ACEMAGIC K1

ACEMAGIC K1 Mini PC User Manual

Model: K1 | Brand: ACEMAGIC

1. INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your ACEMAGIC K1 Mini PC. Please read these instructions carefully before using the device to ensure optimal performance and longevity. Keep this manual for future reference.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1 x ACEMAGIC K1 Mini PC
- 1 x HDMI Cable
- 1 x Power Adapter
- 1 x User Manual
- 1 x VESA Mount with Screws

3. PRODUCT OVERVIEW

The ACEMAGIC K1 Mini PC is a compact desktop computer designed for various computing tasks. Familiarize yourself with the device's ports and features.

This image displays the front and rear panels of the ACEMAGIC K1 Mini PC, highlighting its various connectivity options. The front panel includes a Type-C port, two USB 3.2 Gen2x2 ports, a 3.5mm audio jack, and the power button. The rear panel features an HDMI 2.0 port, a DC power input, a DP1.4b port, an RJ45 Gigabit Ethernet port, and four USB 3.2 Gen1x4 ports.

Front Panel Ports:

- **Type-C Port:** For data transfer and display output (DP1.4).
- **USB 3.2 Gen2x2 Ports (x2):** High-speed data transfer.
- **3.5mm Audio Jack:** For headphones or external speakers.
- **Power Button:** To power on/off the device.

Rear Panel Ports:

- **HDMI 2.0 Port:** For connecting to a display.
- **DC Power Input:** For connecting the power adapter.
- **DP1.4b Port:** For connecting to a display.
- **RJ45 Gigabit Ethernet Port:** For wired network connection.
- **USB 3.2 Gen1x4 Ports (x4):** For connecting peripherals.

4. SETUP INSTRUCTIONS

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

1. **Connect Peripherals:** Connect your keyboard, mouse, and other USB devices to the available USB ports.

2. **Connect Display:** Connect your monitor(s) to the HDMI, DP1.4b, or Type-C (DP1.4) ports using appropriate cables.

3. **Connect Network (Optional):** For a wired connection, connect an Ethernet cable from your router or modem to the RJ45 Gigabit Ethernet port. For Wi-Fi, you will configure it during the initial Windows setup.

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.

5. **Power On:** Press the power button on the front panel. The device will boot up, and the Windows 11 Pro operating system will begin its initial setup process. Follow the on-screen instructions to complete the setup.

5. OPERATING INSTRUCTIONS

Power On/Off:

- **To Power On:** Press the power button once.
- **To Power Off:** Click the Start button in Windows, then select Power > Shut down. Alternatively, press and hold the power button for 5 seconds to force a shutdown (use only if the system is unresponsive).

Network Connectivity:

- **Wired Ethernet:** If an Ethernet cable is connected, the system will automatically detect and use the wired network.
- **Wi-Fi:** To connect to a wireless network, click the Wi-Fi icon in the taskbar, select your desired network, enter the password, and click Connect.

Multiple Display Setup:

The ACEMAGIC K1 supports up to three 4K@60Hz displays simultaneously using its HDMI 2.0, DP1.4b, and Type-C (DP1.4) ports.

This image demonstrates the triple display support of the ACEMAGIC K1 Mini PC. It can connect to three 4K@60Hz monitors simultaneously using its Type-C (DP1.4), DP1.4, and HDMI 2.0 ports, enabling an extended workspace.

After connecting multiple monitors, right-click on the desktop, select 'Display settings', and configure your display arrangement (Extend, Duplicate, etc.) as needed.

6. STORAGE AND MEMORY EXPANSION

The ACEMAGIC K1 Mini PC offers flexible options for expanding its storage and memory.

Tested for Tough Environments

Backed By 8 Stringent Laboratory Tests, It Delivers Reliable Performance In Demanding Conditions, Ensuring Everyday Reliability For Your Daily Use.

Humidity	Low temperature	High temperature	Severe temperature
Vibration	Mechanical shock	Explosion-proof	Sea turbulence

This diagram illustrates the storage expansion capabilities of the ACEMAGIC K1 Mini PC. It supports up to 64GB of DDR4 RAM via dual SO-DIMM slots and up to 4TB of storage using standard M.2 2280 SATA/NVMe SSDs.

Memory (RAM) Expansion:

- The device comes with 16GB DDR4 RAM.
- It features dual SO-DIMM DDR4 slots, supporting up to 64GB (32GB + 32GB) of memory.
- To upgrade, ensure the device is powered off and disconnected from power. Refer to the maintenance section for accessing internal components.

Storage (SSD) Expansion:

- The device includes a 512GB M.2 SSD for fast boot and load times.
- It supports up to 4TB total storage using standard M.2 2280 SATA/NVMe SSDs.
- This allows for scaling storage for large files without needing to replace the entire system.

7. Cooling System

The ACEMAGIC K1 Mini PC incorporates an advanced cooling system to maintain stable performance and quiet operation.

