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## KODLIX AD69

# KODLIX AD69 Mini PC User Manual

Model: AD69

## 1. PRODUCT OVERVIEW

The KODLIX AD69 Mini PC is a compact and powerful computing solution designed for various applications, from business and office tasks to multimedia and light gaming. It features an AMD Ryzen 9 6900HX processor and AMD Radeon 680M graphics, offering robust performance in a small form factor.



Figure 1: KODLIX AD69 Mini PC. This image displays the compact, black chassis of the mini PC with its front-facing ports and power button.

## 2. SETUP AND INSTALLATION

### 2.1 What's in the Box

- 1x AD69 Mini PC
- 1x US Power Adapter
- 1x HDMI cable
- 1x Mount Support
- 1x User Manual

## 2.2 Physical Overview and Port Layout

Familiarize yourself with the ports and buttons on your KODLIX AD69 Mini PC.

# Rich Interface

Meet the needs of your different usage scenarios

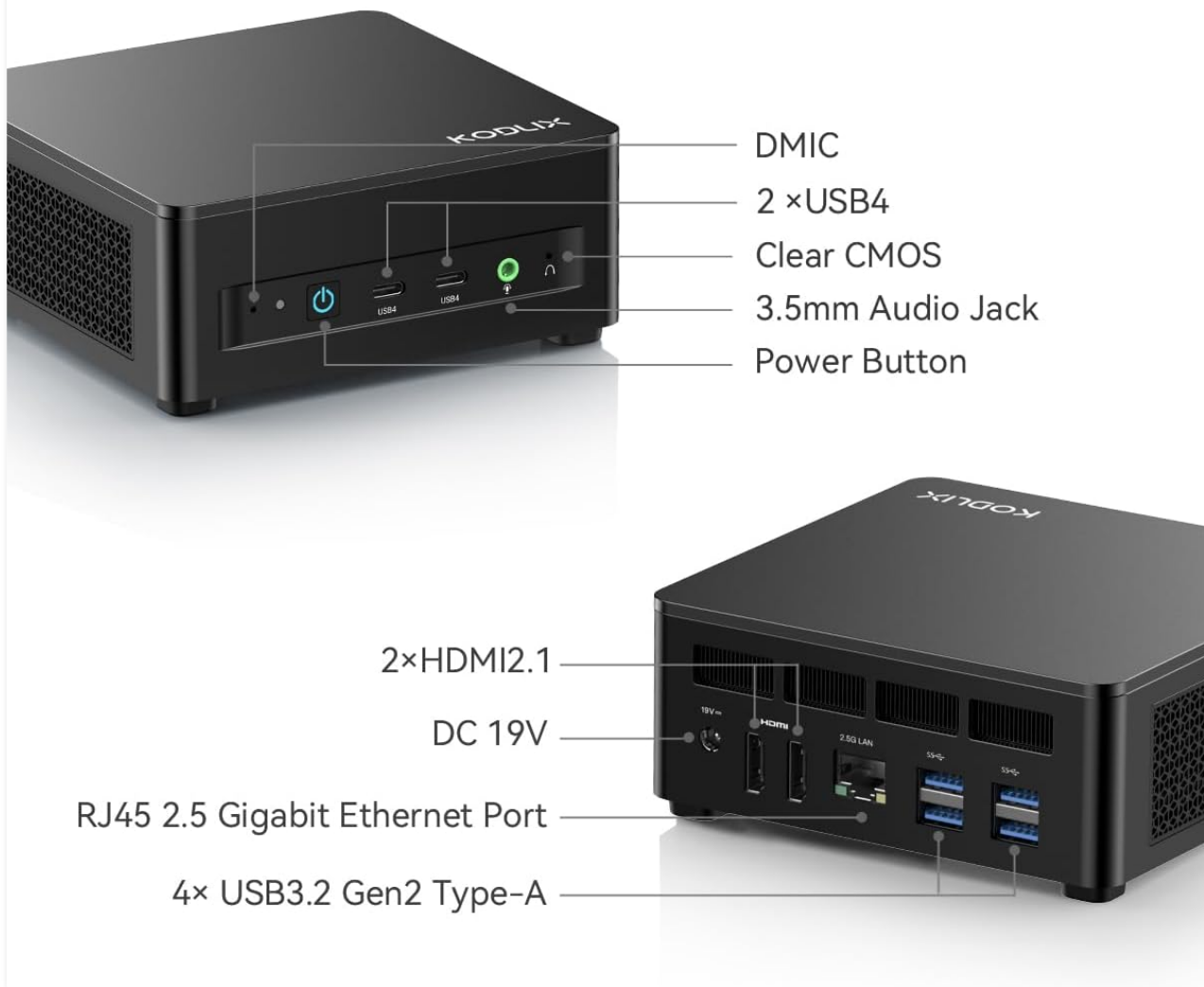


Figure 2: Detailed view of the KODLIX AD69 Mini PC's front and rear ports. The front features a DMIC, 2x USB4 ports, Clear CMOS button, 3.5mm Audio Jack, and Power Button. The rear includes DC 19V input, 2x HDMI2.1 ports, RJ45 2.5 Gigabit Ethernet Port, and 4x USB3.2 Gen2 Type-A ports.

## 2.3 Initial Connection

1. Connect the power adapter to the DC 19V input port on the rear of the Mini PC and plug it into a power outlet.
2. Connect your monitor(s) using the HDMI2.1 ports or USB4 ports (with appropriate adapters if needed). The device supports up to 8K resolution and quad display output.
3. Connect your keyboard and mouse to the available USB3.2 ports.
4. For wired network access, connect an Ethernet cable to the 2.5GbE LAN port.
5. Press the power button on the front of the device to turn it on.

## 2.4 RAM and SSD Installation/Upgrade

The KODLIX AD69 Mini PC supports expansion of both RAM and SSD storage. It comes with 32GB DDR5 RAM (2x16GB) and a 1TB M.2 2280 PCIe 4.0 SSD, with support for up to 64GB RAM and dual PCIe 4.0 SSDs (up to 4TB total).

Your browser does not support the video tag.

Video 1: AD69 Mini PC Ryzen 9 6900HX Installation Tutorial. This video demonstrates the process of opening the mini PC, installing RAM modules into the SODIMM slots, and securing an M.2 SSD.

1. Power off the Mini PC and disconnect all cables.
