wo-we P8

wo-we Mini PC P8 User Manual

Model: P8 (HU-MNPC-X)

1. Introduction

This manual provides essential information for setting up, operating, and maintaining your wo-we Mini PC P8. Please read it thoroughly before using the device to ensure optimal performance and longevity. The wo-we Mini PC P8 is a compact desktop computer featuring an AMD Ryzen 5 7640HS processor, 32GB DDR5 RAM, and a 1TB PCIe 4.0 SSD, designed for various applications from office work to gaming and multimedia.

2. Product Overview

2.1 Key Features

- **Processor:** AMD Ryzen 5 7640HS (6 Cores, 12 Threads, up to 5.0GHz) with Zen 4 architecture and TSMC 4nm process.
- **Graphics:** Integrated AMD Radeon 760M (RDNA 3 architecture) with excellent 4K/8K decoding capabilities.
- **Memory:** 32GB DDR5 5600MHz RAM (2x16GB SO-DIMM, expandable up to 64GB).
- **Storage:** 1TB PCIe 4.0 NVMe SSD (M.2 2280 slot, supports up to 4TB).
- **Connectivity:** Dual 2.5G Ethernet ports, Wi-Fi 6E, Bluetooth 5.2.
- **Display Output:** Supports up to Quad Displays via HDMI 2.0, DisplayPort 1.4, and USB4 (Type-C).
- **Ports:** USB4 (40Gbps, compatible with Thunderbolt 4), USB 3.2, USB 2.0, Audio Jack.
- **Cooling System:** Efficient copper tube heat dissipation with full-automatic mute fan.

2.2 Device Layout and Ports

The wo-we Mini PC P8 features a comprehensive set of ports for versatile connectivity. Refer to the images below for port identification.



Image: Front and rear view of the wo-we Mini PC P8, highlighting USB 3.2, USB 2.0, USB 4.0, Audio Jack, Power button, DC power input, Dual 2.5G RJ45 LAN, HDMI 2.0, and DisplayPort 1.4.



Image: A detailed graphic illustrating the various ports and connectivity options of the wo-we Mini PC P8, including USB 4.0, HDMI, LAN, and DisplayPort.

3. Setup Instructions

3.1 Package Contents

Verify that all items are present in the package:

- 1 × wo-we Mini PC P8
- 1 × Power Adapter
- 1 × VESA Mount Bracket with screws
- 1 × HDMI Cable
- 1 × User Manual (this document)



Image: The wo-we Mini PC P8 shown next to its VESA mount bracket, illustrating the two-step installation process: fixing the bracket to the mini PC with screws, then fixing the bracket to the back of a display with screws.

3.2 Initial Connection

1. **Connect Power:** Plug the power adapter into the DC port on the Mini PC and then into a power outlet.
2. **Connect Display:** Connect your monitor(s) to the Mini PC using the HDMI, DisplayPort, or USB4 (Type-C) ports. For optimal performance, use the provided HDMI cable or a compatible DisplayPort/USB4 cable.
3. **Connect Peripherals:** Connect your keyboard, mouse, and any other USB devices to the available USB ports.
4. **Network Connection:** For wired internet, connect an Ethernet cable to one of the 2.5G LAN ports. For wireless internet, ensure Wi-Fi 6E is enabled in the operating system settings after initial boot.

3.3 VESA Mount Installation (Optional)

The Mini PC P8 supports VESA mounting to save desk space. To install:

1. Attach the VESA mount bracket to the Mini PC using the provided screws.
2. Secure the bracket to the VESA mounting holes on the back of your monitor using the appropriate screws.

Video: A demonstration of connecting the power adapter, a USB-C display, and a USB receiver for a wireless keyboard and mouse to the wo-we Mini PC P8, followed by the system booting up to the Windows desktop.

4. Operating Instructions

4.1 Power On/Off

- **Power On:** Press the power button located on the front of the Mini PC. The power indicator light will illuminate.
- **Power Off:** To shut down the system, use the operating system's shutdown function. Alternatively, press and hold the power button for 5 seconds to force a shutdown (only recommended if the system is unresponsive).

4.2 Operating Modes

The AMD Ryzen 5 7640HS processor supports various operating modes to balance performance and power consumption:

- **Silent Mode:** Optimized for quiet operation and lower power consumption (e.g., 35W).
- **Balanced Mode:** A general-purpose mode for everyday tasks (e.g., 45W).
- **Performance Mode:** Maximizes CPU frequency for demanding tasks like gaming or video editing (e.g., 54W).

