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## ACEMAGIC V1

# ACEMAGIC Vista Mini V1 Mini PC User Manual

Model: V1 (Intel N97, 16GB DDR4, 1TB SSD)

## 1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your ACEMAGIC Vista Mini V1 Mini PC. Please read this manual thoroughly before using the product to ensure proper functionality and to prevent damage.



Figure 1.1: ACEMAGIC Vista Mini V1 Mini PC. This image displays the compact, silver-colored mini PC from a slightly elevated angle, showcasing the ACEMAGIC logo on top, two USB ports, and an audio jack on the front panel, along with the power button.

## 2. PACKAGE CONTENTS

Verify that all items are present in the package:

- ACEMAGIC Vista Mini V1 Mini PC
- Power Adapter
- HDMI Cable
- VESA Mount (for monitor or wall installation)
- User Manual (this document)

### 3. PRODUCT OVERVIEW

The ACEMAGIC Vista Mini V1 is a compact and powerful mini PC designed for various applications, from office tasks to multimedia entertainment. It features a 12th Gen Intel Alder Lake-N N97 processor, 16GB DDR4 RAM, and a 1TB SSD.

#### 3.1 External Features and Ports

Familiarize yourself with the various ports and buttons on your Mini PC:



Figure 3.1: Front and Rear Ports of the ACEMAGIC Vista Mini V1. The top part of the image shows the front panel with a power

button, two USB 3.2 Gen2 Type-A ports, and a 3.5mm audio jack. The bottom part illustrates the rear panel, featuring a LAN port (RJ45 1000M), HDMI 2.0 port, DisplayPort 1.4, two USB 2.0 Type-A ports, and a DC IN jack.

- **Front Panel:** Power Button, 2 x USB 3.2 Gen2 Type-A Ports (10Gbps), 1 x 3.5mm Audio Jack.
- **Rear Panel:** 1 x RJ45 Gigabit Ethernet Port (10M/100M/1000M), 1 x HDMI 2.0 Port (4K@60Hz), 1 x DisplayPort 1.4 (4K@60Hz), 2 x USB 2.0 Type-A Ports, 1 x DC IN Port.

## 3.2 Internal Components

The internal design of the Mini PC is optimized for performance and cooling.

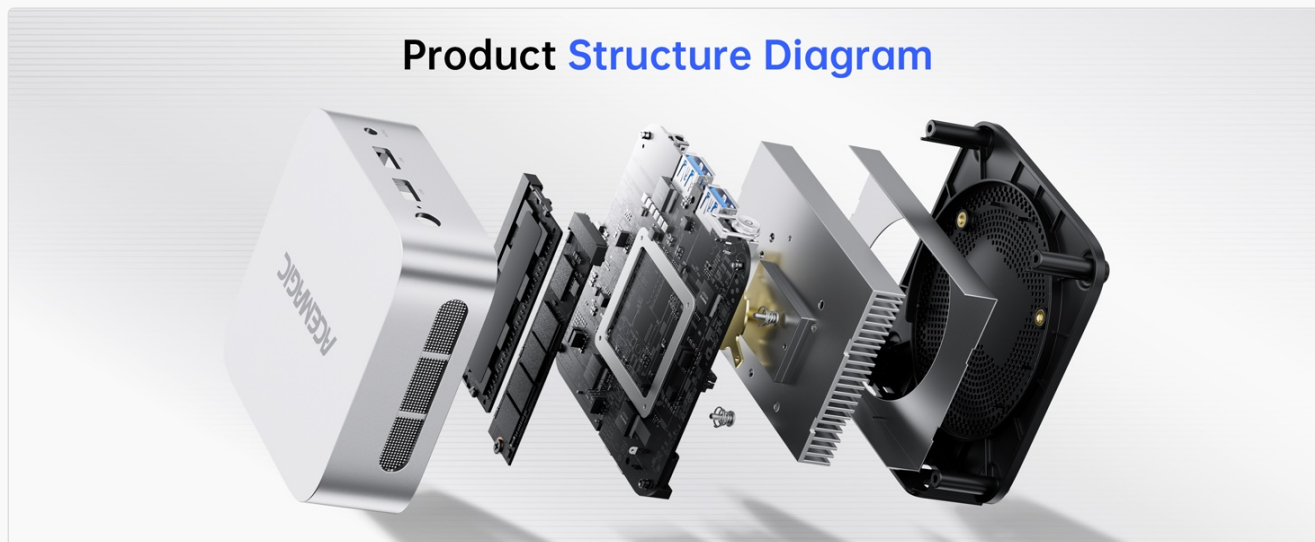


Figure 3.2: Exploded view of the ACEMAGIC Vista Mini V1. This diagram shows the internal components of the mini PC, including the motherboard, cooling fan, heatsink, and storage drive, illustrating its modular design.

