

## ACEMAGIC CK11

# ACEMAGIC CK11 Mini PC User Manual

Model: CK11

## 1. INTRODUCTION

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This manual provides essential information for setting up, operating, maintaining, and troubleshooting your ACEMAGIC CK11 Mini PC. Please read this manual thoroughly before using the device to ensure proper functionality and longevity.

The ACEMAGIC CK11 is a compact desktop computer featuring an Intel 12th Gen Core i5-12450H processor, 16GB DDR4 RAM, and a 512GB SSD. It supports 4K triple display output and includes modern connectivity options like WiFi 6 and Bluetooth 5.2.

## 2. PACKAGE CONTENTS

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Verify that all items are present in the package:

- ACEMAGIC CK11 Mini PC
- Power Adapter
- HDMI Cable
- VESA Mount Kit (screws included)
- User Manual (this document)

## 3. DEVICE LAYOUT AND PORTS

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Familiarize yourself with the ports and features of your ACEMAGIC CK11 Mini PC.



## Super Capacity Super Experience

With dual-channel **DDR4** memory,  
plus a **512GB M.2 2280 NVMe SSD**

You can operate faster,  
whether it's multitasking or large file transfers

**Figure 3.1:** Rich Interface Design. This image illustrates the various input and output ports available on the ACEMAGIC CK11 Mini PC, including USB 3.0, HDMI, RJ45 Ethernet, DC power input, audio jack, USB-C, and VGA.

### Front Panel

- **Power Button:** Press to turn the PC on or off.
- **USB 3.0 Ports (x2):** For connecting USB devices.
- **USB-C Port (x1):** For data transfer or display output.
- **Audio Jack (x1):** For headphones or speakers.

### Rear Panel

- **DC Power Input (x1):** Connect the power adapter here.
- **HDMI Ports (x2):** For connecting displays.
- **VGA Port (x1):** For connecting legacy displays.
- **RJ45 Ethernet Port (x1):** For wired network connection.
- **USB 3.0 Ports (x2):** For connecting USB devices.

## 4. SETUP INSTRUCTIONS

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Follow these steps to set up your ACEMAGIC CK11 Mini PC.

### 4.1 Connecting Peripherals

1. **Connect Display:** Use an HDMI or VGA cable to connect your monitor(s) to the corresponding ports on the Mini PC. The device supports up to three displays simultaneously (2x HDMI, 1x VGA).
2. **Connect Keyboard and Mouse:** Plug your USB keyboard and mouse into the available USB 3.0 ports.
3. **Connect Network (Optional):** For a wired internet connection, connect an Ethernet cable from your router to the RJ45 port on the Mini PC. For wireless, ensure your WiFi network is available.
4. **Connect Power:** Plug the power adapter into the DC power input port on the Mini PC, then plug the adapter into a power outlet.

### 4.2 Initial Power On

1. Press the power button on the front of the Mini PC. The power indicator light will illuminate.
2. Your display should show the ACEMAGIC logo, followed by the operating system loading screen.

3. Follow the on-screen instructions to complete the initial operating system setup, including language, region, and user account creation.

### 4.3 VESA Mount Installation (Optional)

The ACEMAGIC CK11 can be mounted to the back of a VESA-compatible monitor using the included VESA mount kit to save desk space.



**Figure 4.1:** Compact Design and VESA Mount. This image demonstrates the small footprint of the ACEMAGIC CK11 Mini PC and how it can be mounted to the rear of a monitor using a VESA bracket.

1. Attach the VESA bracket to the back of your monitor using the provided screws.
2. Slide the Mini PC onto the VESA bracket until it clicks securely into place.

## 5. OPERATING INSTRUCTIONS

### 5.1 Power On/Off

- **To Power On:** Press the power button once.
- **To Shut Down:** Use the operating system's shutdown function. Alternatively, press and hold the power button for 5 seconds to force a shutdown (use only when necessary).
- **Auto Power On:** The device supports an 'Auto Power On' feature, which can typically be configured in the BIOS settings. Consult your operating system or BIOS documentation for specific instructions.

