

AOOSTAR G-FLIP H255

AOOSTAR G-FLIP H255 Mini PC Instruction Manual

Brand: AOOSTAR | Model: G-FLIP H255

INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your AOOSTAR G-FLIP H255 Mini PC. Designed for high performance, this mini PC features an AMD R7 H255 CPU, 24GB DDR5 RAM, 1TB M.2 NVME PCIe4.0 SSD, a 5-inch touchscreen, Oculink, and dual USB4 ports. Please read this manual thoroughly to ensure proper use and to maximize your device's potential.

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Video: An overview of the AOOSTAR G-FLIP Series Mini PC, highlighting its key features and design.

1. SETUP

1.1 Unboxing and Initial Inspection

Carefully remove all components from the packaging. Verify that all accessories are present: 1x AOOSTAR G-FLIP H255 Mini PC, 1x power adapter, 1x user manual, and 1x HD cable.

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Video: Unboxing and initial setup of the AOOSTAR G-FLIP H255 Mini PC, including hardware installation and external display connection.

1.2 Hardware Installation (RAM & SSD)

The AOOSTAR G-FLIP H255 supports dual-channel DDR5 memory and dual M.2 PCIe4.0 SSDs for flexible storage and memory upgrades. To install or upgrade components:

1. Carefully remove the bottom cover of the mini PC by unscrewing the retaining screws.
2. Locate the DDR5 memory slots and M.2 NVME SSD slots on the motherboard.
3. Insert the DDR5 RAM modules into the slots, ensuring they are properly seated.
4. Insert the M.2 NVME SSDs into the PCIe4.0 slots and secure them with the provided screws.
5. Replace the bottom cover and secure it with the screws.

Dual-channel DDR5 memory and Dual M.2 PCIe4.0 SSD

The pluggable storage solution delivers unmatched flexibility and scalability. Easily upgrade memory or drives to meet future needs—no device obsolescence worries, just adapt on demand



Image: Internal view of the AOOSTAR G-FLIP H255 Mini PC, highlighting the dual-channel DDR5 memory and dual M.2 PCIe4.0 SSD slots for upgrades.

R7 H 255

8-C 16-T, light and agile

Powered by Ryzen 7 H255 (Zen 4), 8C/16T up to 4.9GHz. Integrated Radeon 780M graphics for seamless gaming, editing, AI creation, and entertainment on the go.