These modes can typically be adjusted within the operating system's power settings or through specific utility software if provided by wo-we.

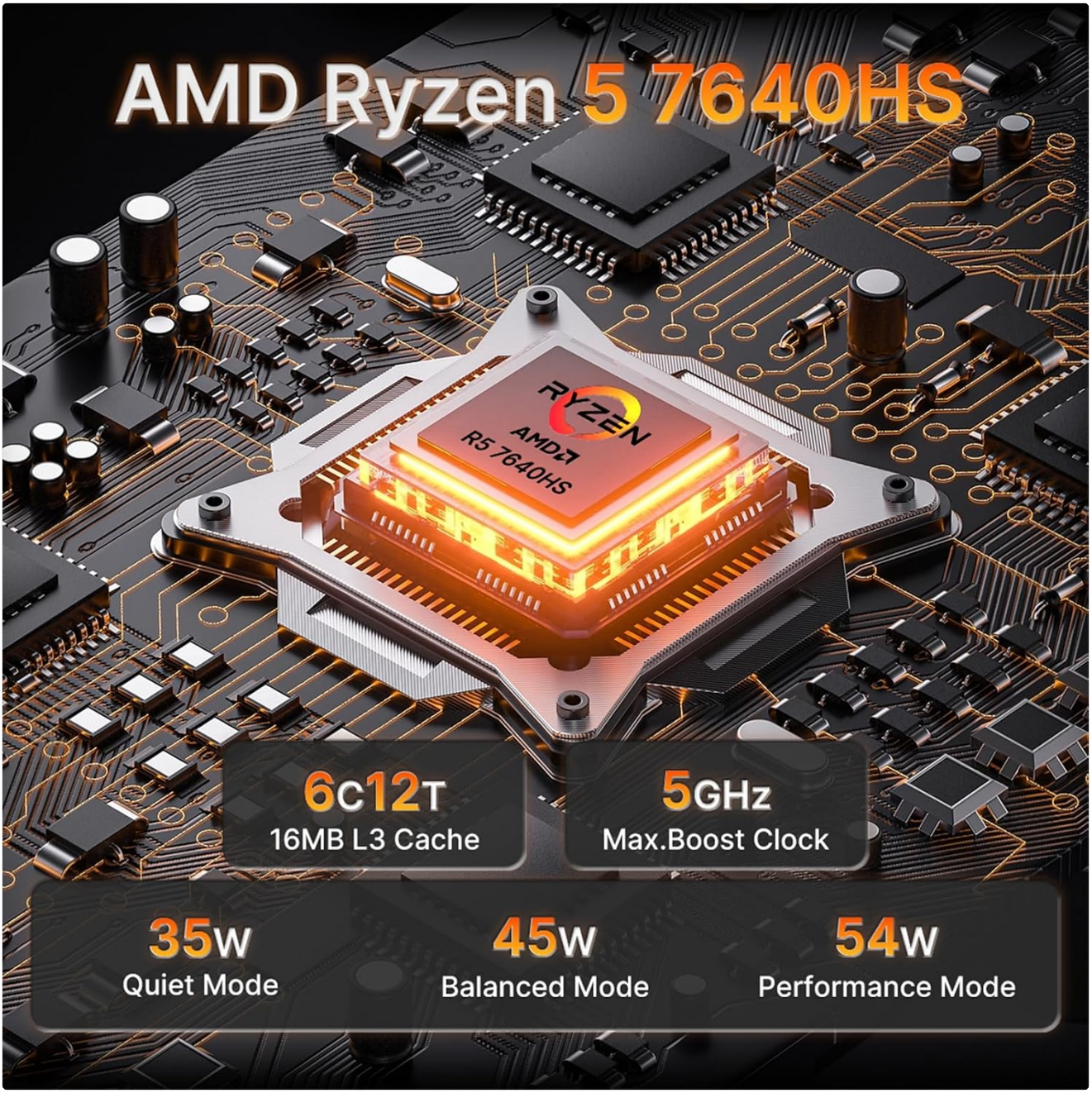


Image: A close-up of the AMD Ryzen 5 7640HS processor, detailing its 6 cores, 12 threads, 16MB L3 Cache, 5GHz Max. Boost Clock, and power consumption for Quiet (35W), Balanced (45W), and Performance (54W) modes.

4.3 Multi-Display Setup

The Mini PC P8 supports up to four displays simultaneously, enhancing productivity and multimedia experiences. Connect monitors using a combination of the HDMI 2.0, DisplayPort 1.4, and USB4 ports. For USB4, a compatible docking station or adapter may be required to drive multiple 4K displays or a single 8K display.