### 5.2 Network Connectivity

- **Wired Connection:** Ensure an Ethernet cable is connected to the RJ45 port. The system will automatically detect the wired connection.
- **Wireless Connection (WiFi 6):** Navigate to your operating system's network settings, select your desired WiFi network, and enter the password. The Mini PC supports WiFi 6 for fast and stable wireless connectivity.



**Figure 5.1:** Ultra-Fast Wireless Connectivity. This image highlights the ACEMAGIC CK11's support for Wi-Fi 6 and Bluetooth 5.2, ensuring stable and high-speed wireless connections.

### 5.3 Bluetooth Connectivity (Bluetooth 5.2)

To connect Bluetooth devices such as headphones, keyboards, or mice:

1. Enable Bluetooth on your Mini PC via the operating system settings.
2. Put your Bluetooth device into pairing mode.
3. Search for the device in your PC's Bluetooth settings and select it to pair.

### 5.4 Triple Display Setup

The ACEMAGIC CK11 supports connecting up to three displays simultaneously for enhanced productivity or entertainment.



**Figure 5.2:** Triple Screen Display. This image illustrates the ACEMAGIC CK11 Mini PC's ability to drive three independent displays, supporting 4K resolution on two HDMI outputs and 1080p on the VGA output.

Connect your monitors to the two HDMI ports and the VGA port. Once connected, configure the display settings within your operating system to extend or duplicate your desktop across the screens.

## 6. MAINTENANCE

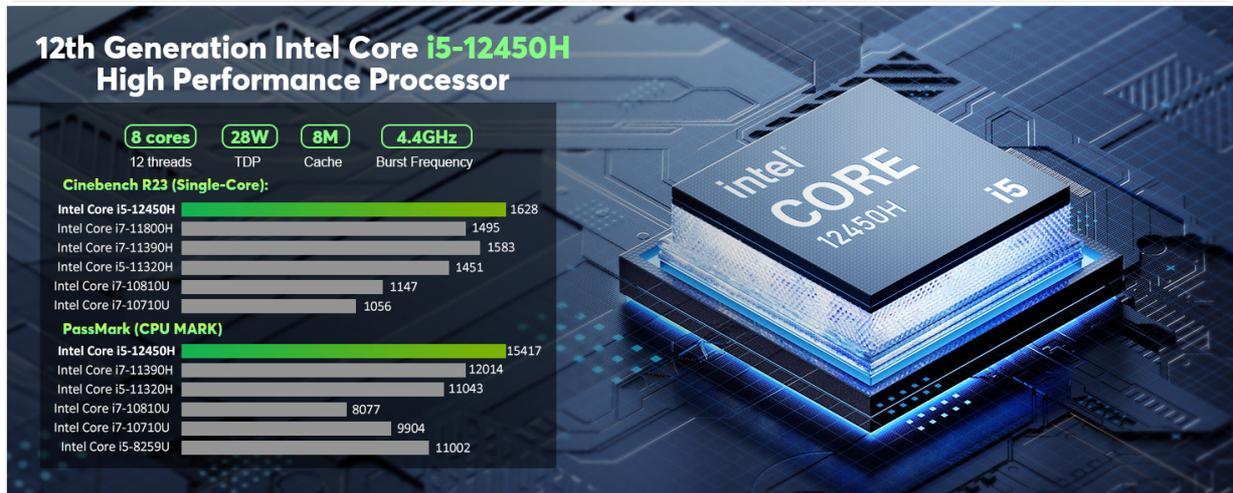
Proper maintenance ensures the longevity and optimal performance of your Mini PC.

## 6.1 Cleaning

- Regularly clean the exterior of the Mini PC with a soft, dry cloth.
- Use compressed air to clear dust from ventilation openings to maintain proper airflow.
- Ensure the device is powered off and unplugged before cleaning.

## 6.2 Heat Dissipation

The ACEMAGIC CK11 features an efficient cooling fan to manage internal temperatures.