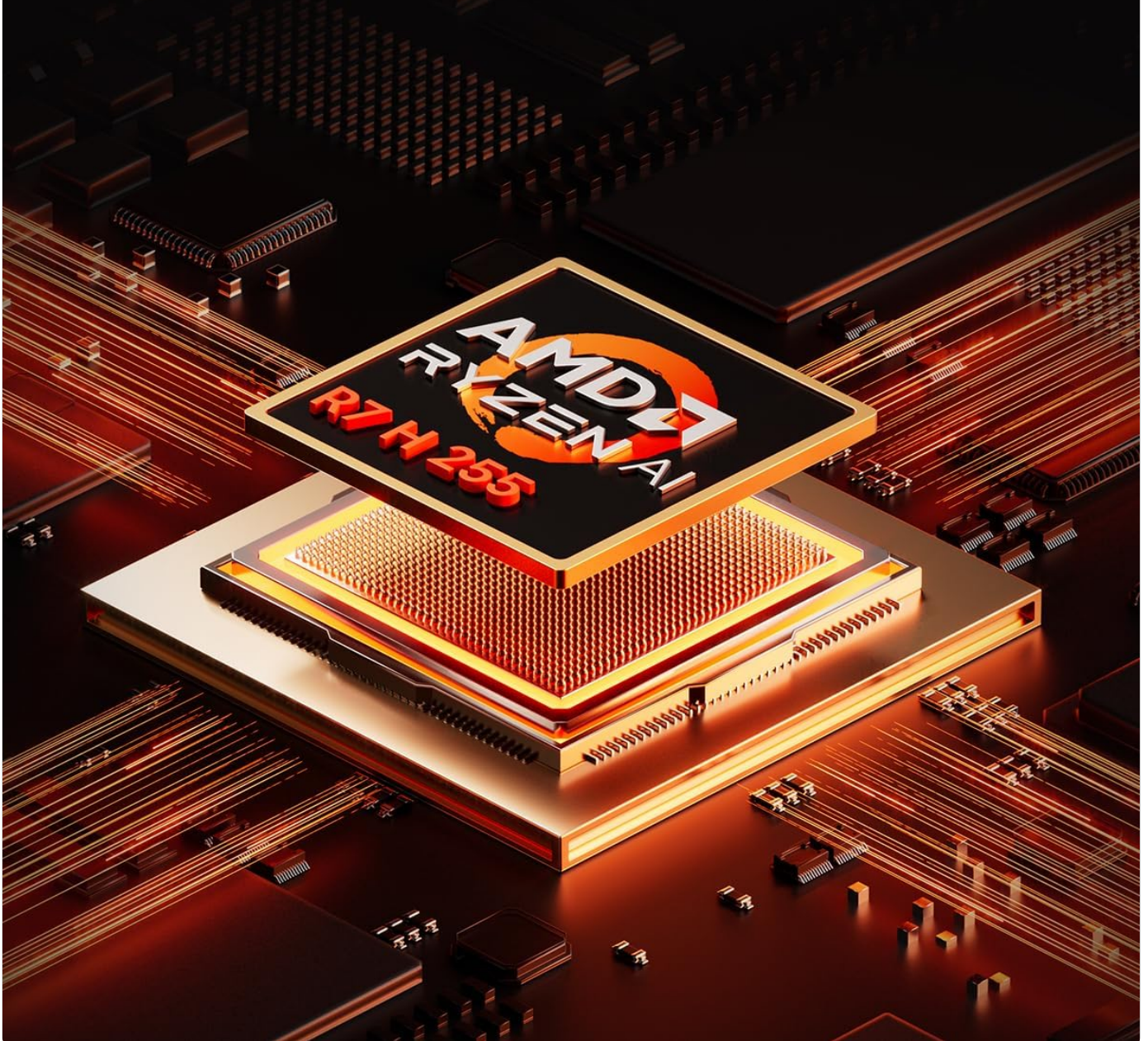


Image: Close-up view of the AMD Ryzen 7 H255 CPU, the core processor of the AOOSTAR G-FLIP H255 Mini PC.

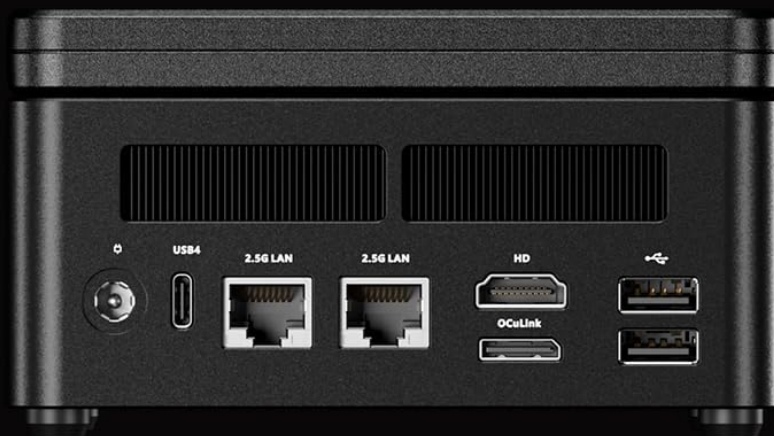
1.3 Connecting Peripherals

Connect your keyboard, mouse, and other peripherals to the available USB ports. For display, you can use the built-in 5-inch touchscreen or connect an external monitor via the HD 2.1 or DP1.4 ports.

Comprehensive coverage to meet diverse needs



Front Interface Panel: Audio Port ×1, USB3.2 Gen2 ×2, USB4 ×1, Reset Button ×1



Rear Interface Panel: DC Power ×1, USB4 ×1, 2.5G (Network Ports) ×2, HD ×1,
OCuLink ×1, USB2.0 ×2

Image: A detailed diagram illustrating the comprehensive front and rear interface panels of the AOOSTAR G-FLIP H255 Mini PC, showing various ports.

2. OPERATING INSTRUCTIONS

2.1 Power On/Off

- **Power On:** Connect the power adapter to the DC power input port. Press the one-touch fingerprint switch on the front panel to power on the device.

- **Power Off:** To safely shut down the system, use the operating system's shutdown function. Alternatively, press and hold the power button for a few seconds.

2.2 Using the 5-inch Touchscreen

The AOOSTAR G-FLIP H255 features a built-in 5-inch HD foldable touch secondary display. This screen can be used for system monitoring, entertainment, or productivity tasks.

- Gently lift the screen to its desired viewing angle (supports up to 65° angle adjustment).
- The screen functions as a standard monitor with touch capabilities, allowing for direct interaction with the operating system.