Image: The wo-we Mini PC P8 connected to a large monitor displaying 8K HD content, demonstrating its high-resolution output capability.



Image: The wo-we Mini PC P8 connected to three monitors, showcasing its triple-screen display support via HDMI 2.0 (4K@60Hz), USB4 (8K@60Hz), and DisplayPort 1.4 (4K@60Hz).

4.4 Network Connectivity

- **Wired Ethernet:** Utilize the dual 2.5G LAN ports for high-speed wired network connections. These ports support Wake-on-LAN.
- **Wi-Fi 6E:** Connect to wireless networks using the integrated Wi-Fi 6E module, which supports the 6GHz band for faster and more stable wireless performance.
- **Bluetooth 5.2:** Connect Bluetooth-enabled peripherals such as keyboards, mice, and headphones without interference.



Image: The wo-we Mini PC P8 with two Ethernet cables connected to its 2.5G LAN ports, alongside visual representations of Wi-Fi signals, indicating its dual 2.5G Ethernet and Wi-Fi 6E capabilities.

5. Maintenance

5.1 Cooling System

The Mini PC P8 is equipped with an efficient cooling system featuring a copper tube for heat dissipation and a full-automatic mute fan. To ensure optimal cooling performance, keep the ventilation grilles clear of obstructions and regularly clean any dust accumulation.



Image: A cutaway diagram of the wo-we Mini PC P8, illustrating the internal cooling fan and airflow path for efficient heat dissipation.

5.2 Storage Expansion

The Mini PC P8 includes an additional M.2 slot for storage expansion. If you need more storage, you can install an additional M.2 2280 NVMe PCIe 4.0 SSD. Refer to the product specifications for maximum supported capacity.



Image: Components of the wo-we Mini PC P8, showing two 16GB DDR5 5600MHz RAM modules and a 1TB M.2 2280 NVMe PCIe 4.0 SSD, highlighting its high capacity and performance.

6. Troubleshooting

- **No Power:** Ensure the power adapter is securely connected to both the Mini PC and a working power outlet. Check if the power indicator light is on.
- **No Display:** Verify that the monitor is powered on and correctly connected to the Mini PC. Try different display ports or cables if available. Ensure the correct input source is selected on your monitor.
- **No Internet Connection:** For wired connections, check the Ethernet cable and router status. For Wi-Fi, ensure Wi-Fi is enabled in the operating system and you are connected to the correct network with the correct password.
- **Peripherals Not Working:** Try connecting USB devices to different USB ports. Ensure drivers are installed if required by the peripheral.

- **System Slowdown:** Check for background applications consuming resources. Ensure the cooling system is not obstructed. Consider adjusting the operating mode to 'Performance' if needed for demanding tasks.

7. Specifications

Feature	Detail
Brand	wo-we
Model Number	HU-MNPC-X
Processor	AMD Ryzen 5 7640HS (4.3 GHz, Max Boost 5.0 GHz)
RAM	32 GB DDR5 (5600 MHz SODIMM)
Hard Drive	1 TB SSD (PCIe x 4)
Graphics Coprocessor	AMD Radeon 760M (Integrated, 8 GB Graphics Card Ram Size)
Wireless Type	802.11ax (Wi-Fi 6E)
Bluetooth	5.2
Ethernet	Dual 2.5G LAN
USB Ports	1x USB 2.0, 3x USB 3.0, 1x USB4 (Type-C)
Video Output	HDMI 2.0, DisplayPort 1.4, USB4 (supports 8K Pixels Max Screen Resolution)
Operating System	OS/11 Pro
Item Weight	2.79 pounds
Package Dimensions	6.54 x 6.46 x 4.21 inches

8. Warranty and Support

wo-we offers a 30-day hassle-free return policy and a full 1-year warranty for your Mini PC. The product complies with FCC/CE standards. For technical support or inquiries, please contact wo-we customer service.

- **Online Support:** Log in to your Amazon account, navigate to 'Your Account' -> 'Your order' and select 'Ask Product Questions'.
- **Email Support:** service@wo-we.com
- **Technical Support:** 24/7 technical support is available, with a guaranteed response within 24 hours.



Image: A graphic detailing wo-we's after-sales support, including Amazon login for questions, email support, and offline maintenance service, emphasizing 24-hour customer service and warranty details.

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.

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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.

Submit question