**Figure 6.1:** Powerful Heat Dissipation. This diagram illustrates the internal cooling system of the Mini PC, showing how the fan effectively dissipates heat to prevent overheating during operation.

- Ensure the Mini PC is placed in a well-ventilated area.
- Do not block the ventilation openings.
- Avoid operating the device in direct sunlight or excessively hot environments.

## 6.3 Storage and RAM Expansion

The ACEMAGIC CK11 offers options for upgrading its memory and storage.



**Figure 6.2:** Storage Expansion. This image provides an internal view of the Mini PC, highlighting the M.2 2280 slot for NVMe SSDs and the dedicated bay for a 2.5-inch SATA SSD (not included).

- **RAM:** The device comes with 16GB DDR4 RAM. It supports dual-channel DDR4 memory and can be expanded up to 64GB (2x 32GB SO-DIMM).
- **SSD:** It includes a 512GB M.2 2280 NVMe SSD. An additional 2.5-inch SATA SSD/HDD (up to 2TB)

can be installed for further storage expansion.

*Note:* Opening the device to perform upgrades may void your warranty. Consult with ACEMAGIC support or a qualified technician before attempting any internal modifications.

## 7. TROUBLESHOOTING

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If you encounter issues with your ACEMAGIC CK11 Mini PC, refer to the following common troubleshooting steps.

### 7.1 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.
- Check if the power adapter's indicator light (if any) is on.

### 7.2 No Display Output

- Confirm that the HDMI or VGA cable is securely connected to both the Mini PC and the monitor.
- Ensure the monitor is powered on and set to the correct input source (e.g., HDMI 1, VGA).
- Try connecting the Mini PC to a different monitor or using a different display cable.
- If using multiple displays, try connecting only one display at a time to isolate the issue.

### 7.3 Network Connectivity Issues

- **Wired:** Check the Ethernet cable connection. Ensure your router/modem is working correctly.
- **Wireless:** Verify that WiFi is enabled in your operating system settings. Ensure you are connecting to the correct network with the correct password. Restart your router/modem.

### 7.4 System Performance Issues

- Close unnecessary applications running in the background.
- Ensure the Mini PC has adequate ventilation and is not overheating.
- Check for available operating system updates and driver updates.
- Run a disk cleanup or defragmentation tool (for HDDs, not typically needed for SSDs).

## 8. SPECIFICATIONS

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Detailed technical specifications for the ACEMAGIC CK11 Mini PC.



**Figure 8.1:** Intel 12th Gen Core i5-12450H Processor. This image details the specifications of the Intel Core i5-12450H CPU, including its core count, thread count, and maximum turbo frequency, which powers the ACEMAGIC CK11 Mini PC.

Component	Specification
<b>Model</b>	ACEMAGIC CK11
<b>Processor</b>	Intel 12th Gen Core i5-12450H (8 Cores, 12 Threads, up to 4.4 GHz)
<b>Graphics</b>	Intel Iris Xe Graphics
<b>RAM</b>	16GB DDR4 (Expandable up to 64GB via 2x SO-DIMM slots)
<b>Storage</b>	512GB M.2 2280 NVMe SSD (Supports additional 2.5-inch SATA SSD/HDD up to 2TB)
<b>Operating System</b>	Pre-installed OS
<b>Wireless Connectivity</b>	WiFi 6, Bluetooth 5.2
<b>Ethernet</b>	Gigabit Ethernet (RJ45)
<b>Video Output</b>	2x HDMI (4K support), 1x VGA (1080p support) - Triple Display Capable
<b>USB Ports</b>	4x USB 3.0, 1x USB-C
<b>Audio</b>	1x Audio Jack
<b>Dimensions (LxWxH)</b>	4.96 x 1.97 x 5.45 inches (12.6 x 5.0 x 13.8 cm)
<b>Weight</b>	3.29 pounds (1.49 kg)
<b>Special Features</b>	VESA Mount Support, Auto Power On

## 9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or visit the official ACEMAGIC website. Keep your proof of purchase for warranty claims. If you require assistance, please contact ACEMAGIC customer service through their official channels.