5-inch 1920×1080 @ 60Hz secondary display

Innovation extends beyond the core. A foldable 5-inch HD secondary display brings system monitoring, entertainment, and productivity to your fingertips. Practical, portable, and stylish—elevating your daily tech experience



Image: The AOOSTAR G-FLIP H255 Mini PC showcasing its 5-inch secondary display in operation, displaying a desktop environment.

2.3 Multi-Display Setup

The mini PC supports up to 3 simultaneous external displays (not including the built-in secondary screen) via its 2x USB4 ports and 1x HD 2.1 port, and 1x DP1.4 port. This allows for extensive multitasking and enhanced visual workspaces.

- Connect external monitors to the available HD 2.1, DP1.4, or USB4 ports.
- Adjust display settings within your operating system to extend or duplicate your desktop across multiple screens.

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Video: Demonstrating the multi-display capabilities of the AOOSTAR G-FLIP H255 Mini PC, connecting to an external monitor.

2.4 Port Overview

The AOOSTAR G-FLIP H255 is equipped with a variety of ports for diverse connectivity needs:

- **Front Interface Panel:** Audio Port x1, USB3.2 Gen2 x2, USB4 x1, Reset Button x1.
- **Rear Interface Panel:** DC Power x1, USB4 x1, 2.5G (Network Ports) x2, HD x1, OCuLink x1, USB2.0 x2.

Dual USB4 with Front-and-Rear Layout

The USB4 interface offers 40Gbps transfer (8× USB 3.2 Gen 2), meeting demands for large files, HD editing, and VR. Enjoy seamless data flow for work or play.



Rear independent OCuLink for flexible expansion

Our independent OCuLink interface, designed with cutting-edge tech, doesn't rely on or occupy M.2 slots. You can enjoy OCuLink's high-speed data transfer and M.2's diverse uses simultaneously.



Image: Rear view of the AOOSTAR G-FLIP H255 Mini PC, emphasizing the independent OCuLink port for flexible expansion.

3. MAINTENANCE

3.1 Cooling System

The AOOSTAR G-FLIP H255 utilizes Vapor Chamber (VC) cooling technology to ensure efficient heat dissipation and

maintain optimal performance during heavy workloads. To ensure proper cooling:

- Ensure the ventilation grilles on the device are not obstructed.
- Regularly clean dust from the vents using compressed air to prevent overheating.

VC Vapor Chamber Cooler Gamer-Exclusive Cooler

The VC cooler revolutionizes heat dissipation, surpassing traditional methods. Its fine structure and phase-change tech ensure efficient, even cooling, keeping devices cool and performing at peak under heavy loads.

