wo-we P8

wo-we P8 Mini PC User Manual

Model: P8 | AMD Ryzen 5 7640HS, 32GB DDR5, 1TB PCIe 4.0 SSD

1. Introduction

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your wo-we P8 Mini PC. Please read this guide thoroughly to ensure optimal performance and longevity of your device. The wo-we P8 is a compact desktop computer designed for various applications, including business, education, gaming, and home entertainment, offering high performance in a small form factor.

2. Product Overview

The wo-we P8 Mini PC is engineered for efficiency and power, featuring advanced components and comprehensive connectivity options.

2.1 Key Features

- **Processor:** AMD Ryzen 5 7640HS (6 Cores, 12 Threads, up to 5.0GHz boost)
- **Graphics:** Integrated AMD Radeon 760M (RDNA 3, 8 CUs, up to 2600MHz)
- **Memory:** 32GB (2x16GB) Dual-channel DDR5 RAM at 5600MHz (upgradeable to 64GB)
- **Storage:** 1TB PCIe 4.0 SSD (expandable with dual M.2 SSD slots)
- **Connectivity:** USB4 (40Gbps, 8K display support, PD charging), Dual 2.5GbE LAN, WiFi 6E, Bluetooth 5.2, HDMI 2.0, DisplayPort
- **Display Support:** Triple display output (USB4 8K, HDMI 4K, DisplayPort 4K)
- **Cooling:** Advanced cooling system with phase-change material for quiet operation (under 35dB)



Figure 1: wo-we P8 Mini PC, showcasing its compact design.

2.2 Package Contents

Verify that all items are present in your package:

- wo-we P8 Mini PC x 1
- Power Adapter (DC 19V/6.3A, AC 100~240V, 50/60Hz) x 1
- HDMI Cable x 1
- VESA Mount & Screws x 1
- User Manual x 1

3. Setup Guide

3.1 Connecting Peripherals

1. **Connect Display:** Use the HDMI, DisplayPort, or USB4 port to connect your monitor(s). The P8 supports up to three displays simultaneously.
2. **Connect Keyboard and Mouse:** Plug your USB keyboard and mouse into the available USB 3.2 or USB 2.0 ports.

3. **Connect Network (Optional):** For a wired connection, connect an Ethernet cable to one of the 2.5G RJ45 LAN ports. For wireless, ensure WiFi 6E is enabled in the operating system.
4. **Connect Power:** Plug the power adapter into the DC input port on the Mini PC, then connect it to a power outlet.



Figure 2: Front and rear view of the wo-we P8 Mini PC with port labels for easy connection.

3.2 Powering On

Press the power button located on the front of the Mini PC. The power indicator light will illuminate, and the system will begin to boot up.

3.3 VESA Mount Installation

The included VESA mount allows you to attach the Mini PC to the back of a compatible monitor or to a wall. Secure the VESA bracket to your monitor or wall using the provided screws, then slide the Mini PC onto the bracket until it clicks into place.

4. Operating Instructions

4.1 Initial Boot and Operating System

Your wo-we P8 Mini PC comes pre-installed with OS 11 Pro. Upon first boot, follow the on-screen instructions to complete the initial setup, including language, region, and user account creation.

4.2 Triple Display Configuration

The Mini PC supports connecting up to three displays simultaneously using the HDMI, DisplayPort, and USB4 outputs. This allows for an extended desktop environment, enhancing productivity or gaming experiences.



Figure 3: Example of a triple screen display setup with the wo-we P8 Mini PC.

4.3 USB4 Port Functionality

The USB4 port offers versatile functionality:

- **High-Speed Data Transfer:** Up to 40Gbps for rapid file transfers.
- **8K Video Output:** Supports a single 8K display at 60Hz or dual 4K displays.
- **Power Delivery (PD) Charging:** Can be used for a clean, single-cable dock setup with compatible devices.

