

ACEMAGIC K1

ACEMAGIC K1 Mini PC User Manual

Model: K1 | Brand: ACEMAGIC

1. INTRODUCTION AND OVERVIEW

The ACEMAGIC K1 Mini PC is a compact and powerful desktop computer designed for a wide range of tasks, from daily productivity to 4K multimedia. Featuring an Intel Core i5-12600H processor, 16GB DDR4 RAM, and a 512GB NVMe SSD, it delivers robust performance in a small form factor. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your device.



Image 1.1: ACEMAGIC K1 Mini PC with highlighted features.

Key Features:

- **Processor:** Intel Core i5-12600H (12 Cores/16 Threads, up to 4.5 GHz)
- **Graphics:** Integrated Intel Iris Xe Graphics (max 1.40 GHz)
- **Memory:** 16GB DDR4 RAM (expandable up to 64GB)

- **Storage:** 512GB M.2 2280 NVMe PCIe 3.0 SSD (expandable with a second M.2 NVMe or SATA SSD)
- **Operating System:** Pre-installed Windows 11 Pro
- **Display Support:** Triple 4K UHD display output via HDMI, DisplayPort 1.4, and USB-C
- **Connectivity:** Wi-Fi 6, Bluetooth 5.2, Gigabit Ethernet
- **Ports:** Multiple USB 3.2 Gen 1/Gen 2 Type-A, USB 3.2 Gen 2 Type-C, HDMI 2.0, DP 1.4, 3.5mm Audio Jack
- **Design:** Ultra-compact and VESA mount compatible

2. SETUP INSTRUCTIONS

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

2.1 Box Contents

Before you begin, ensure all items are present in the box:

- ACEMAGIC K1 Mini PC
- Power Adapter
- HDMI Cable
- VESA Mount Bracket and Screws
- User Manual



Image 2.1: Included accessories.

2.2 Connecting Peripherals

1. **Connect Display:** Use the provided HDMI cable to connect your monitor to the HDMI port on the Mini PC. Alternatively, use a DisplayPort or USB-C cable for other display options.
2. **Connect Keyboard and Mouse:** Plug your USB keyboard and mouse into the available USB ports. For wireless peripherals, ensure they are paired via Bluetooth or connected via their respective USB dongles.
3. **Connect Power:** Plug the power adapter into the DC IN port on the Mini PC, then connect the adapter to a power outlet.
4. **Network Connection (Optional):** For a wired connection, connect an Ethernet cable to the RJ45 port.

For wireless, Wi-Fi 6 is available after initial setup.



Image 2.2: ACEMAGIC K1 Mini PC front view.

2.3 Initial Power-On

Press the power button located on the front of the Mini PC. The device will boot up, and you will be guided through the Windows 11 Pro initial setup process. Follow the on-screen instructions to configure your operating system settings.

3. OPERATING INSTRUCTIONS

This section details how to operate your ACEMAGIC K1 Mini PC effectively.

3.1 Power On/Off

- **Power On:** Press the power button once.
- **Shut Down:** Click the Windows Start button, then select Power > Shut down.
- **Restart:** Click the Windows Start button, then select Power > Restart.
- **Sleep:** Click the Windows Start button, then select Power > Sleep.

3.2 Network Connectivity

The Mini PC supports both wired and wireless network connections.

- **Wi-Fi 6:** After initial setup, navigate to Windows Settings > Network & internet > Wi-Fi to connect to your wireless network.
- **Gigabit Ethernet:** If an Ethernet cable is connected, the system will automatically detect and use the wired connection.



Image 3.1: High-speed wireless connectivity (Wi-Fi 6 & Bluetooth 5.2).

3.3 Bluetooth Device Connection

To connect Bluetooth devices (e.g., headphones, speakers, keyboard, mouse):

1. Ensure your Bluetooth device is in pairing mode.
2. On your Mini PC, go to Windows Settings > Bluetooth & devices.
3. Turn on Bluetooth and click "Add device" to find and pair your device.

3.4 Multiple Display Setup

The ACEMAGIC K1 supports up to three 4K displays simultaneously.

- Connect displays using the HDMI 2.0, DisplayPort 1.4, and USB 3.2 Gen 2 Type-C (with DP 1.4 support) ports.
- Once connected, right-click on the desktop, select "Display settings," and configure your displays (extend, duplicate, etc.).

