

ACEMAGIC K1

ACEMAGIC K1 Mini PC User Manual

Model: K1



1. INTRODUCTION

This manual provides essential information for setting up, operating, and maintaining your ACEMAGIC K1 Mini PC. Please read this manual thoroughly before using the device to ensure proper functionality and to prevent damage.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- ACEMAGIC K1 Mini PC
- Power Adapter
- HDMI Cable
- VESA Mount with Screws
- User Manual (this document)

3. PRODUCT OVERVIEW

The ACEMAGIC K1 is a compact mini PC designed for various computing tasks, from office work to light gaming. It features a robust AMD Ryzen 7 5700U processor and versatile connectivity options.



Image: Front view of the ACEMAGIC K1 Mini PC, showing the power button, USB ports, and audio jack.

3.1. Ports and Connectors

Familiarize yourself with the available ports on your ACEMAGIC K1 Mini PC.

Versatile Ports



TV



Monitors



Camera



Printer



Projector



Audio

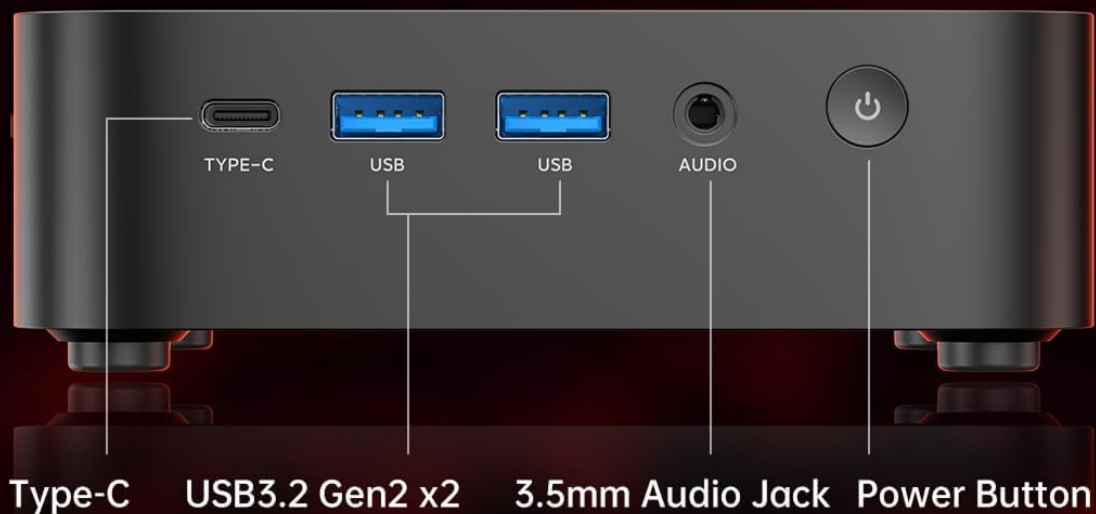
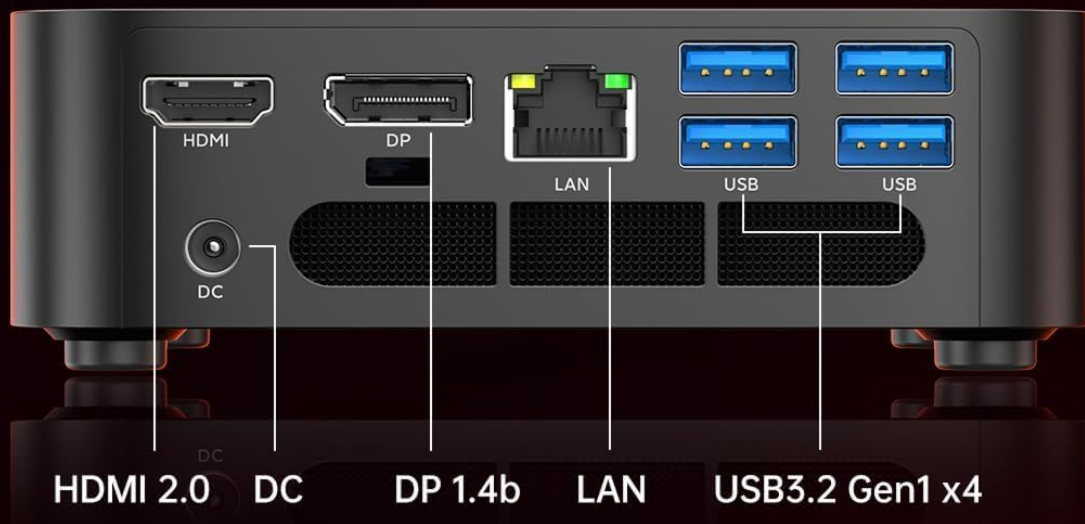


Image: Diagram illustrating the front and rear ports of the ACEMAGIC K1 Mini PC.