## 4. SETUP GUIDE

### 4.1 Connecting Peripherals

1. **Connect Display:** Use the provided HDMI cable or a DisplayPort cable to connect your monitor to the HDMI 2.0 or DP 1.4 port on the rear of the Mini PC.
2. **Connect Keyboard and Mouse:** Plug your USB keyboard and mouse into any available USB ports (USB 3.2 on the front or USB 2.0 on the rear). For wireless peripherals, ensure they are paired via Bluetooth or connected via their respective USB dongles.
3. **Connect Network (Optional):** For a wired internet connection, connect an Ethernet cable from your router or modem to the RJ45 Gigabit Ethernet port on the rear.

### 4.2 Powering On

1. **Connect Power Adapter:** Plug the power adapter into the DC IN port on the rear of the Mini PC, then plug the adapter into a power outlet.
2. **Power On:** Press the power button located on the front panel of the Mini PC. The power indicator light will illuminate.

### 4.3 Initial Operating System Setup

The Mini PC comes pre-installed with Windows 11 Pro. Upon first boot, follow the on-screen instructions to complete the initial Windows setup, including language selection, network connection, account creation, and privacy settings.

## 5. OPERATING SYSTEM

The ACEMAGIC Vista Mini V1 is pre-installed with **Windows 11 Pro**, offering a secure and efficient computing environment. It also supports other operating systems such as Windows 10 Pro, Ubuntu, and Linux, providing flexibility for advanced users.

# Multiple Operating Systems

Supported OS: Win 11 Pro/ Win 10 Pro/Ubuntu/Linux



Figure 5.1: ACEMAGIC Vista Mini V1 supporting various operating systems. This image shows the mini PC connected to a monitor displaying Windows 11 Pro, with overlays indicating support for Windows 10 Pro, Ubuntu, and Linux.

## 6. STORAGE EXPANSION

The Mini PC is equipped with a 1TB SSD. For additional storage, you can expand the memory up to 2TB by adding an M.2 NVMe PCIe 3.0 SSD or an M.2 SATA SSD. Refer to the product's internal structure diagram (Figure 3.2) for the location of the M.2 slot. Professional installation is recommended for storage upgrades.

## 7. CONNECTIVITY

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### 7.1 Wired Connectivity

- **Ethernet:** The 10M/100M/1000M RJ45 Gigabit Ethernet Port provides a stable and high-speed wired network connection.

### 7.2 Wireless Connectivity

- **Wi-Fi:** Built-in Wi-Fi 5 (802.11ac) ensures reliable and fast wireless internet access.
- **Bluetooth:** Integrated Bluetooth 4.2 allows for seamless connection with various wireless peripherals such as keyboards, mice, headsets, and other compatible devices.

## 8. DISPLAY CONFIGURATION

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The ACEMAGIC Vista Mini V1 supports dual display output and 4K UHD resolution, enhancing productivity and visual experience.

### 8.1 Connecting Displays

Connect your monitors to the HDMI 2.0 and DisplayPort 1.4 ports on the rear of the Mini PC. Both ports support 4K@60Hz output.

### 8.2 Dual Display Setup

To set up a dual display configuration:

1. Connect two monitors to the HDMI and DisplayPort outputs.
2. Once both monitors are connected and powered on, Windows will typically detect them automatically.
3. To configure display settings (e.g., extend or duplicate displays), right-click on the desktop, select 'Display settings', and adjust as needed.

# Dual-screen UHD Display

Immersive Dual-Screen Experience

  
HDMI 2.0  
4K@60Hz x1

  
DP 1.4  
4K@60Hz x1



Figure 8.1: Dual-screen UHD Display setup with ACEMAGIC Vista Mini V1. This image shows the mini PC connected to two monitors, demonstrating an extended desktop setup for enhanced productivity with 4K UHD resolution.

## 9. COOLING SYSTEM

The Vista Mini V1 incorporates an advanced cooling system to ensure stable and quiet operation, even under load.