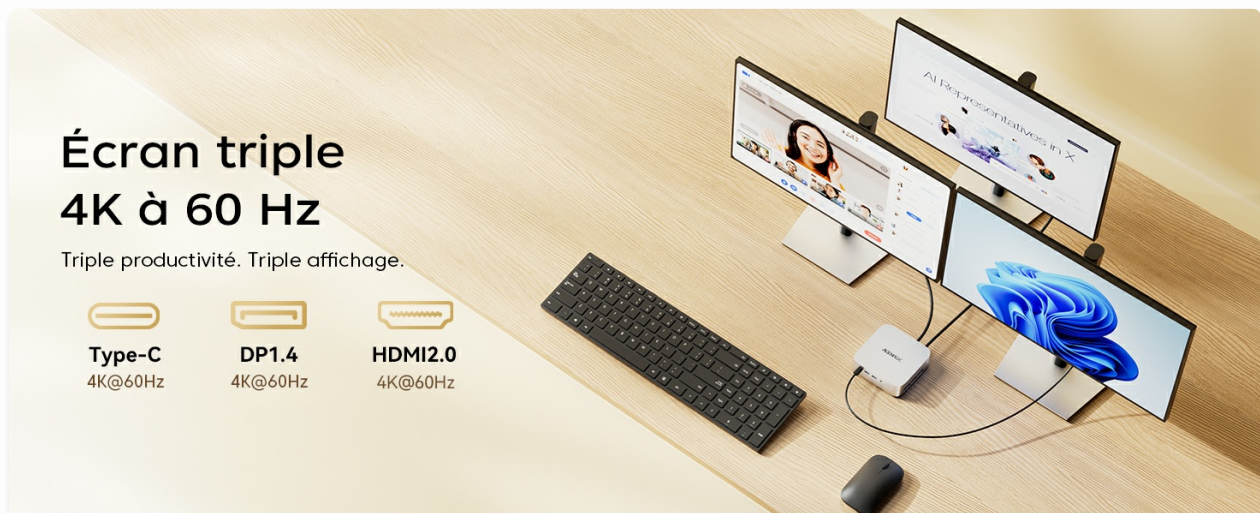


Image 3.2: Triple 4K display setup.

3.5 Storage Expansion

The Mini PC allows for easy storage expansion:

- It supports adding a second M.2 2280 NVMe or SATA SSD.
- Refer to the detailed instructions in the full user manual for physical installation of additional storage.

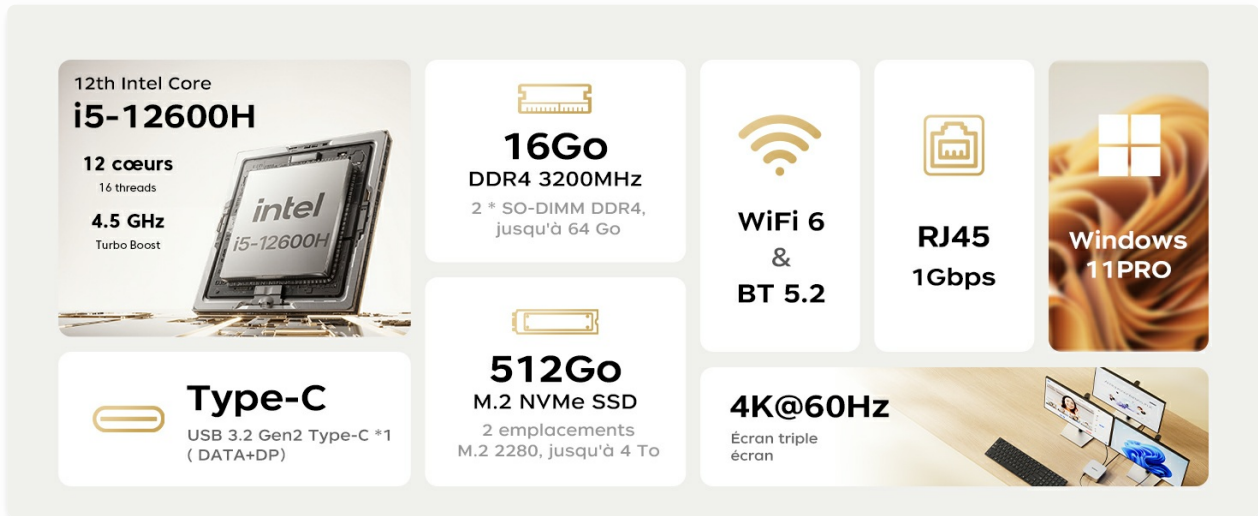


Image 3.3: Storage expansion options.