Front Panel:

- **Power Button:** To turn the PC on or off.
- **USB 3.2 Gen2 Type-C (x1):** For data transfer and display output.
- **USB 3.2 Gen2 (x2):** High-speed data transfer ports.
- **3.5mm Audio Jack:** For headphones or microphones.

Rear Panel:

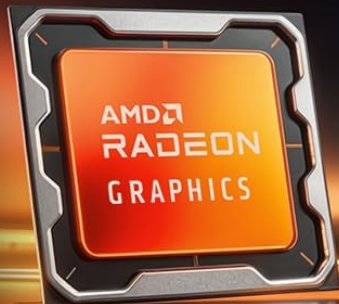
- **HDMI 2.0 (x1):** For connecting to a display.
- **DisplayPort 1.4 (x1):** For connecting to a display.
- **LAN (RJ45) (x1):** For wired network connection.
- **USB 3.2 Gen1 (x4):** Standard data transfer ports.
- **DC Power Input:** For connecting the power adapter.

3.2. Key Features

- **Processor:** AMD Ryzen 7 5700U 8-Core Processor (up to 4.3GHz).
- **Graphics:** Integrated AMD Radeon RX Vega 8.
- **Memory:** 16GB DDR4 SO-DIMM RAM (expandable up to 64GB).
- **Storage:** 512GB PCIe 3.0x4 SSD (Dual NVMe M.2 2280 SSD Slots, supports up to 4TB expansion).
- **Operating System:** Pre-installed Windows 11 Pro.
- **Wireless Connectivity:** WiFi 6 and Bluetooth 5.2.
- **Display Support:** Triple 4K@60Hz display output via HDMI 2.0, DisplayPort 1.4, and USB 3.2 Gen2 Type-C.

Kron Mini K1

AMD Radeon RX Vega 8



8CU

GPU frequency of 1900 MHz

M.2 2280

SSD Slots x2

Support PCIe3.0x4, Max 4TB

DDR4

3200MHz

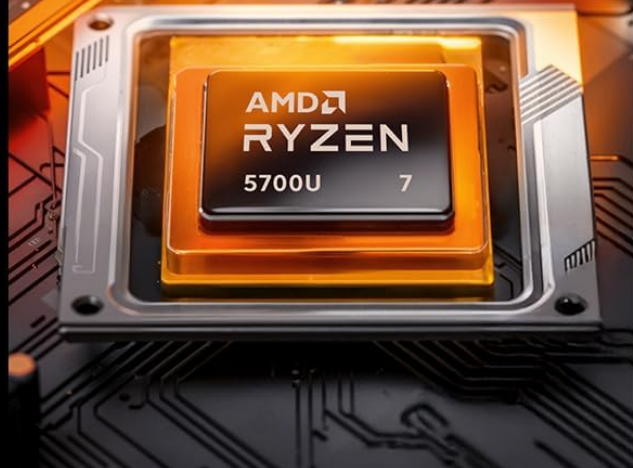
Dual SO-DIMM DDR4, up to 64GB

AMD Ryzen 7 5700U

4.3GHz
Turbo Boost

8 Cores
16 Threads

28W TDP MAX
TSMC 7nm FinFET



Comprehensive Ports

For Versatile Applications



Pre-installed
Windows 11 Pro



Enhanced Cooling System

High-speed fan with
a dual exhaust design

Image: Overview of the ACEMAGIC K1 Mini PC's key features, including processor, graphics, memory, storage, ports, and cooling system.

4. SETUP GUIDE

Follow these steps to set up your ACEMAGIC K1 Mini PC.

