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## ACEMAGIC S1 N97

# ACEMAGIC S1 N97 Mini PC User Manual

Model: S1 N97 16GB 512GB

## 1. INTRODUCTION

This manual provides essential instructions for setting up, operating, maintaining, and troubleshooting your ACEMAGIC S1 N97 Mini PC. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.

The ACEMAGIC S1 N97 Mini PC is a compact and powerful computing device featuring an Intel Alder Lake-N97 processor, 16GB DDR4 RAM, and a 512GB M.2 SSD. It comes pre-installed with Windows 11, making it suitable for various applications including home use, educational tasks, web browsing, business office work, and digital signage. Its integrated LCD screen provides real-time system status monitoring.

## 2. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.

- 1x ACEMAGIC S1 Mini PC
- 1x Power Adapter
- 1x Base Stand
- 1x HDMI Cable
- 1x User Manual

WIFI6+BT5.2高速で安定な無線と有線LAN接続

より良くインターネット体験を楽しめます！



Image: The ACEMAGIC S1 Mini PC and its included accessories: power adapter, base stand, HDMI cable, and user manual. The mini PC dimensions are approximately 12.4 cm x 12.8 cm x 4.1 cm.

### 3. PRODUCT OVERVIEW

#### 3.1 Front and Rear Panels

The ACEMAGIC S1 Mini PC features a compact design with essential ports for connectivity and an integrated LCD screen for system monitoring.



Image: A detailed view of the ACEMAGIC S1 Mini PC, highlighting its rear ports including two HDMI 2.0, two LAN (RJ45), and a DC power input. The front panel features an LCD screen and an RGB light strip.

### 3.2 Key Features

- **Processor:** Intel Alder Lake-N97 (Max 3.6GHz, 4 Cores, 4 Threads, 6MB Cache)
- **Memory:** 16GB DDR4 RAM
- **Storage:** 512GB M.2 SSD (expandable)
- **Operating System:** Windows 11 Home
- **Graphics:** Intel UHD Graphics (4K@60Hz support)
- **Connectivity:** Wi-Fi 6, Bluetooth 5.2, Dual Gigabit LAN
- **Display:** Integrated LCD screen for real-time system status
- **Ports:** 2x HDMI 2.0, 2x USB 3.0, 2x USB 2.0, 2x RJ45, 1x DC Power, 1x 3.5mm Audio Jack



Image: A visual summary of the ACEMAGIC S1 Mini PC's core specifications and features, including the Intel N97 CPU, 16GB DDR4 RAM, 512GB SSD, Windows 11 Pro, 4K@60Hz display support, Wi-Fi 6, Bluetooth 5.2, and dual RJ45 LAN ports.

## 4. SETUP INSTRUCTIONS

- Connect to Power:** Connect the provided power adapter to the DC power input port on the rear of the Mini PC, then plug the adapter into a power outlet.
- Connect to Display:** Use the included HDMI cable to connect the Mini PC to your monitor or TV. The device supports dual display output via its two HDMI 2.0 ports.
- Connect Peripherals:** Connect your keyboard and mouse to the available USB ports. You can also connect Bluetooth peripherals after the initial setup.

4. **Power On:** Press the power button located on the device. The Mini PC will boot up.
5. **Initial Windows 11 Setup:** Follow the on-screen instructions to complete the Windows 11 setup. It is recommended to defer LAN connection during the initial setup to avoid lengthy OS updates. You can connect to Wi-Fi or LAN after the basic setup is complete. Ensure your keyboard settings are configured for your preferred language (e.g., Japanese keyboard layout).

## 5. OPERATING INSTRUCTIONS

### 5.1 Basic Operation

- **Power On/Off:** Press the power button to turn the device on. To turn off, use the Windows shutdown option or press and hold the power button for a few seconds.
- **Restart:** Use the Windows restart option.
- **Sleep Mode:** The system will enter sleep mode after a period of inactivity, or you can manually activate it via Windows settings.

### 5.2 Using the LCD Screen

The integrated LCD screen on the front panel provides real-time monitoring of your Mini PC's status, including CPU temperature, CPU load, CPU power consumption, memory load, and fan speed.

# PCの状況を可視化ディスプレイに表示

パソコン情報をリアルタイムで更新されて表示することが可能



Image: The Mini PC's LCD screen showing various system metrics such as CPU temperature (80°C), memory load (75%), CPU power (15W), current time, CPU load (65%), and fan speed (3000 RPM). The screen can be customized with different themes and wallpapers.