4. MAINTENANCE

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

4.1 Cleaning

- Use a soft, dry cloth to clean the exterior of the device.
- Avoid using liquid cleaners or sprays directly on the Mini PC.
- Periodically use compressed air to clear dust from ventilation openings.

4.2 Ventilation

The ACEMAGIC K1 features an advanced cooling system. To ensure efficient heat dissipation:

- Place the Mini PC in a well-ventilated area.
- Do not block the air vents.
- Avoid operating the device in excessively hot or dusty environments.

Extension de capacité importante

: dites adieu aux soucis de stockage



512Go M.2 2280
NVMe PCIe3.0 SSD

(Emplacements M.2 2280 SATA et NVMe x 1,
emplacements M.2 2280 NVMe x 1, jusqu'à 4 To)



Image 4.1: Advanced cooling system components.

4.3 Software Updates

Regularly update your Windows 11 Pro operating system and drivers to ensure security, stability, and optimal performance. Go to Windows Settings > Windows Update to check for and install updates.

5. TROUBLESHOOTING

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

5.1 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.
- Try a different power outlet if available.

5.2 No Display Output

- Check that the display cable (HDMI, DP, USB-C) is securely connected to both the Mini PC and the monitor.
- Ensure the monitor is powered on and set to the correct input source.
- Try a different display cable or monitor if possible.

5.3 Network Connectivity Issues

- **Wi-Fi:** Check if Wi-Fi is enabled in Windows settings. Restart your router and the Mini PC.
- **Ethernet:** Ensure the Ethernet cable is properly connected. Check your router's status.
- Update network drivers if necessary.

5.4 System Slowdown or Freezing

- Close unnecessary applications running in the background.
- Check Task Manager (Ctrl+Shift+Esc) for processes consuming high CPU, RAM, or disk usage.
- Ensure the Mini PC has adequate ventilation to prevent overheating.

- Run a system scan for malware or viruses.

If you continue to experience issues, please refer to the Warranty and Support section for assistance.

6. SPECIFICATIONS

Detailed technical specifications for the ACEMAGIC K1 Mini PC.

Feature	Specification
Brand	ACEMAGIC
Model Name	K1
Operating System	Windows 11 Pro
CPU Model	Intel Core i5-12600H
CPU Speed	2.7 GHz (Base), up to 4.5 GHz (Max Turbo)
Number of Processors	12 (Cores)
Cache Size	18 MB
Graphics Coprocessor	Integrated Intel Iris Xe Graphics
Installed RAM	16 GB DDR4
Maximum RAM Size	64 GB
Storage Capacity	512 GB NVMe SSD
Hard Drive Technology	SSD
Connectivity Technology	Ethernet, HDMI, USB
Wireless Technology	Wi-Fi 6 (802.11ax), Bluetooth 5.2
Video Output Interface	HDMI 2.0, DisplayPort 1.4, USB-C (DP 1.4 compatible)
Total USB Ports	7 (2x USB 3.2 Gen 2 Type-A, 4x USB 3.2 Gen 1 Type-A, 1x USB 3.2 Gen 2 Type-C)
Total HDMI Ports	1
Maximum Display Resolution	3840 x 2160 (4K)
Compatible Devices	Headphones, Keyboard, Speaker, Printer, Monitor, Projector, Mouse, Television
Power Plug Type	Type E/F – 2 pins (EU Hybrid)

Feature	Specification
Warranty	1 Year

Conception minimaliste petite et portable



Image 6.1: Overview of available ports.

7. WARRANTY AND SUPPORT

ACEMAGIC is committed to providing high-quality products and excellent customer service.

7.1 Product Warranty

The ACEMAGIC K1 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.

7.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact ACEMAGIC customer support through the following channels:

- **Live Chat:** Available 24/7 for immediate assistance.
- **Email Support:** Send your inquiries via email for detailed responses.
- **Help Center:** Access online guides, FAQs, and resources.



Image 7.1: ACEMAGIC support commitment.

You can find more information and contact details on the official ACEMAGIC website or through your purchase platform.