2. Carefully remove the bottom cover of the Mini PC. Refer to the provided video for detailed steps.
3. To install/upgrade RAM: Locate the two DDR5 SODIMM slots. Gently push the clips outwards to release existing modules or insert new modules at a 45-degree angle and push down until the clips secure them.
4. To install/upgrade SSD: Locate the M.2 2280 PCIe 4.0 SSD slots. Insert the SSD into the slot and secure it with the provided screw.
5. Replace the bottom cover and reconnect all cables.

## 3. OPERATING INSTRUCTIONS

### 3.1 Power On/Off

- To Power On: Press the power button on the front of the Mini PC. The power indicator light will illuminate.
- To Power Off: From the operating system, select 'Shut down'. Alternatively, press and hold the power button for 5 seconds to force a shutdown (use only when necessary).

### 3.2 Operating System

The KODLIX AD69 Mini PC comes pre-installed with Windows 11. It is also compatible with various Linux distributions.

### 3.3 Multi-Display Setup

The Mini PC supports up to four displays simultaneously, with resolutions up to 8K@60Hz, providing extensive screen real estate for multitasking, video editing, or immersive entertainment.

# 8k@60Hz Quad Screens Display Output



2× HDMI2.1



2× USB4



Figure 3: A KODLIX AD69 Mini PC connected to four monitors, demonstrating its quad-display capability for various tasks like video editing, design, and gaming.

- Use the 2x HDMI2.1 ports for direct display connections.
- Utilize the 2x USB4 ports with compatible USB-C to DisplayPort or USB-C to HDMI adapters for additional displays.

## 3.4 Network and Wireless Connectivity

- **Wired Ethernet:** The device features a 2.5GbE LAN port for high-speed wired network connections.

- **Wi-Fi 6E:** Enjoy fast and low-latency wireless connectivity with Wi-Fi 6E (802.11ax) supporting 2.4G/5G/6G triple bands.
- **Bluetooth 5.3:** Connect various wireless peripherals such as headsets, mice, keyboards, and printers.

## 4. PERFORMANCE OVERVIEW

### 4.1 Processor and Graphics

The KODLIX AD69 is powered by an AMD Ryzen 9 6900HX processor (8 cores/16 threads, up to 4.9GHz) and integrated AMD Radeon 680M graphics (based on RDNA2 architecture). This combination provides excellent performance for multitasking, content creation, and light gaming.