## Customizing the LCD Screen

The LCD screen can be customized with different themes and wallpapers. To customize:

- Access the S1 software application on your Mini PC.
- Navigate to the theme or wallpaper settings.
- Select your preferred theme or upload a custom wallpaper.
- Click "Confirm" to apply the settings.

## マルチタスクでももっさり感なし

「16GB DDR4高週波メモリ」と「512gb ssd」で、DIYに便利なマグネットカバーデザインで、2TBSSDまで増設可能効率が大幅に向



Image: Screenshots illustrating the S1 software interface for customizing the LCD screen. Users can choose from default themes or upload their own wallpapers, with options for both horizontal and vertical display.

## 6. STORAGE AND MEMORY EXPANSION

The ACEMAGIC S1 Mini PC offers flexible options for storage and memory upgrades.

### 6.1 Storage Expansion

The Mini PC features a magnetic cover design for easy access to internal components, allowing for convenient storage expansion.

- M.2 Slots:** The device includes two M.2 slots. One slot supports SATA M.2 SSDs, and the other supports both NVMe and SATA M.2 SSDs. Each M.2 slot can support up to 2TB.
- SATA SSD:** An additional SATA SSD can be installed for further storage capacity.

# 1秒でストレージの変装でき

ネジ不要で磁気カバーの設計ため、4TB SSDまで簡単に拡張でき

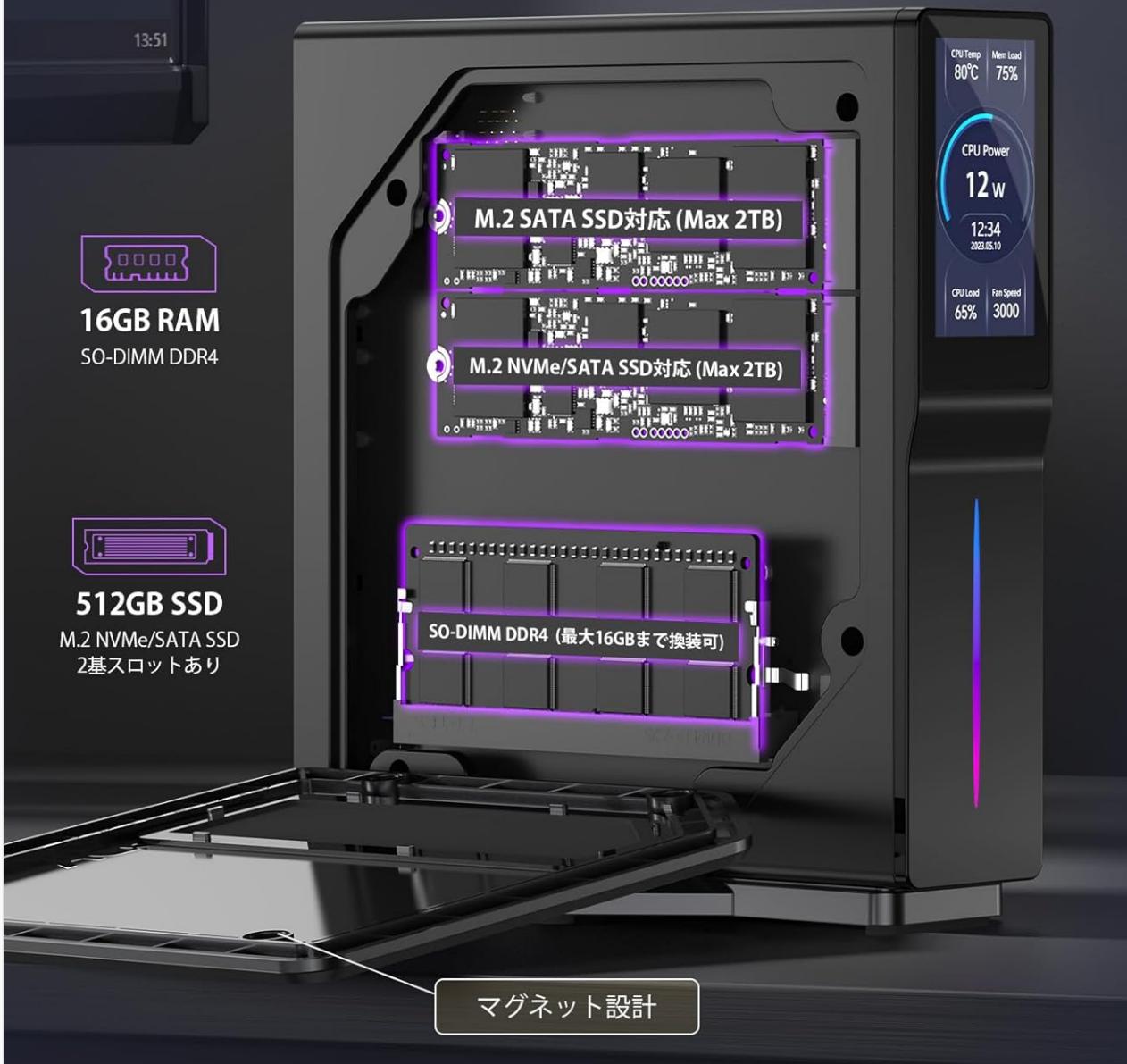


