 x USB 2.0, 1 x USB4 (Type-C)
Audio Jack	3.5mm Audio Jack
Operating System	No OS pre-installed (Supports Windows 11 Pro)
Dimensions	Approximately 130mm x 130mm x 54mm
Weight	Approximately 2.2 pounds (1 kg)

8. WARRANTY AND SUPPORT

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

AWOW Official Website: www.awowtech.com

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