- **Internal Cooling Technology:** Precision cutouts facilitate direct airflow to internal components, utilizing 180° dual exhaust for efficient convection cooling.
- **Upgraded Axial Fan:** The axial fan efficiently dissipates heat with high efficiency. Its optimized blade design ensures strong airflow and quiet operation, maintaining up to 15W of sustained performance.



Figure 9.1: ACEMAGIC Vista Mini V1 Cooling System. This diagram illustrates the internal airflow and fan design, highlighting the efficient heat dissipation mechanism of the mini PC.

## 10. SPECIFICATIONS

Detailed technical specifications for the ACEMAGIC Vista Mini V1 Mini PC:

Feature	Specification
Model	ACEMAGIC Vista Mini V1
Processor	Intel Alder Lake-N N97 Processor (4 Cores/4 Threads, 6M Intel Smart Cache, 2.0GHz, MAX TO 3.6GHz)
Integrated Graphics	Intel UHD Graphics (Graphics Max Dynamic Frequency 1.20 GHz, Execution Units 24EUs)
Memory	16GB DDR4 SO-DIMM
Storage	1TB SSD (M.2 2280 PCIe & SATA Slot * 1 for expansion up to 2TB)
Network	Wi-Fi 5, Bluetooth 4.2, Gigabit Ethernet (RJ45 1000M)
Ports (Front)	2 x USB 3.2 Type-A, 1 x 3.5mm Audio Jack
Ports (Rear)	1 x RJ45, 1 x HDMI 2.0, 1 x DP 1.4, 2 x USB 2.0 Type-A, 1 x DC IN
Operating System	Windows 11 Pro (supports Windows 10 Pro, Ubuntu, Linux)
Dimensions	100mm x 100mm x 33mm (approx. 3.9 x 3.9 x 1.3 inches)
Material	ABS + PC (Silver color)
Item Weight	1.37 pounds

## 11. TROUBLESHOOTING

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

### 11.1 No Power

- **Check Power Connection:** Ensure the power adapter is securely connected to the Mini PC and a working power outlet.
- **Verify Outlet:** Test the power outlet with another device to confirm it is functional.
- **Power Button:** Ensure the power button is pressed firmly.

### 11.2 No Display Output

- **Cable Connection:** Verify that the HDMI or DisplayPort cable is securely connected to both the Mini PC and the monitor.
- **Monitor Input:** Ensure your monitor is set to the correct input source (HDMI or DisplayPort).

- **Test with Another Monitor/Cable:** If possible, test the Mini PC with a different monitor or cable to rule out display or cable issues.

### 11.3 No Internet Connection

- **Wired Connection:** Check the Ethernet cable connection to both the Mini PC and your router/modem. Verify router/modem status.
- **Wi-Fi Connection:** Ensure Wi-Fi is enabled in Windows settings and you are connected to the correct network with the correct password. Restart your router/modem.
- **Driver Issues:** Ensure network drivers are up to date in Device Manager.

### 11.4 Peripherals Not Responding

- **USB Devices:** Try connecting USB devices to different USB ports. Ensure drivers are installed if required.
- **Bluetooth Devices:** Ensure Bluetooth is enabled and devices are properly paired in Windows settings. Check device batteries.

## 12. MAINTENANCE

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To ensure the longevity and optimal performance of your ACEMAGIC Vista Mini V1 Mini PC, follow these maintenance guidelines:

- **Cleaning:** Regularly clean the exterior of the Mini PC with a soft, dry cloth. Use compressed air to gently clear dust from ventilation openings. Do not use liquid cleaners directly on the device.
- **Ventilation:** Ensure the Mini PC is placed in a well-ventilated area and that the air vents are not obstructed.
- **Software Updates:** Keep your operating system and drivers updated to ensure security and performance.
- **Environmental Conditions:** Operate the Mini PC within recommended temperature and humidity ranges. Avoid extreme temperatures and direct sunlight.

## 13. WARRANTY AND SUPPORT

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ACEMAGIC provides comprehensive support for its products.

- **Warranty:** The ACEMAGIC Vista Mini V1 Mini PC typically comes with a 12-month warranty. Please refer to your purchase documentation for specific warranty terms and conditions.
- **Customer Service:** For technical assistance, troubleshooting, or warranty claims, please contact ACEMAGIC customer support.

### 13.1 Contact Information

- **Support Email:** [service@acemagicians.com](mailto:service@acemagicians.com)
- **Telephone (US):** +1 800 908 1980
- **Online Support:** You can also log in to your Amazon buyer account, find your order, and click "Get Help" for assistance.