# AMD Ryzen 9 6900HX Processor

**8** Cores    **16** Threads    **16MB** Cache    **4.9GHz** Max Turbo Frequency    **6nm** TSMC 6nm Chip    **Zen 3+** Architecture    **60W** Balanced Mode Power

## Single-core/Multi-core Performance Comparison

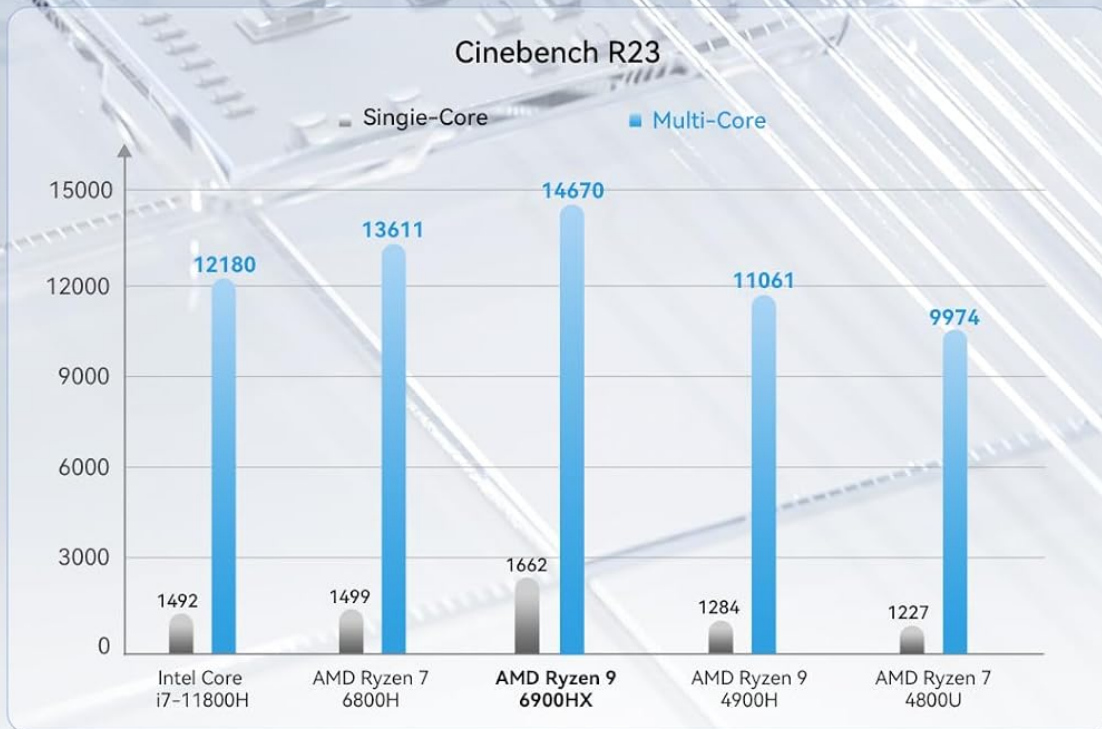


Figure 4: Details of the AMD Ryzen 9 6900HX processor, highlighting its 8 cores, 16 threads, 16MB cache, 4.9GHz max turbo frequency, 6nm process, and 60W balanced mode power. A performance comparison chart shows its Cinebench R23 scores against other AMD Ryzen and Intel processors.

## 4.2 Memory and Storage

Equipped with 32GB DDR5 RAM (4800MHz, dual channel) and a 1TB M.2 2280 PCIe 4.0 SSD, the AD69 offers fast data access and ample space. Both RAM and SSD are expandable for future needs.

# Dual Channel DDR5 +Dual PCIe 4.0 SSD

Supports dual channel DDR5 SODIMM slots, up to 64GB  
+ dual M.2 2280 PCIe4.0 SSD, total up to 4TB



