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› KAMRUI Essenx E3 Mini PC User Manual - Ryzen 5 3500U, 16GB RAM, 512GB SSD

KAMRUI E3B

KAMRUI Essenx E3 Mini PC User Manual

Model: E3B | Brand: KAMRUI

1. INTRODUCTION

This manual provides essential information for setting up, operating, and maintaining your KAMRUI Essenx E3 Mini PC. Please read through these instructions carefully to ensure optimal performance and longevity of your device.

2. PACKAGE CONTENTS

Upon unboxing your KAMRUI Essenx E3 Mini PC, please verify that all the following items are included:

- KAMRUI Essenx E3 Mini PC Unit
- Power Adapter
- Screws for mounting
- User Manual
- VESA Mount
- HDMI Cable



Image: KAMRUI Essenx E3 Mini PC with its power adapter, HDMI cable, and mounting accessories.

Video: Unboxing the KAMRUI E1 Mini PC, demonstrating the included components and initial setup.

3. PHYSICAL OVERVIEW

The KAMRUI Essenx E3 Mini PC features a compact design with strategically placed ports and an efficient cooling system.

Front Panel

- Power Button
- 3.5mm Audio Jack
- 2x USB 3.2 Gen 2 Type-A Ports (10Gbps)
- 1x USB 3.2 Gen 2 Type-C Port

Rear Panel

- DC Power Input
- 2x USB 3.2 Gen 2 Type-A Ports (10Gbps)
- 1x USB 2.0 Type-A Port (480Mbps)
- 2x 1.0Gbps RJ45 Gigabit Ethernet Ports
- 1x DisplayPort 1.4
- 1x HDMI 2.1 Port

Package Contents

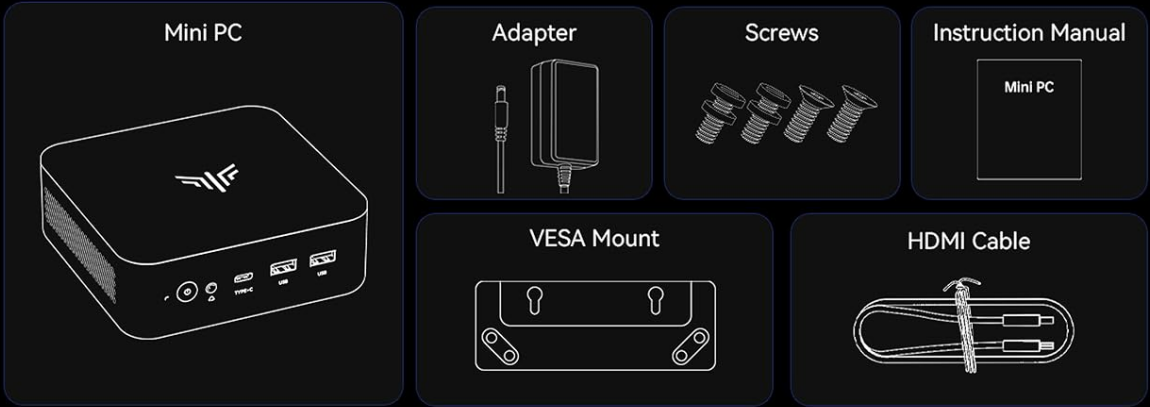


Image: Detailed view of the front and rear connectivity ports of the Mini PC.

Cooling System

The Mini PC incorporates a high-efficiency triple cooling system to maintain optimal operating temperatures and ensure stable performance. This includes a quiet built-in fan, dual heat pipes, and a 2300RPM system fan operating at less than 30dB noise level.



Image: Illustration of the Mini PC's triple cooling system components, including heat pipes and fan.

4. SPECIFICATIONS

Feature	Detail
Processor	AMD Ryzen 5 3500U (4 Cores/8 Threads, up to 3.7GHz)
RAM	16GB DDR4 (1x SO-DIMM Slot, expandable up to 32GB)
Storage	512GB M.2 PCIe 3.0 X4 NVMe SSD (expandable up to 4TB)
Graphics	Radeon Vega 8 Graphics (up to 1200 MHz Dynamic Frequency)
Display Output	Triple 4K @60Hz (1x HDMI 2.1, 1x DP 1.4, 1x Type-C)
Network	Dual Gigabit LAN (2x RJ45 1.0Gbps), WiFi 6, Bluetooth

USB Ports	3x USB 3.2 Gen 2, 1x USB 2.0, 1x USB 3.2 Gen 2 Type-C
Audio	1x 3.5mm Audio Jack
Operating System	OS (Pre-installed Windows 11 Pro on some configurations)
Dimensions	6.34 x 6.1 x 4.76 inches
Weight	2.53 pounds

5. SETUP GUIDE

Follow these steps to set up your KAMRUI Essenx E3 Mini PC:

- 1. Connect Power:** Plug the power adapter into the DC input port on the rear panel of the Mini PC, then connect it to a power outlet.
- 2. Connect Display:** Connect your monitor(s) to the HDMI 2.1, DisplayPort 1.4, or USB Type-C ports on the Mini PC using the provided HDMI cable or your own compatible cables. The Mini PC supports up to three 4K @60Hz displays simultaneously.
- 3. Connect Peripherals:** Plug in your keyboard, mouse, and any other USB devices into the available USB ports.
- 4. Network Connection:** For initial setup, it is recommended to use a wired Ethernet connection via one of the Dual Gigabit LAN ports. Alternatively, you can connect via Wi-Fi 6 after the initial setup.
- 5. Power On:** Press the power button on the front panel to start your Mini PC.
- 6. Initial Setup:** Follow the on-screen instructions to complete the operating system setup. Avoid connecting to Wi-Fi or LAN initially for faster setup, as connecting might trigger long updates, delaying desktop access.