Image: An internal view of the ACEMAGIC S1 Mini PC with the magnetic cover removed, revealing the two M.2 SSD slots (one M.2 SATA, one M.2 NVMe/SATA, each supporting up to 2TB) and the SO-DIMM DDR4 RAM slot (supporting up to 16GB).

## 6.2 Memory Expansion

The Mini PC comes with 16GB DDR4 SO-DIMM RAM. While the official specification states a maximum of 16GB, some users have reported successful operation with 32GB RAM (at your own risk).

## 7. CONNECTIVITY

The ACEMAGIC S1 Mini PC offers robust wired and wireless connectivity options.

### 7.1 Wi-Fi 6

Equipped with Wi-Fi 6 (802.11ax) supporting both 2.4GHz and 5GHz bands, the Mini PC provides significantly

faster and more stable wireless internet connectivity compared to older standards like Wi-Fi 5.



Image: A comparison illustrating the speed advantage of Wi-Fi 6 (dual-band, 867Mbps) over Wi-Fi 5 (single-band, 240Mbps), indicating Wi-Fi 6 is approximately 270% faster.

## 7.2 Bluetooth 5.2

Bluetooth 5.2 enables seamless and stable connections with various wireless devices such as keyboards, mice, speakers, and microphones within a 10-meter range.



Image: A comparison highlighting the improved transfer speed (2Mbps, 2X faster) and transfer distance (300m, 4X farther) of Bluetooth 5.2 compared to Bluetooth 4.2.

## 7.3 Dual Gigabit LAN

The Mini PC is equipped with two RJ45 Gigabit LAN ports, providing flexible networking options for stable and high-speed wired internet connections.

