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> ACEMAGIC M5 Mini PC User Manual - 14th Gen Intel Core i5-14500HX

## ACEMAGIC M5

# ACEMAGIC M5 Mini PC User Manual

Model: M5 | Brand: ACEMAGIC

### 1. SAFETY INFORMATION

Please read all safety instructions carefully before using this product. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- **Power Supply:** Use only the provided power adapter. Ensure the power outlet is properly grounded.
- **Ventilation:** Do not block any ventilation openings. Ensure adequate airflow around the device to prevent overheating.
- **Environment:** Avoid exposing the device to extreme temperatures, humidity, dust, or direct sunlight. Keep it away from liquids.
- **Handling:** Handle the device with care. Do not drop, strike, or disassemble it.
- **Cleaning:** Disconnect the power before cleaning. Use a soft, dry cloth. Do not use liquid cleaners or aerosol sprays.

### 2. PACKAGE CONTENTS

Verify that all items are present in your package:

- ACEMAGIC M5 Mini PC Unit x1
- Power Adapter x1
- HDMI Cable x1
- User Manual x1
- VESA Mount Bracket with Screws x1

### 3. PRODUCT OVERVIEW

The ACEMAGIC M5 Mini PC is a high-performance, compact desktop solution designed for a variety of tasks from business to creative work and gaming.

### Key Features:

- **Powerful Processor:** Equipped with a 14th Gen Intel Core i5-14500HX processor (14 cores, 20 threads, up to 4.9GHz, 24MB Intel Smart Cache) for demanding applications.
- **Integrated Graphics:** Features Intel UHD Graphics with 32 execution units and up to 1.55GHz dynamic frequency, supporting smooth Full HD video and 3D graphics.
- **Expandable Memory & Storage:** Comes with 32GB dual-channel DDR4 3200MHz SO-DIMM RAM (expandable up to 64GB) and a 1TB M.2 2280 NVMe PCIe 4.0x4 SSD (expandable up to 4TB with additional M.2 slots).
- **Triple Display Output:** Supports simultaneous output to up to three 4K displays via HDMI 2.0, USB 3.2 Type-C, and DP 1.4 ports. DP 1.4 also supports up to 8K resolution.
- **Advanced Connectivity:** Includes Wi-Fi 6 for stable wireless communication in the 6GHz band and Bluetooth 5.2 for efficient peripheral connections.
- **Efficient Cooling:** Features an upgraded silent centrifugal fan, two heat pipes, dual fins, and an optimized dual-airflow design with an all-copper structure for stable performance under load.

# 第 14 世代インテル M5 i5-14500HX 搭載

14  
コア

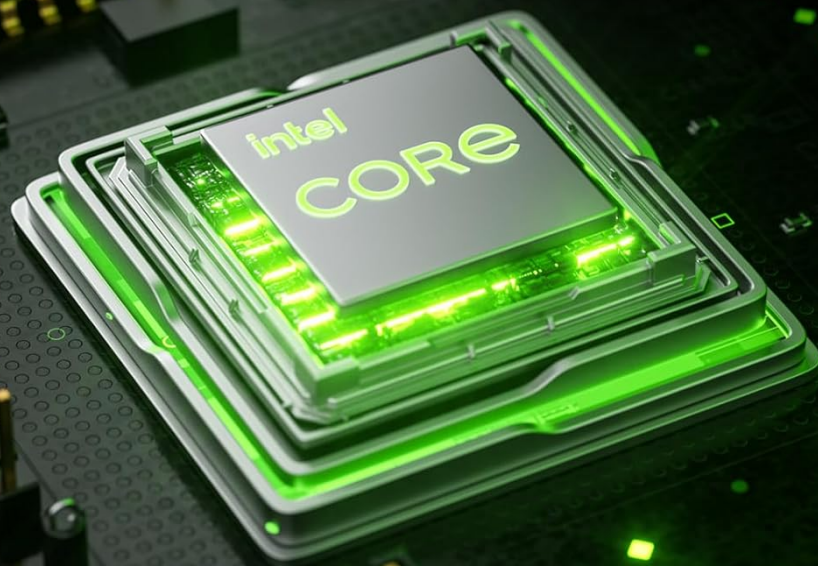
20  
スレッド

4.9GHz  
ブースト

24MB  
キャッシュ

Intel 7 (10nm)  
プロセス

55W  
TDP



## Cinebench R23 シングルコアスコア

### Intel Core i5-14500HX

1880

Intel Core i7-13650HX

1868

Intel Core i5-13500HX

1855

AMD Ryzen 7 7840HS

1793

## Cinebench R23 マルチコアスコア

### Intel Core i5-14500HX

20999

19608

18235

17088

Intel Core i7-13650HX

R7-5500U

AMD Ryzen 7 7840HS

Image: ACEMAGIC M5 Mini PC showcasing its powerful CPU, integrated graphics, memory, storage, display outputs, and cooling system.

## 4K@60Hz・3画面同時出力対応 圧倒的な没入感を実現する



HDMI  
(4K@60Hz)



Type-C  
(4K@60Hz)



DP  
(4K@60Hz)

Image: Detailed view of the ACEMAGIC M5 Mini PC's front and rear ports, including USB, HDMI, DisplayPort, LAN, and audio jacks.

### 4. SETUP

Follow these steps to set up your ACEMAGIC M5 Mini PC:

1. **Connect to Display:** Connect your monitor(s) to the Mini PC using HDMI, DisplayPort, or USB Type-C cables. The Mini PC supports up to three displays simultaneously.
2. **Connect Peripherals:** Plug in your keyboard, mouse, and other USB devices into the available USB ports.
3. **Connect to Network:** For wired internet, connect an Ethernet cable to the LAN port. For wireless internet, the device supports Wi-Fi 6.
4. **Connect Power:** Connect the power adapter to the Mini PC's power input port, then plug the adapter into a power outlet.
5. **Power On:** Press the power button on the front of the Mini PC. The system will boot up with Windows 11 Pro pre-installed.

