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› [KAMRUI](#) /

› KAMRUI Hyper H2 Mini Gaming PC Instruction Manual - Model K1

KAMRUI K1

KAMRUI Hyper H2 Mini Gaming PC Instruction Manual

Model: K1

1. INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your KAMRUI Hyper H2 Mini Gaming PC. Please read this manual thoroughly before using the device to ensure optimal performance and longevity.



Image: The KAMRUI Hyper H2 Mini Gaming PC, a compact silver device with various ports.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- KAMRUI Hyper H2 Mini PC
- Power Adapter
- HDMI Cable
- VESA Mount Bracket
- Screws for VESA Mount
- User Manual (this document)

Your browser does not support the video tag.

Video: An overview of the KAMRUI Hyper H2 Mini Gaming PC, showcasing its features and components.

3. SETUP GUIDE

3.1 Connecting Peripherals

Connect your monitor(s), keyboard, mouse, and other peripherals to the appropriate ports on the mini PC. The device supports triple 4K displays via HDMI 2.0, DP 1.4, and USB3.2 Gen2 Type-C.

Creative Design



Image Desig



AI Drawing



Video Editing



Music Editing

Image: Rear and side view of the KAMRUI Hyper H2 Mini PC, highlighting its various ports including USB, HDMI, DisplayPort, Ethernet, and Type-C.

3.2 Powering On

Connect the power adapter to the DC port on the mini PC and then to a power outlet. Press the power button located on the front of the device to turn it on.

3.3 Initial Boot and Operating System

The KAMRUI Hyper H2 Mini PC comes with Windows 11 Pro pre-installed. Follow the on-screen instructions for the initial Windows setup.

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Video: Demonstrates how to configure the "Wake system from S5" and set a startup time in the BIOS settings for automatic power on/off.

4. OPERATING INSTRUCTIONS

4.1 Multi-Display Setup

The mini PC supports up to three 4K displays simultaneously (4K@60Hz) for enhanced productivity and immersive experiences. Connect monitors using the HDMI, DisplayPort, and USB Type-C outputs.

Intel Core i5-14450HX

Enter a New Realm of Speed

10/16

Cores/Threads

20MB

Intel Smart Cache

4.80 GHz

Max Turbo Frequency

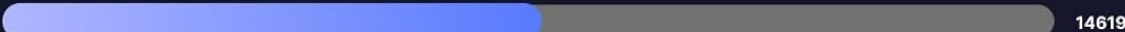
Performance Comparison

Cinebench R23 (Multi-Core)

i5-14450HX



i7 12700H



R7 6800HS



*Test results are for reference only, and the actual performance may fluctuate due to environmental changes

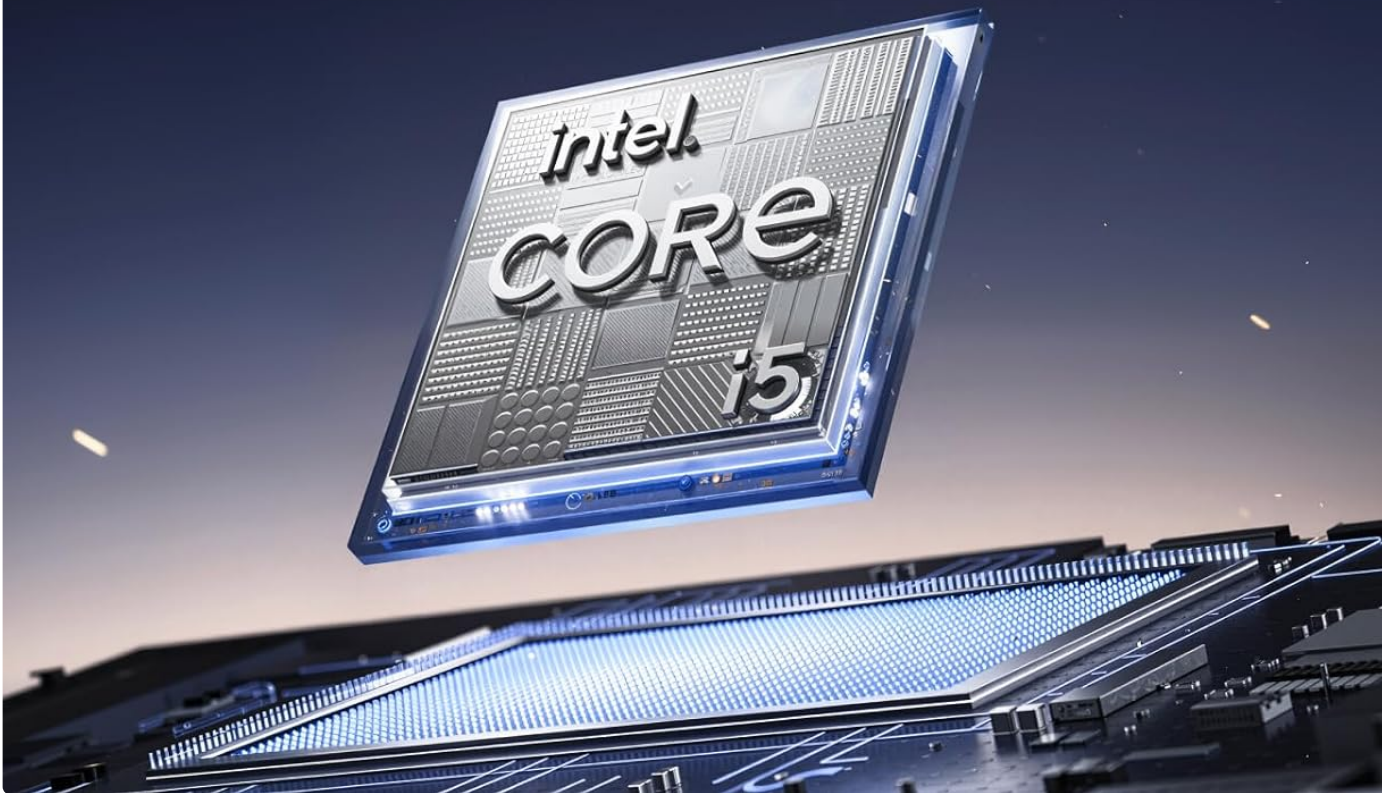


Image: A desk setup showing the KAMRUI Hyper H2 Mini PC connected to three monitors, demonstrating its triple 4K display capability.