4.1. Connecting Peripherals

1. **Connect Display:** Use the provided HDMI cable or your own DisplayPort cable to connect your monitor(s) to

the HDMI 2.0, DisplayPort 1.4, or USB-C ports on the Mini PC. For triple display setup, use all three available display outputs.

2. **Connect Keyboard and Mouse:** Plug your USB keyboard and mouse into any of the available USB ports on the Mini PC.
3. **Connect Network (Optional):** For a wired internet connection, connect an Ethernet cable from your router or modem to the LAN port on the Mini PC. For wireless connection, WiFi 6 is supported.
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.



Triple 4K Display Support

Connect three 4K screens for effortless multitasking and improved productivity

DP 1.4
4K@60Hz

HDMI 2.0
4K@60Hz

USB 3.2Gen2 Type-C
Display 4K@60Hz

Image: The ACEMAGIC K1 Mini PC connected to three external monitors, demonstrating its triple 4K display support.

4.2. Initial Power On and Windows Setup

1. Press the **Power Button** on the front panel of the Mini PC. The power indicator light will illuminate.
2. The PC will boot into the pre-installed Windows 11 Pro operating system.
3. Follow the on-screen instructions to complete the initial Windows setup, including language selection, region, network connection, and user account creation.

5. OPERATING INSTRUCTIONS

5.1. Basic Operation

- **Power On:** Press the power button.
- **Power Off:** Click the Start button in Windows, then select Power > Shut down. Alternatively, press and hold the power button for 4 seconds to force a shutdown (not recommended for regular use).
- **Restart:** Click the Start button in Windows, then select Power > Restart.
- **Sleep:** Click the Start button in Windows, then select Power > Sleep.

5.2. Network Connectivity

Wired Connection:

If you connected an Ethernet cable during setup, your PC should automatically connect to the internet. Verify the connection status in Windows network settings.

Wireless Connection (WiFi 6):

1. In Windows, click the network icon in the taskbar.
2. Select your desired WiFi network from the list.
3. Enter the network password if prompted and click Connect.

High-Speed Wireless Connectivity

Equipped with Wi-Fi 6 and Bluetooth 5.2 for fast, stable performance in downloads, streaming, and gaming



Image: Visual representation highlighting the high-speed wireless connectivity features, Wi-Fi 6 and Bluetooth 5.2, of the ACEMAGIC K1 Mini PC.

5.3. Display Configuration

The ACEMAGIC K1 supports up to three 4K@60Hz displays simultaneously. After connecting your monitors, Windows should automatically detect them. You can configure display settings:

1. Right-click on the desktop and select **Display settings**.
2. Here you can arrange your displays, change resolution, and set display modes (e.g., Extend, Duplicate).

6. MAINTENANCE

6.1. Cleaning

- Ensure the device is powered off and unplugged before cleaning.
- Use a soft, dry cloth to wipe the exterior of the Mini PC.
- For dust accumulation in vents, use compressed air. Do not insert objects into the vents.

6.2. Storage and RAM Upgrades

The ACEMAGIC K1 Mini PC allows for storage and RAM upgrades. It features dual NVMe M.2 2280 SSD slots for storage expansion up to 4TB and supports DDR4 SO-DIMM memory expandable up to 64GB.

Caution:

- Opening the device for upgrades may require removing rubber feet to access screws. Proceed with caution to avoid damaging the device or voiding the warranty.
- If you are unsure about performing an upgrade, it is recommended to seek professional assistance.

7. TROUBLESHOOTING

If you encounter issues with your ACEMAGIC K1 Mini PC, refer to the following common solutions:

Issue	Possible Solution
No display output	<ul style="list-style-type: none">• Ensure the monitor is powered on and set to the correct input source.• Check all display cables (HDMI, DisplayPort, USB-C) are securely connected.• Try connecting to a different display or using a different cable.
PC does not power on	<ul style="list-style-type: none">• Verify the power adapter is securely connected to both the PC and a working power outlet.• Try a different power outlet.
Slow performance	<ul style="list-style-type: none">• Close unnecessary applications running in the background.• Check for available Windows updates.• Ensure sufficient free space on the SSD.• Consider upgrading RAM if frequently running memory-intensive tasks.
No internet connection	<ul style="list-style-type: none">• For wired connection, check the Ethernet cable and router/modem status.• For wireless connection, ensure WiFi is enabled and you are connected to the correct network with the correct password.• Restart your router/modem.