6. OPERATING INSTRUCTIONS

The KAMRUI Essenx E3 Mini PC is designed for versatile use, from office tasks to home entertainment.

Multi-Display Setup

Leverage the triple 4K @60Hz display output capabilities to enhance your productivity. Connect up to three monitors using the HDMI, DisplayPort, and USB Type-C ports to manage multiple tasks efficiently.

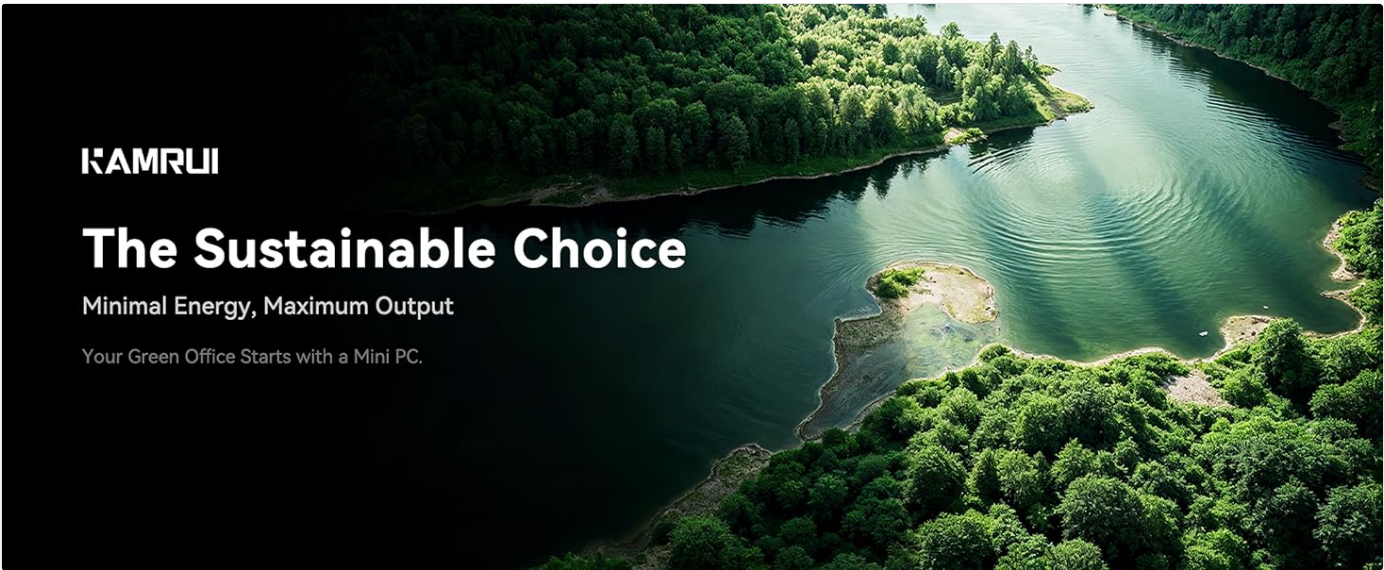


Image: Example of a triple-screen display setup with the Mini PC.

Wireless Connectivity

The Mini PC supports WiFi 6 for stable, high-speed wireless internet access and Bluetooth for connecting various wireless peripherals such as headphones, speakers, keyboards, and mice.

7. STORAGE UPGRADE

The KAMRUI Essenx E3 Mini PC comes with a 512GB M.2 SSD, which can be expanded up to 4TB. This allows for significant storage capacity for documents, media, and applications.

Upgrade Procedure:

1. Power off the Mini PC and disconnect all cables.
2. Carefully open the Mini PC casing to access the internal components.
3. Locate the M.2 SSD slot.
4. Insert your new M.2 PCIe 3.0 X4 NVMe SSD into the slot and secure it.
5. Close the casing and reconnect all cables.
6. Power on the Mini PC. You may need to initialize and format the new SSD through Disk Management in your operating system.



Image: Illustration of the M.2 SSD slot for storage expansion.

8. RAM UPGRADE

The Mini PC comes with 16GB DDR4 RAM and has one SO-DIMM slot, allowing for expansion up to 32GB for enhanced multitasking performance.

Upgrade Procedure:

1. Power off the Mini PC and disconnect all cables.
2. Carefully open the Mini PC casing.
3. Locate the DDR4 SO-DIMM slot.
4. If replacing existing RAM, gently unclip and remove the old module.
5. Insert the new DDR4 SO-DIMM module into the slot at an angle and press down until it clicks into place.
6. Close the casing and reconnect all cables.
7. Power on the Mini PC. The system will automatically detect the new RAM.



9. VESA MOUNTING

The KAMRUI Essenx E3 Mini PC supports VESA mounting, allowing you to attach it to the back of a compatible monitor or to a wall for a clutter-free workspace.

Mounting Instructions:

1. Attach the VESA mount bracket to the back of your monitor or desired wall location using the provided screws.
2. Align the Mini PC with the VESA mount and slide it into place until it securely locks.



Image: Various placement options for the Mini PC, including desktop and VESA mounted behind a monitor.

Video: Demonstration of installing the VESA mounting brackets to save space.

10. TROUBLESHOOTING TIPS

- **Startup Issues:** Avoid frequent system updates to prevent potential startup problems.
- **Performance Lag:** Close unused programs to ensure your PC runs smoothly and efficiently.

11. WARRANTY AND SUPPORT

KAMRUI is committed to providing excellent customer service and product reliability.

- **Warranty:** Your KAMRUI Essenx E3 Mini PC comes with a 12-month warranty from the date of purchase.
- **Customer Support:** 24-hour customer support is available for any inquiries or issues.
- **Technical Support:** KAMRUI provides lifetime technical support for its customers.

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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.

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