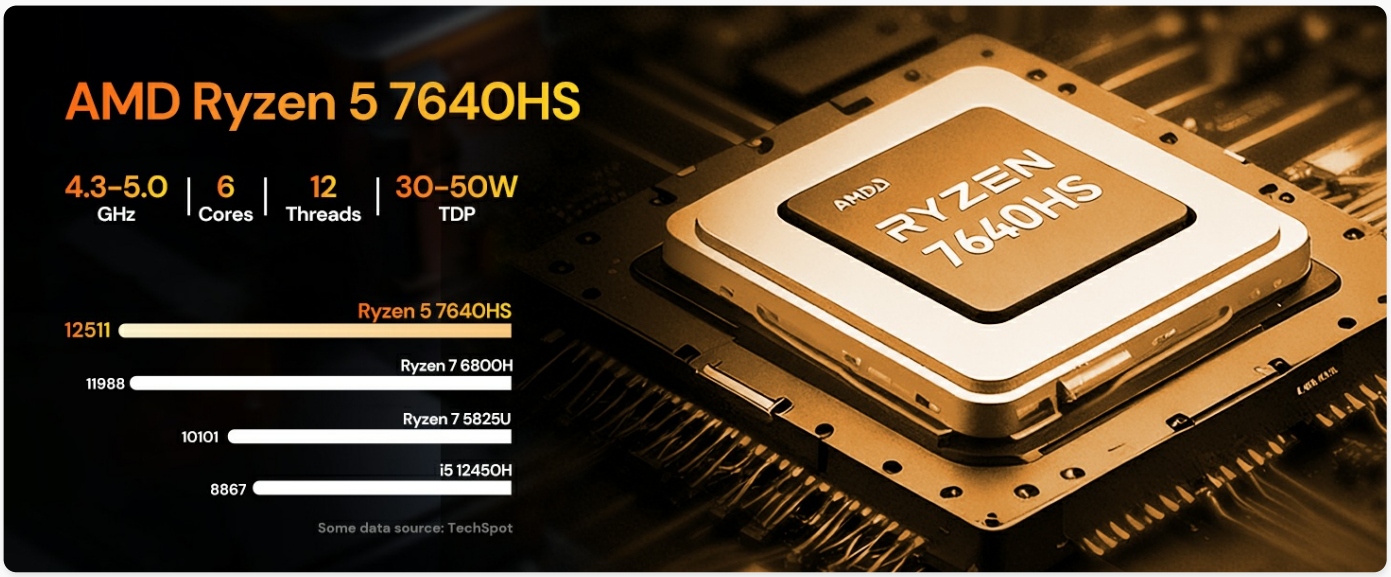


Figure 4: Visual representation of USB4 connector capabilities including PD 3.0 power supply, 8K video output, and 40Gbps data transmission.

4.4 Network Connectivity

- **Wired LAN:** Utilize the dual 2.5GbE ports for high-speed wired network connections, supporting link aggregation and fast file transfers.
- **Wireless (WiFi 6E):** Connect to wireless networks using the integrated WiFi 6E, which supports the 6GHz band for reduced interference and faster speeds.
- **Bluetooth 5.2:** Connect wireless peripherals such as keyboards, mice, and headphones.



Figure 5: The wo-we P8 Mini PC highlighting its powerful wireless connectivity features: WiFi 6E and Bluetooth 5.2.

5. Maintenance

5.1 Cooling System

The P8 Mini PC features an advanced cooling system with phase-change material designed to maintain optimal CPU temperatures and ensure quiet operation (under 35dB) even during heavy use. Ensure proper airflow around the device and keep vents clear of obstructions.



Figure 6: The wo-we P8 Mini PC operating quietly, suitable for gaming and other tasks.

5.2 Memory and Storage Upgrades

The Mini PC is designed for easy upgrades:

- **RAM:** It has two DDR5 slots and supports up to 64GB of RAM. To upgrade, carefully open the chassis, locate the RAM slots, and install compatible DDR5 SODIMM modules.
- **SSD:** The device includes dual M.2 SSD slots, allowing for up to 4TB of total storage. You can add or replace M.2 PCIe 4.0 SSDs.

Always power off and unplug the device before performing any internal upgrades. Refer to the product structure diagram for component locations.



Figure 7: Highlighting the 32GB DDR5 5600MHz RAM and 1TB M.2 2280 NVMe PCIe 4.0 SSD for high capacity and performance.



Figure 8: Product structure diagram showing the cooling fan, Ryzen 5 7640HS, DDR5 RAM, USB4, and 1TB PCIe 4.0 SSD components.

6. Troubleshooting

If you encounter issues with your wo-we P8 Mini PC, refer to the following common solutions:

- **No Display Output:**
  - Ensure all display cables (HDMI, DisplayPort, USB4) are securely connected to both the Mini PC and the monitor.
  - Verify the monitor is powered on and set to the correct input source.
  - Try connecting to a different display or using a different cable.
- **No Power:**
  - Check that the power adapter is securely connected to the Mini PC and a working power outlet.
  - Ensure the power button is pressed firmly.
- **Driver Issues:**
  - While the system comes pre-configured, if you perform an OS reinstall, you may need to manually install

graphics drivers. Visit the official wo-we support website for the latest drivers.

- **System Slowdown:**
  - Check for background applications consuming resources.
  - Ensure the cooling vents are clear to prevent overheating.
  - Consider upgrading RAM if frequently running memory-intensive applications.
- **Peripheral Connectivity Problems:**
  - For USB devices, try different USB ports.
  - For Bluetooth devices, ensure they are in pairing mode and within range.
  - For Wi-Fi, check router connection and signal strength.

If problems persist, contact wo-we customer support for assistance.

7. Specifications

Feature	Detail
Brand	wo-we
Model Number	P8
Processor	AMD Ryzen 5 7640HS (6 Cores, 12 Threads, 4.3 GHz base, up to 5.0 GHz boost)
Graphics Coprocessor	AMD Radeon 760M (Integrated)
RAM Memory	32 GB DDR5 (5600 MHz), 2 SODIMM slots, Max 64 GB
Storage	1 TB PCIe 4.0 SSD (M.2 2280 NVMe), Dual M.2 SSD slots
Operating System	OS 11 Pro
Video Output Interface	1x HDMI 2.0 (4K@60Hz), 1x DisplayPort (4K@60Hz), 1x USB4 (8K@60Hz)
LAN	Dual 2.5G RJ45 Ethernet Ports
Wireless Connectivity	WiFi 6E, Bluetooth 5.2
USB Ports	2x USB 3.2 (10Gbps), 2x USB 2.0, 1x USB4
Audio Jack	1x 3.5mm Audio Jack
Power Consumption	45 watts (Default TDP)
Dimensions	13 x 12 x 4.5 cm (5.12 x 4.72 x 1.77 inches)
Weight	1.25 kg
Color	Navy Blue

8. Warranty and Support

wo-we provides comprehensive after-sales service for your P8 Mini PC.

- **Warranty Period:** One year from the date of purchase.
- **Support Availability:** Our dedicated support team is available 24/7 to assist with setup, troubleshooting, and any technical questions.
- **Contact Information:**
  - For product questions, log into your Amazon account, go to "Your Account" > "Your order" > "Ask Product Questions".
  - Alternatively, you can reach out via email atservice@wo-we.com.
- **Service:** We offer offline maintenance service and provide 24-hour customer service support, including partial returns or exchanges during the warranty period.



Figure 9: wo-we customer support contact methods and warranty details.

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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