# Intel UHD グラフィックス搭載

最新GPUテクノロジーに対応し、Quick Syncによるハードウェア支援で、軽めの3D・カジュアルゲームまで、あらゆるシーンで滑らかかつ高精細なパフォーマンスを実現します。

**32のEU**

ハイスペック

**1.55GHz**

最大周波数

**Intel® UHD**

高性能と省電力性を両立



Image: The ACEMAGIC M5 Mini PC connected to three external monitors, demonstrating its multi-display capability.

## 5. OPERATING INSTRUCTIONS

Your ACEMAGIC M5 Mini PC comes with Windows 11 Pro pre-installed, offering a user-friendly experience for various applications.

- **First Boot:** Follow the on-screen instructions to complete the initial Windows 11 setup.
- **Multi-tasking:** Leverage the powerful Intel Core i5-14500HX processor and 32GB RAM to run multiple applications simultaneously without performance degradation.
- **4K Video Playback:** Enjoy high-definition 4K video content smoothly, supported by the integrated Intel UHD Graphics.
- **Gaming:** The integrated graphics and powerful CPU allow for a responsive gaming experience, especially for casual and less demanding 3D titles.
- **Storage Expansion:** If more storage is needed, you can expand up to 4TB using the additional M.2 2280 slots. Refer to the detailed instructions in the user manual for installation.

**14**  
コア

**20**  
スレッド

**4.9** GHz

**32GB DDR4**  
64GBまで拡張可

**1TB M.2 SSD**  
4TBまで拡張可

**3画面**  
同時出力

**Intel UHD**  
グラフィックス搭載

**アップグレードされた**  
静音・高回転遠心ファン

**Windows 11 PRO**を搭載

Image: Internal view of the ACEMAGIC M5 Mini PC showing the dual SO-DIMM RAM slots and M.2 SSD slots for easy upgrades.

## 6. MAINTENANCE

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

- **Keep Clean:** Regularly clean the exterior of the Mini PC with a soft, dry cloth. Use compressed air to gently clear dust from ventilation openings.
- **Ensure Ventilation:** Do not place the Mini PC in enclosed spaces or on soft surfaces that may obstruct airflow.
- **Software Updates:** Keep your Windows operating system and drivers updated to ensure security and performance.
- **Avoid Overheating:** If the device feels excessively hot, ensure it has proper ventilation and reduce heavy workloads if necessary.

# Wi-Fi 6+Bluetooth 5.2 高速 安定ワイヤレス

高速通信と安定接続で、オンライン会議や動画視聴、周辺機器の接続まで、  
快適で途切れにくい通信環境を実現します。

# WiFi 6

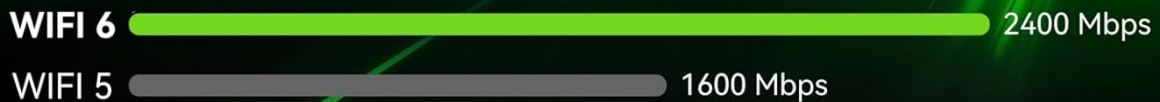


Image: Diagram illustrating the efficient dual-airflow cooling system of the ACEMAGIC M5 Mini PC, including its fan, heat pipes, and fins.

## 7. TROUBLESHOOTING

If you encounter issues, try these common troubleshooting steps:

- **No Power:** Ensure the power adapter is securely connected to both the Mini PC and the power outlet. Try a different power outlet.
- **No Display:** Check all display cable connections. Ensure your monitor is set to the correct input source. Try a different display cable or monitor.
- **No Internet:** For wired connections, check the Ethernet cable. For Wi-Fi, ensure the Wi-Fi adapter is enabled and you are connected to the correct network. Restart your router.
- **Slow Performance:** Close unnecessary applications. Check for background processes in Task Manager. Ensure adequate ventilation to prevent thermal throttling.
- **System Freeze:** Press and hold the power button for 5-10 seconds to force a shutdown, then restart the

device.

## 8. SPECIFICATIONS

Feature	Specification
Brand	ACEMAGIC
Model	M5
Operating System	Windows 11 Pro
CPU	Intel Core i5-14500HX (14 Cores, 20 Threads, up to 4.9 GHz)
Graphics	Intel® UHD Graphics (Integrated)
RAM	32 GB DDR4 (Expandable up to 64 GB)
Memory Speed	3200 MHz
Storage	1 TB M.2 2280 NVMe PCIe 4.0x4 SSD (Expandable up to 4 TB)
Video Output Interfaces	HDMI 2.0 x1, USB 3.2 Type-C x1, DisplayPort 1.4 x1
Max Display Resolution	4K (3840x2160) via HDMI/Type-C, 8K via DP 1.4
USB Ports	7 (Specific types and speeds may vary, refer to product diagram)
Network Connectivity	Wi-Fi 6, Bluetooth 5.2, LAN
Product Dimensions	128.2 x 128.2 x 41 mm
Power Consumption	54 Watts

## 9. WARRANTY & SUPPORT

Your ACEMAGIC M5 Mini PC comes with a comprehensive warranty and dedicated support to ensure your peace of mind.

- **Warranty Period:** This product is covered by an **18-month warranty** from the date of purchase.
- **Technical Support:** For technical assistance, troubleshooting, or any product-related inquiries, please contact ACEMAGIC customer support.
- **Contact Information:** Refer to the contact details provided in your product packaging or visit the official ACEMAGIC website for the latest support information.