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Video: Demonstrates the triple 4K display output capabilities of the mini PC, showing various content across three screens.

4.2 Network Connectivity

Utilize the integrated WiFi 6 for fast wireless internet access or connect directly via the 1Gbps RJ45 Ethernet port for a stable wired connection. Bluetooth 5.2 allows for seamless connection to wireless peripherals.



Image: Illustrates the high-speed network capabilities including WiFi 6, Bluetooth 5.2, and 1Gbps LAN.

4.3 Performance and Applications

Powered by the Intel Core i5-14450HX processor, 32GB RAM, and a 1TB NVMe PCIe4.0 SSD, this mini PC is designed for high-intensity multitasking, 3A gaming, 3D rendering, video editing, and business applications.

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Video: Shows gameplay footage of Counter-Strike, demonstrating the mini PC's gaming performance.

5. MAINTENANCE

5.1 Storage and Memory Expansion

The mini PC features dual M.2 slots, allowing for storage expansion up to 4TB. The 32GB (16GB*2) dual-channel DDR4 memory can also be upgraded. Refer to the disassembly video for guidance on accessing internal components.

Expandable Storage



32GB(2*16GB)

DDR4 Dual Channel

DDR4 SO-DIMM Slot×2,
up to 64GB



1TB

M.2 NVMe PCIe4.0×4 SSD

M.2 2280 SATA&NVMe Slot×1;
M.2 2280 NVMe Slot×1, Up To 4TB

PCIe 4.0 SSD



PCIe 3.0 SSD

↑ 80%



Image: An exploded view of the mini PC showing the internal layout for RAM and M.2 SSDs, illustrating expandable storage.

Your browser does not support the video tag.

Video: A step-by-step guide on how to disassemble the mini PC to access and upgrade DDR RAM and SSD components.

5.2 Cooling System

The device is equipped with upgraded silent centrifugal fans, dual copper heat pipes, and dual fin-stack cooling modules to maintain optimal performance under heavy loads. Ensure proper ventilation around the unit.

Big Power, Mini Bulk



Image: An exploded view highlighting the internal cooling components, including the silent high-speed fan, aluminum heat sink, and dual fins with copper tubes.

6. TROUBLESHOOTING

- **No Display:** Ensure all display cables (HDMI, DP, Type-C) are securely connected to both the mini PC and the monitor. Verify the monitor input source is correctly selected.
- **No Power:** Check that the power adapter is firmly connected to the mini PC and a working power outlet. Try a

different outlet if necessary.

- **Slow Performance:** Close unnecessary applications. Check for background processes consuming high resources. Ensure sufficient free storage space. Consider upgrading RAM or SSD if performance issues persist during demanding tasks.
- **Network Issues:** For Wi-Fi, ensure the antenna is connected and the device is within range of your router. For wired connections, check the Ethernet cable and router status.
- **Overheating:** Ensure the mini PC has adequate ventilation and is not placed in an enclosed space. Clean any dust accumulation from the vents.

7. SPECIFICATIONS

Feature	Detail
Processor	Intel Core i5-14450HX (10 Cores / 16 Threads, up to 4.8GHz, TDP 54W)
Graphics	Integrated Intel UHD Graphics for 14th Gen Intel Processors (up to 1.5GHz dynamic frequency)
RAM	32GB (16GB*2) DDR4 Dual-Channel SODIMM (expandable up to 64GB)
Storage	1TB NVMe PCIe4.0x4 SSD (expandable up to 4TB via dual M.2 slots)
Display Output	Triple 4K@60Hz (1x HDMI 2.0, 1x DP 1.4, 1x USB3.2 Gen2 Type-C)
Network	WiFi 6, Bluetooth 5.2, 1x RJ45 Gigabit Ethernet
USB Ports	2x USB3.2 Gen2 (10Gbps), 4x USB3.2 Gen1 Type-A (5Gbps), 1x Type-C (10Gbps data transfer)
Audio	1x 3.5mm Audio Jack
Operating System	Windows 11 Pro (pre-installed)
Dimensions	5.04 x 5.04 x 1.63 inches (128.2 x 128.2 x 44mm)
Weight	2.94 pounds

8. WARRANTY AND SUPPORT

KAMRUI offers a **3-year service warranty** and **lifetime technical support** for your Hyper H2 Mini PC.

For technical assistance or warranty claims, please contact us through the following channels:

- **Email:** support@kamrui.com
- **Phone:** +1-833-670-1528 (US, Mon-Fri 9am-5pm EST)
- **Online:** Log in to your Amazon account, navigate to "Your Orders," and select "Ask Product Question" for assistance.

KAMRUI Hyper H2

Create Without Limits

Powered By Intel Core i5-14450HX



Image: Details KAMRUI's customer support options including email, phone, and online inquiry via Amazon.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

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