If the issue persists, please contact ACEMAGIC customer support for further assistance.

8. SPECIFICATIONS

Component	Detail
Processor	AMD Ryzen 7 5700U (8 Cores, 16 Threads, up to 4.3GHz)
Graphics	AMD Radeon RX Vega 8 (Integrated)
RAM	16GB DDR4 SO-DIMM (Expandable up to 64GB)
Storage	512GB PCIe 3.0x4 SSD (Dual NVMe M.2 2280 slots, supports up to 4TB)
Operating System	Windows 11 Pro
Wireless Connectivity	WiFi 6, Bluetooth 5.2
Video Output	1x HDMI 2.0 (4K@60Hz), 1x DisplayPort 1.4 (4K@60Hz), 1x USB 3.2 Gen2 Type-C (4K@60Hz)
USB Ports	2x USB 3.2 Gen2 (Front), 1x USB 3.2 Gen2 Type-C (Front), 4x USB 3.2 Gen1 (Rear)
Audio	1x 3.5mm Audio Jack (Front)
Network	1x Gigabit Ethernet (RJ45)
Dimensions	Approximately 6.3 x 6.3 x 4.6 inches (Package Dimensions)
Weight	Approximately 2.56 pounds

AMD Ryzen 7 5700U

effortlessly handling high-load multitasking

4.3 GHz

Turbo Boost

1.8 GHz

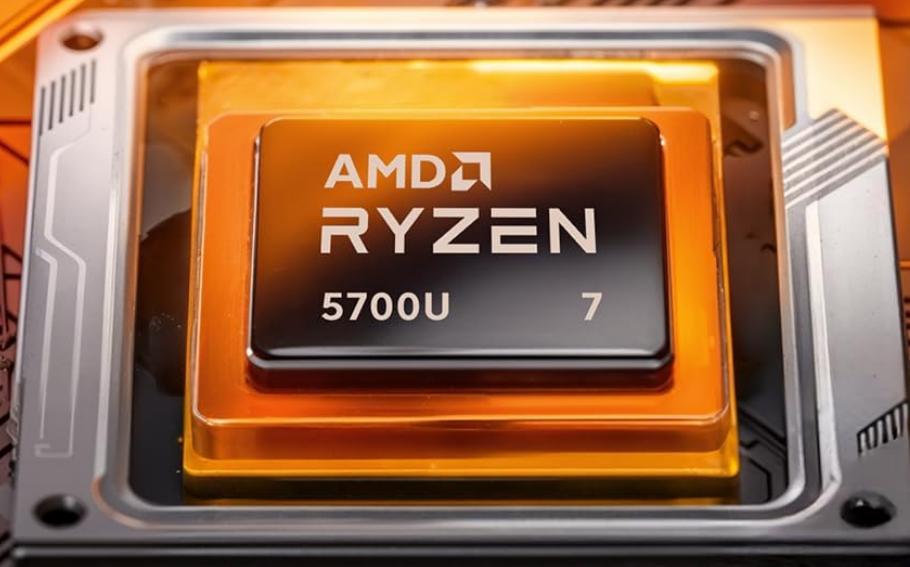
Base Frequency

8 Cores

16 Threads

28W TDP MAX

TSMC 7nm FinFET



Cinebench R23 Single Core & Multi Core

Image: Detailed specifications of the AMD Ryzen 7 5700U processor, including clock speed, core count, and TDP.