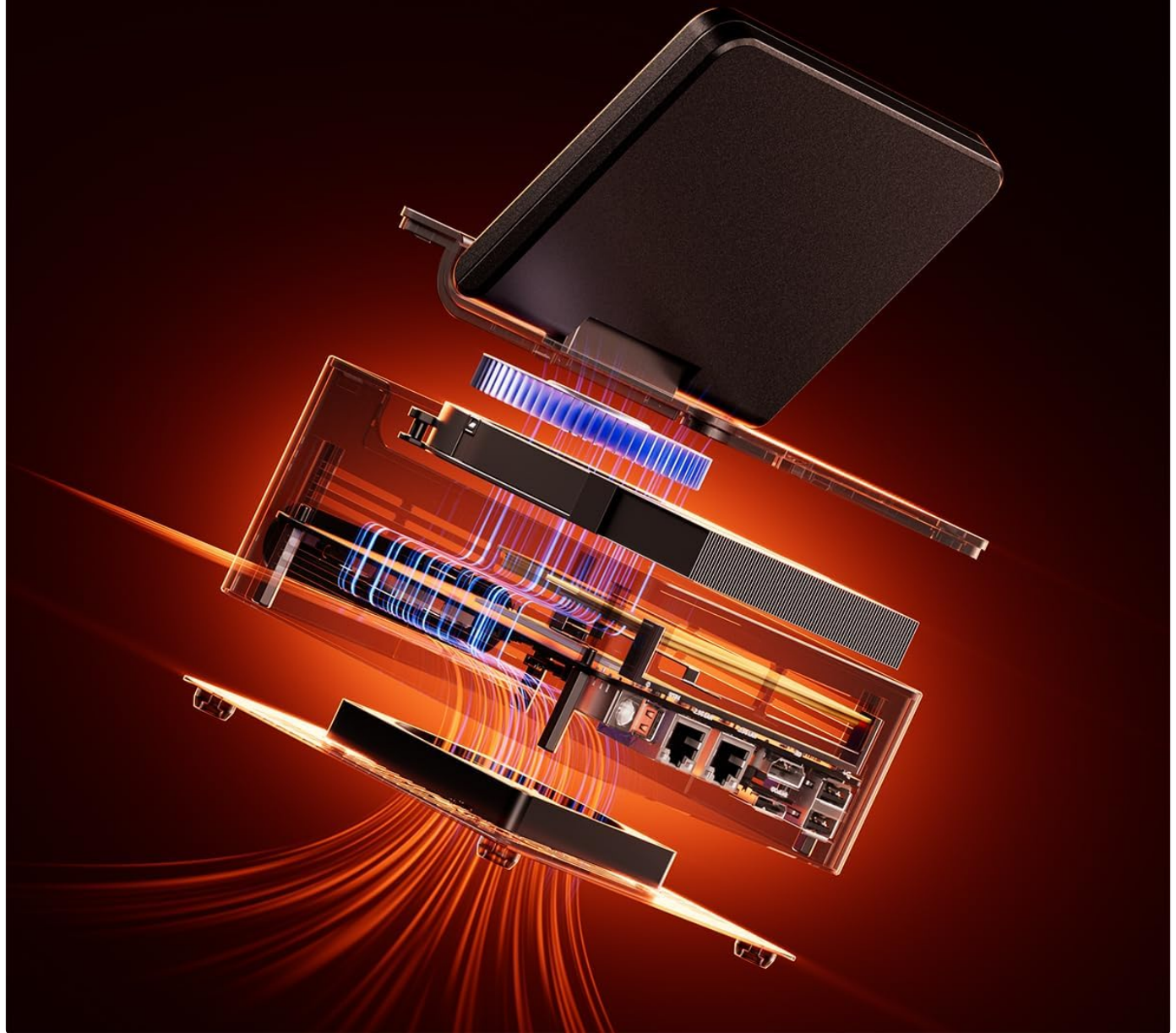


Image: An internal diagram of the AOOSTAR G-FLIP H255 Mini PC, showcasing the VC Vapor Chamber Cooler for efficient heat management.

3.2 Storage Upgrades

The device supports two M.2 2280 NVME SSD slots for storage expansion. Refer to section 1.2 for installation instructions.

3.3 General Care

- Keep the mini PC in a clean, dry environment away from direct sunlight and extreme temperatures.
- Avoid placing heavy objects on top of the device.
- Use a soft, dry cloth to clean the exterior. Do not use liquid cleaners directly on the device.

4. TROUBLESHOOTING

4.1 OCuLink Interface Usage

Important Note: Always turn off the mini PC before plugging or unplugging any device into the OCuLink interface to avoid potential motherboard damage. Damage resulting from improper use is not covered under warranty.

4.2 General Issues

- **No Power:** Ensure the power adapter is securely connected to both the device and a working power outlet.
- **No Display:** Check all display cable connections. If using an external monitor, ensure it is powered on and set to the correct input source.
- **System Unresponsive:** Press and hold the power button for 10 seconds to force a shutdown, then restart the device.

5. SPECIFICATIONS

Feature	Detail
Brand	AOOSTAR
Model Name	G-FLIP H255
Operating System	Windows 11 Pro
CPU Model	AMD Ryzen 7 H255 (8C/16T, up to 4.9Ghz)
Graphics Coprocessor	Radeon 780M (Integrated)
RAM Memory	24 GB DDR5 5600Mhz (Max 128 GB)
Storage	1 TB M.2 NVME PCIe4.0 SSD (2x M.2 2280 NVME SSD Slots)
Built-in Display	5-inch Touchscreen (1920x1080 @ 60Hz)
Video Output	1x HDMI 2.1, 1x DisplayPort 1.4, 2x USB4
USB Ports	2x USB4 (40Gbps), 2x USB3.2 Gen 2, 2x USB 2.0
Network	Dual 2.5G LAN, Wi-Fi 6, Bluetooth 5.2
OCuLink Port	1 (non-hot-swappable)
Power Consumption	70 Watts

Feature	Detail
Cooling	Vapor Chamber (VC) Cooling Technology

6. WARRANTY

The AOOSTAR G-FLIP H255 Mini PC comes with a**1-year warranty** from the date of purchase. This warranty covers manufacturing defects and hardware malfunctions under normal use. Please retain your proof of purchase for warranty claims.

Note: Damage caused by misuse, unauthorized modifications, or failure to follow instructions (e.g., hot-swapping OCuLink devices) may void your warranty.

7. SUPPORT

For technical assistance, product inquiries, or warranty claims, please contact AOOSTAR customer support. You can find more information and contact details on the official AOOSTAR website or through your retailer.

Visit the [AOOSTAR Store on Amazon](#) for additional resources and product information.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question