**32GB** DDR5-4800MHz  
Dual SO-DIMM slots

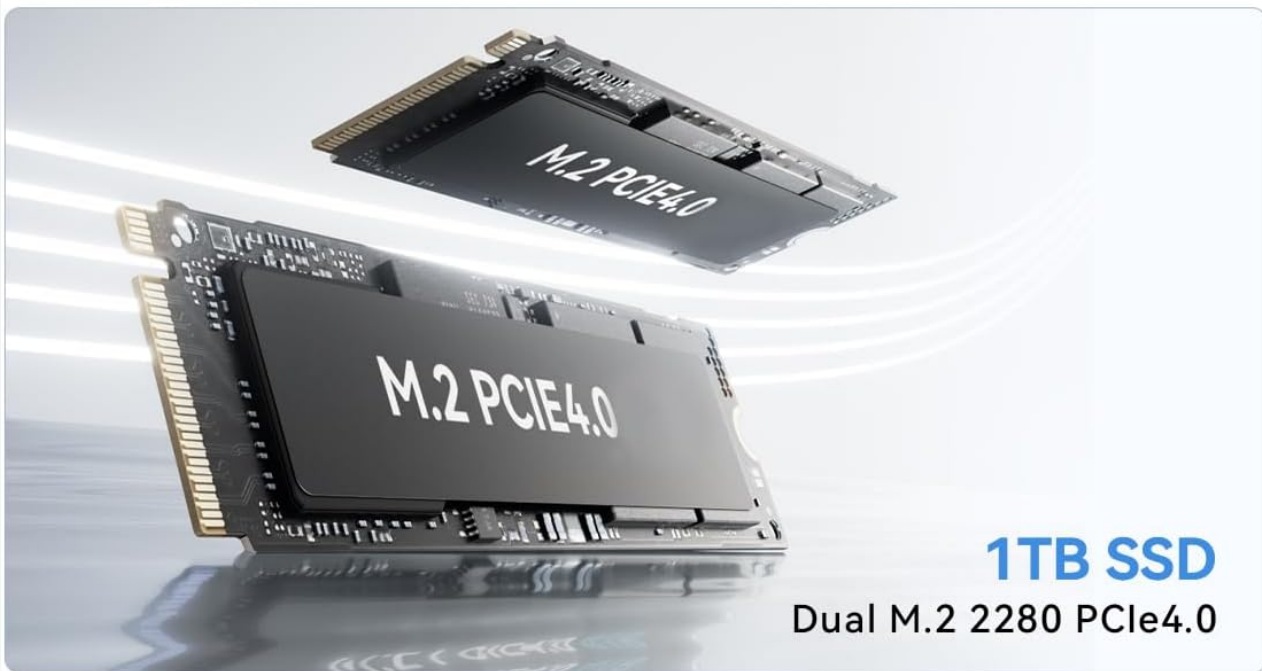


Figure 5: Illustration of the dual SODIMM slots for DDR5 RAM (up to 64GB) and dual M.2 2280 PCIe 4.0 SSD slots (up to 4TB total), showcasing the expandability of the mini PC.

## 5. MAINTENANCE

### 5.1 Cooling System

The AD69 Mini PC features an efficient cooling system designed to maintain stable performance even under

high loads. This system helps reduce DDR temperature by 35% and SSD temperature by 39%.



Figure 6: Diagram illustrating the internal cooling system of the KODLIX AD69 Mini PC, showing airflow and heat dissipation components.

## 5.2 Keeping Vents Clear

Ensure that the ventilation holes on the sides and bottom of the Mini PC are not obstructed to allow for proper airflow and prevent overheating.

## 6. TROUBLESHOOTING

If you encounter any issues with your KODLIX AD69 Mini PC, please try the following basic troubleshooting steps:

- **No Power:** Check all power connections. Ensure the power adapter is securely plugged into the Mini PC and a working power outlet.
- **No Display:** Verify that your monitor(s) are correctly connected and powered on. Try different display cables or ports.
- **Peripherals Not Working:** Ensure USB devices are properly connected. Try different USB ports.
- **Network Issues:** For wired connections, check the Ethernet cable and router. For Wi-Fi, ensure the Wi-Fi 6E module is enabled in Windows settings and connected to your network.
- **System Unresponsive:** Press and hold the power button for 5 seconds to force a shutdown, then restart the device.

For further assistance, please refer to the official KODLIX support channels.

## 7. TECHNICAL SPECIFICATIONS

Feature	Specification
Processor	AMD Ryzen 9 6900HX (8 Cores/16 Threads, up to 4.9 GHz)
Graphics	AMD Radeon 680M (12 Core 2400MHz)
RAM	32 GB DDR5 4800MHz (Dual Channel, expandable to 64GB)

Feature	Specification
Storage	1 TB M.2 2280 PCIe 4.0 SSD (Dual slot expansion up to 4TB)
Display Output	2x USB4 (8K@60Hz), 2x HDMI2.1 (8K@60Hz) - Quad Display Support
Networking	2.5GbE LAN, Wi-Fi 6E (802.11ax), Bluetooth 5.3
USB Ports	2x USB4, 4x USB3.2
Audio	1x 3.5mm audio jack
Operating System	Windows 11 (pre-installed)
Dimensions	7.15 x 6.32 x 4.41 inches
Weight	3.12 pounds

## 8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product or visit the official KODLIX website. Keep your purchase receipt as proof of purchase for warranty claims.