## 静音・高効率の冷却ファンを搭載

作業時高負荷をかけ続けるの妨げになるため  
高回転扇葉は熱を早く発散させ、本体の長時間安定運行を保障する

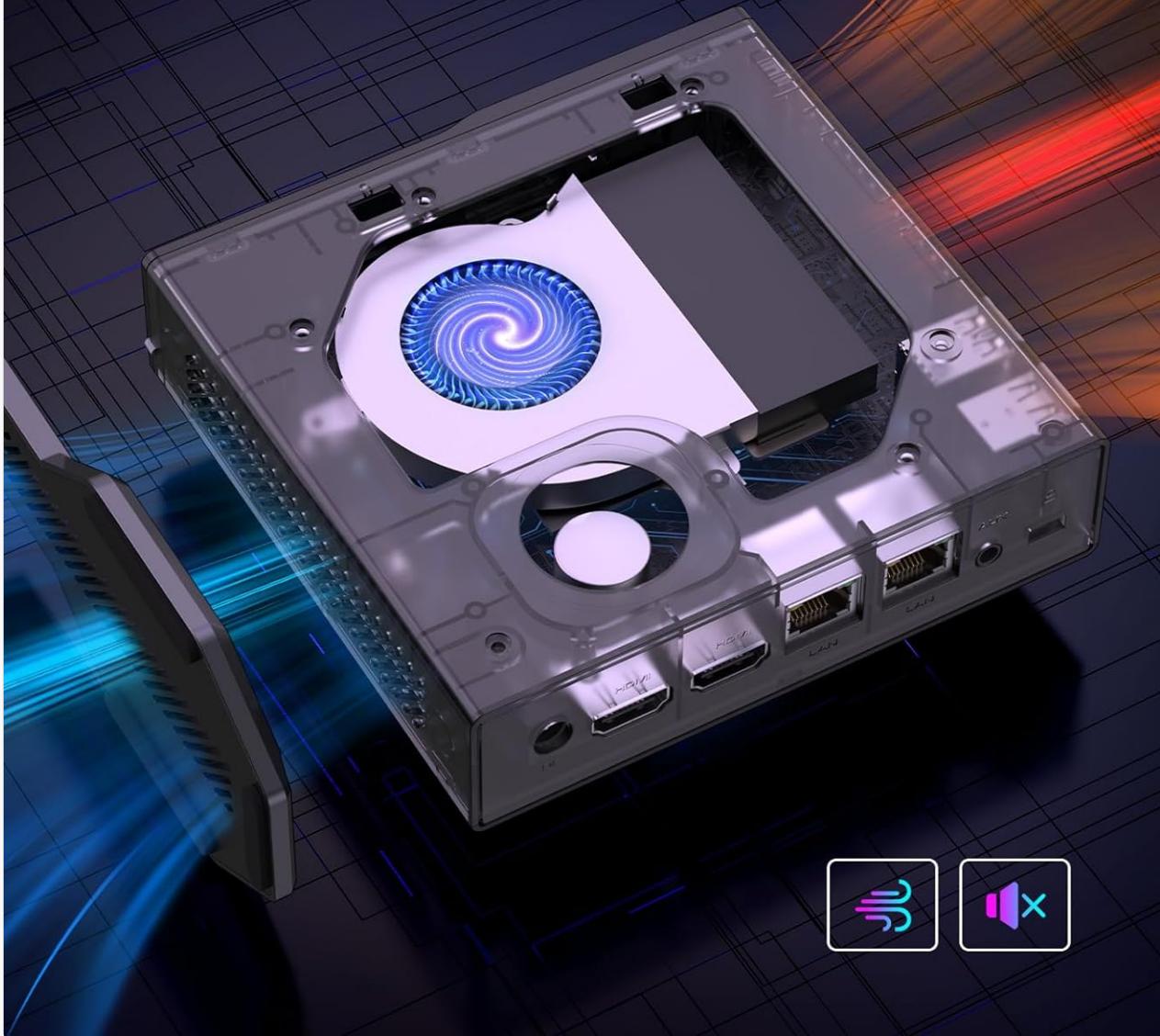


Image: The ACEMAGIC S1 Mini PC connected to a monitor, illustrating its high-speed wireless (Wi-Fi 6, Bluetooth 5.2) and wired (dual 1000Mbps RJ45 LAN) connectivity options for a smooth internet experience.

## 8. DISPLAY AND GRAPHICS

The Mini PC utilizes Intel UHD Graphics, supporting 4K Ultra HD resolution at 60Hz. With two HDMI 2.0 ports, it can support dual display setups, enhancing productivity for business, online education, and remote work.

## 9. MAINTENANCE

## 9.1 Cooling System

The Mini PC incorporates an ultra-quiet cooling fan designed for efficient heat dissipation, ensuring stable long-term operation. To maintain optimal cooling performance, ensure that the air vents are not obstructed.



Image: An internal view of the ACEMAGIC S1 Mini PC, highlighting its quiet and efficient cooling fan designed to quickly dissipate heat and ensure stable operation.

## 9.2 General Care

- Keep the device in a clean, dry environment.
- Avoid exposing the device to extreme temperatures or direct sunlight.
- Clean the exterior with a soft, dry cloth. Do not use liquid cleaners.

## 10. TROUBLESHOOTING

If you encounter any issues with your ACEMAGIC S1 Mini PC, please refer to the following troubleshooting tips. If the problem persists, contact customer support.