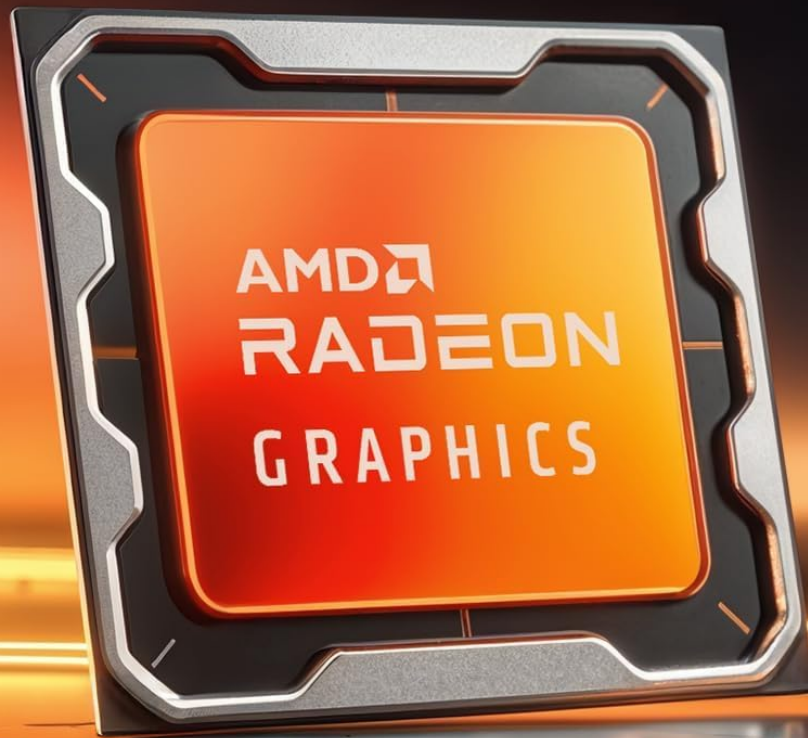
AMD Radeon RX **Vega 8**

8 CU

GPU Cores

2000 MHz

GPU Frequency



With 8 compute units and **4K UHD** support, the Vega architecture ensures smooth gaming, entertainment, and excellent multitasking and creativity.

Image: Specifications of the integrated AMD Radeon RX Vega 8 graphics, including GPU cores and frequency.

Smooth Performance High-Speed Storage Channel

Supports **up to 64GB** DDR4 3200MHz memory, Supports M.2 2280 SSD with **up to 4TB** expansion, offering fast boot and file loading speeds while providing ample storage for various needs



16GB
DDR4 RAM



512GB
M.2 SSD, MAX 2TB






Image: Internal view of the ACEMAGIC K1 Mini PC, highlighting the 16GB DDR4 RAM and 512GB M.2 SSD, and showing the dual M.2 2280 SSD slots.

9. WARRANTY AND SUPPORT

The ACEMAGIC K1 Mini PC comes with a **3-year warranty**. For technical assistance or warranty claims, please contact ACEMAGIC customer support. **24/7 tech support** is available to assist you with any product-related inquiries or issues.

For the most up-to-date support information, please visit the official ACEMAGIC website or refer to the contact details provided with your purchase documentation.

Related Documents - K1

<div>User Manual</div> <div></div> <div>AX15</div>	<p>ACEMAGIC AX15 User Manual</p> <p>User manual for the ACEMAGIC AX15 notebook, covering specifications, safety guidelines, and touchpad usage.</p>
<div>Adjusting Power Mode on LX15Pro</div> <div></div>	<p>Adjusting Power Mode on ACEMAGIC LX15Pro Laptop</p> <p>Learn how to adjust the power mode settings on your ACEMAGIC LX15Pro laptop to optimize battery life and performance. This guide provides step-by-step instructions for Windows.</p>
<div>User Manual</div> <div></div> <div>AX17</div>	<p>ACEMAGIC AX17 User Manual</p> <p>User manual for the ACEMAGIC AX17 laptop, detailing its features, specifications, and usage instructions. Includes safety notices and touchpad operation guide.</p>
<div>User Manual</div> <div></div> <div>AX15</div>	<p>ACEMAGIC AX15 User Manual: Features, Specifications, and Operation Guide</p> <p>Comprehensive user manual for the ACEMAGIC AX15 laptop, detailing specifications, features, safety instructions, and touchpad operation. Includes Intel Alder Lake-N95 processor, 16GB RAM, 512GB storage, and 15.6-inch FHD display.</p>
<div>S1 Video Tutorial Script</div> <div></div>	<p>S1 Software Tutorial: Customizing Display Themes</p> <p>Learn how to customize display themes using the S1 software. This guide covers changing backgrounds, adding and editing text, adjusting font styles, and managing display settings for the ACEMAGIC S1 Mini Tower PC.</p>

User Manual



LX15PRO

[ACEMAGIC LX15PRO Laptop User Manual: Features, Specifications, and Operation](#)

A comprehensive user manual for the ACEMAGIC LX15PRO laptop, covering its welcome message, package contents, detailed product specifications, safety notices, and touchpad usage instructions. Designed for both study and entertainment.