Grand Slam interface

Type-C	USB3.2 Gen2×2	3.5mm Audio Jack	Power Button	HDMI 2.0	DC	DP 1.4b	RJ45 Gigabit Ethernet Port	USB3.2 Gen1×4

This diagram highlights the intelligent heat dissipation design of the ACEMAGIC K1 Mini PC. It features an upgraded cooling system with high-conductivity aluminum, an 80mm silent fan, and dual air outlets, designed to maintain stable 28W performance

quietly.

- **Components:** High-conductivity aluminum heatsink, 80mm silent fan, and dual air outlets.
- **Performance:** Designed to keep the 28W Ryzen 3 4300U processor running cool and quiet, preventing thermal throttling during extended use.
- **Noise Reduction:** Optimized for minimal noise output, suitable for home and office environments.

8. CONNECTIVITY

The ACEMAGIC K1 Mini PC offers robust wireless and wired connectivity options.

This image showcases the high-speed wireless connectivity of the ACEMAGIC K1 Mini PC, featuring Wi-Fi 5 (802.11ac) for faster and more stable wireless transmission, and integrated Bluetooth 4.2 for efficient and low-power data transmission.

- **Wi-Fi 5 (802.11ac):** Provides fast and stable wireless internet access.
- **Bluetooth 4.2:** Enables efficient and low-power wireless connection to compatible devices such as keyboards, mice, and audio peripherals.
- **Gigabit Ethernet:** For reliable and high-speed wired network connections.

9. MAINTENANCE

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

ACEMAGIC
Kron Mini K1
Powered by AMD RYZEN 3 4300U

This image provides an exploded view of the ACEMAGIC K1 Mini PC, illustrating its internal components such as the motherboard, cooling fan, and chassis. This view can be helpful for understanding the device's construction and for potential upgrades or maintenance.

- **Cleaning:** Regularly clean the exterior of the Mini PC with a soft, dry cloth. Use compressed air to clear dust from ventilation openings. Ensure the device is powered off and unplugged before cleaning.
- **Software Updates:** Keep your Windows 11 Pro operating system and drivers updated to ensure security and performance. Access Windows Update through Settings.
- **Internal Access:** For memory or storage upgrades, carefully open the chassis. Ensure you follow proper anti-static procedures to prevent damage to components. If unsure, seek professional assistance.
- **Environmental Conditions:** Operate the Mini PC in a well-ventilated area, away from direct sunlight, excessive heat, and moisture.

10. TROUBLESHOOTING

This section addresses common issues you might encounter with your ACEMAGIC K1 Mini PC.

Problem	Possible Solution
No power / Device does not turn on	Ensure the power adapter is securely connected to both the Mini PC and a working power outlet. Test the outlet with another device.
No display on monitor	Check all display cable connections (HDMI, DP, USB-C). Ensure the monitor is powered on and set to the correct input source. Try a different cable or monitor if possible.
No internet connection (Wi-Fi/Ethernet)	For Ethernet, check the cable connection and router status. For Wi-Fi, ensure Wi-Fi is enabled in Windows settings, and you are connected to the correct network with the correct password. Restart your router/modem.
System is slow or unresponsive	Close unnecessary applications. Check Task Manager for high CPU/RAM usage. Ensure Windows and drivers are updated. Consider running a disk cleanup.
Peripherals (keyboard/mouse) not working	Try connecting to a different USB port. For wireless peripherals, check battery levels and ensure they are properly paired.

If you encounter issues not covered here, or if the problem persists, please contact ACEMAGIC customer support.

11. SPECIFICATIONS

Key technical specifications for the ACEMAGIC K1 Mini PC:

Feature	Detail
Processor	AMD Ryzen 3 4300U (4 Cores/4 Threads, 2.7GHz base / 3.7GHz boost)
Graphics	AMD Radeon Vega 5 Graphics (Integrated)
RAM	16GB DDR4 (Expandable up to 64GB via 2x SO-DIMM slots)
Storage	512GB M.2 SSD (Expandable up to 4TB via M.2 2280 SATA/NVMe SSD slot)
Operating System	Windows 11 Pro (Pre-installed)
Video Output	HDMI 2.0, DP1.4b, Type-C (DP1.4) - Supports Triple 4K@60Hz Displays
USB Ports	2x USB 3.2 Gen2x2 (Front), 4x USB 3.2 Gen1x4 (Rear)
Network	Gigabit Ethernet, Wi-Fi 5 (802.11ac)
Bluetooth	Bluetooth 4.2
Audio	3.5mm Audio Jack
Dimensions	Approximately 5.05 × 5.05 × 1.61 inches
Weight	Approximately 1.1 lbs

12. WARRANTY AND SUPPORT

ACEMAGIC is committed to providing reliable products and customer satisfaction.

This image outlines ACEMAGIC's commitment to customer satisfaction, including a 12-month warranty, dedicated customer service support, and lifetime technical assistance for the product.

- **Warranty:** Your ACEMAGIC K1 Mini PC is covered by a 12-month warranty from the date of purchase. This warranty covers manufacturing defects and hardware malfunctions under normal use.

- **Technical Support:** ACEMAGIC provides lifetime technical support for its products. If you encounter any issues or have questions, please contact our professional after-sales team.
- **Contact Information:** Refer to the contact details provided on the ACEMAGIC official website or your purchase documentation for support.