- **BIOS Settings:** **Warning!** Incorrect BIOS settings can lead to system instability or boot failure. It is strongly recommended to only change BIOS settings with the support of a qualified service technician.
- **Initial Setup or Interface Input Issues:** If you experience problems during initial setup or with other interface inputs, please contact our customer service team for assistance.
- **System Not Activated:** If your Windows system is not activated, please send a photo of the activation status to our customer service team for prompt resolution.
- **LCD Monitor Not Displaying:** If the LCD monitor is not displaying information, it may be due to missing or outdated drivers. Please contact our customer service team to obtain the necessary driver downloads.
- **Bluetooth or LED Program Issues:** If you have issues with Bluetooth connectivity or the LED program, it may require a driver update. Please contact our customer support team for information and assistance.
- **Windows License (Volume License):** If you find that a volume license version of Windows is pre-installed, you can contact ACEMAGIC customer service with your Amazon order number to request an OEM product key.
- **TFT Panel Display Issues After Windows Update:** If the TFT panel display becomes abnormal after a Windows update (e.g., strange numbers, partial screen display), download the TFT panel and RGB strip setting application from the ACEMAGIC official website. Copy the application to 'program files' and uninstall any previous versions. You may also need to install 'PowerGadget\_3.6' found within the CYX\_TftTool folder to normalize CPU temperature, power, and fan speed readings. Ensure this application is set to start automatically with Windows, otherwise the panel will only display 'Acemagic' instead of real-time status.
- **NVMe SSD Boot Issues:** If installing Windows 11 on an NVMe SSD, ensure it is installed in the second M.2 slot, as the first slot may be SATA-only.

## 11. SPECIFICATIONS

<b>Brand</b>	ACEMAGIC
<b>Model</b>	S1 N97
<b>CPU</b>	Intel Alder Lake-N97 (Max 3.6 GHz, 4 Cores, 4 Threads, 6MB Cache)
<b>RAM</b>	16GB DDR4
<b>Storage</b>	512GB M.2 SSD (Expandable up to 2TB via 2x M.2 slots and 1x SATA SSD)
<b>Graphics</b>	Intel UHD Graphics
<b>Operating System</b>	Windows 11 Home
<b>Wireless Connectivity</b>	Wi-Fi 6 (802.11ax), Bluetooth 5.2
<b>Wired Connectivity</b>	2x RJ45 Gigabit LAN ports

<b>Ports</b>	2x HDMI 2.0, 2x USB 3.0, 2x USB 2.0, 1x DC Power, 1x 3.5mm Audio Jack
<b>Resolution Support</b>	4096 x 2160 @ 60Hz (4K)
<b>Dimensions (L x W x H)</b>	12.38 x 12.8 x 4.09 cm
<b>Weight</b>	990 g

## 12. WARRANTY AND SUPPORT

ACEMAGIC provides an 18-month warranty for this Mini PC from the date of purchase. We strive for the highest quality, but in the unlikely event of a defect, damage, or incorrect item, please contact our customer service team.

### 12.1 How to Contact Support

To contact customer service, please follow these steps:

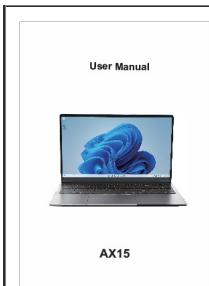
1. Go to "Account Service" on Amazon.
2. Select "Order History."
3. Find your order for the ACEMAGIC S1 N97 Mini PC.
4. Click on the "Seller" link.
5. Select "Ask a question."

Our customer service team aims to respond and address your issue within 24 hours.

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## Related Documents - S1 N97

 User Manual AX15	<p><a href="#"><u>ACEMAGIC AX15 User Manual</u></a></p> <p>User manual for the ACEMAGIC AX15 notebook, covering specifications, safety guidelines, and touchpad usage.</p>
 S1 Video Tutorial Script	<p><a href="#"><u>S1 Software Tutorial: Customizing Display Themes</u></a></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>



### [ACEMAGIC AX15 User Manual: Features, Specifications, and Operation Guide](#)

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.



### [ACEMAGIC AX17 User Manual](#)

User manual for the ACEMAGIC AX17 laptop, detailing its features, specifications, and usage instructions. Includes safety notices and touchpad operation guide.



### [ACEMAGIC S1 Mini PC: Troubleshooting SSD Recognition Issues](#)

Guide to resolving Solid State Drive (SSD) recognition problems on the ACEMAGIC S1 mini PC, covering NVMe and SATA SSD installation and BIOS recognition.

### [ACEMAGIC Mini PC User Manual](#)

User manual for the ACEMAGIC Mini PC (Model M1A/Tank03). Provides detailed instructions on product features, interface layout, quick setup, performance lighting modes, and hardware upgrades including RAM and M.2 SSD installation. Includes important disclaimers and safety precautions.