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## CHUWI CoreBox

# CHUWI CoreBox Mini PC User Manual

Model: CoreBox

## 1. INTRODUCTION

Welcome to the user manual for your CHUWI CoreBox Mini PC. This document provides essential information for setting up, operating, maintaining, and troubleshooting your device. The CoreBox is a compact and powerful mini desktop computer designed for various tasks, from daily computing to 4K media consumption and light gaming.



Image: The CHUWI CoreBox Mini PC, a new generation high-performance mini PC.

## 2. KEY FEATURES

- Powerful Processor:** Equipped with an 8th Gen Intel Core i5-8259U Processor (4 Cores, 8 Threads, up to 3.8GHz) for smooth and efficient performance.
- Ample Memory & Storage:** Features 16GB DDR4 RAM and a 512GB SSD for fast boot times and responsive multitasking.
- Integrated Graphics:** Intel Iris Plus Graphics 655 supports 4K ultra-high-definition streaming and dual-screen display.
- High-Speed Connectivity:** Dual-band 2.4G/5G WiFi (up to 867Mbps) and Gigabit Ethernet for stable and fast network access.
- Compact Design:** Ultra-compact metal case, weighing 1.3kg, designed to save desktop space and be portable.

## 8th Gen Intel® Coffee Lake Processors



Image: Details of the 8th Gen Intel Core i5-8259U Processor and Iris Plus 655 Graphics.

## Dual Channel 16GB Memory

CoreBox available with 16GB DDR4 RAM of dual channel enhances your daily programming and responsive speed all the more outstanding.



Image: Illustration of Dual Channel 16GB DDR4 Memory for enhanced performance.

## Dual-band WiFi+Gigabit Ethernet

Dual-band wifi supports 2.4G/5G frequency band, operating on the newer IEEE802.11ac standard, to deliver ultimate fast internet speed and more stable connection.

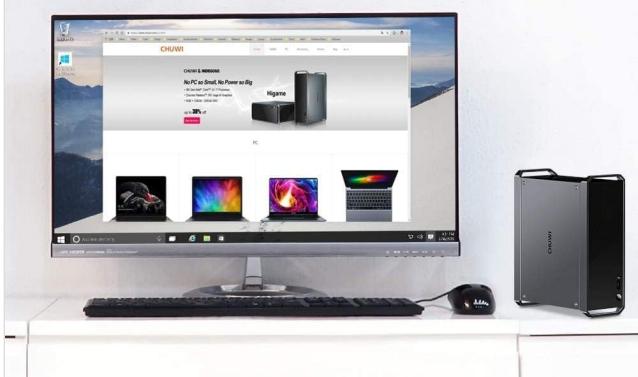


Image: Visual representation of Dual-band WiFi and Gigabit

Ethernet for high-speed networking.

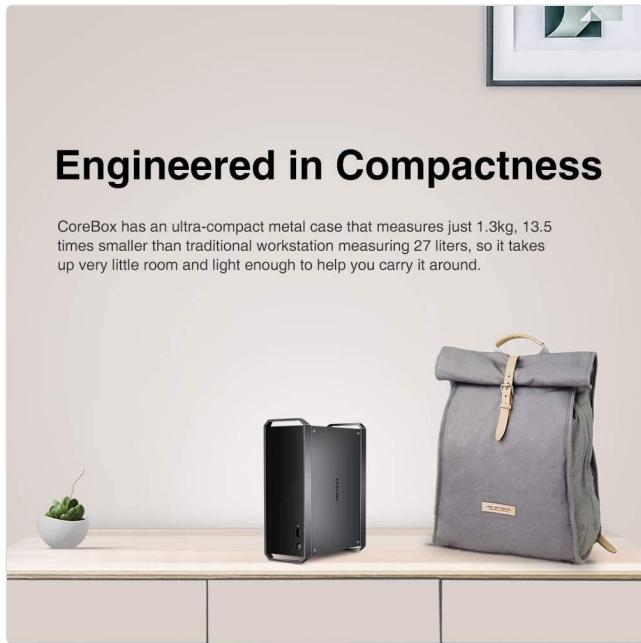


Image: The compact design of the CoreBox Mini PC next to a backpack, highlighting its portability.

## 3. SETUP GUIDE

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### 3.1. Connecting Peripherals

1. **Connect Monitor:** Use an HDMI or DisplayPort cable to connect your monitor(s) to the corresponding ports on the rear of the CoreBox. The device supports dual monitors.
2. **Connect Keyboard & Mouse:** Plug your USB keyboard and mouse into any of the available USB 3.0 ports.
3. **Connect Network:** For a wired connection, plug an Ethernet cable into the Gigabit Ethernet port. For wireless, ensure your WiFi network is available during initial setup.
4. **Connect Power:** Plug the power adapter into the DC port on the CoreBox, then into a power outlet.

### 3.2. Initial Power On & Windows Setup

1. Press the Power Button located on the front of the device.
2. Follow the on-screen instructions to complete the Windows 10 initial setup, including language, region, network connection, and user account creation.
3. It is recommended to perform all available Windows updates after the initial setup to ensure optimal performance and security.

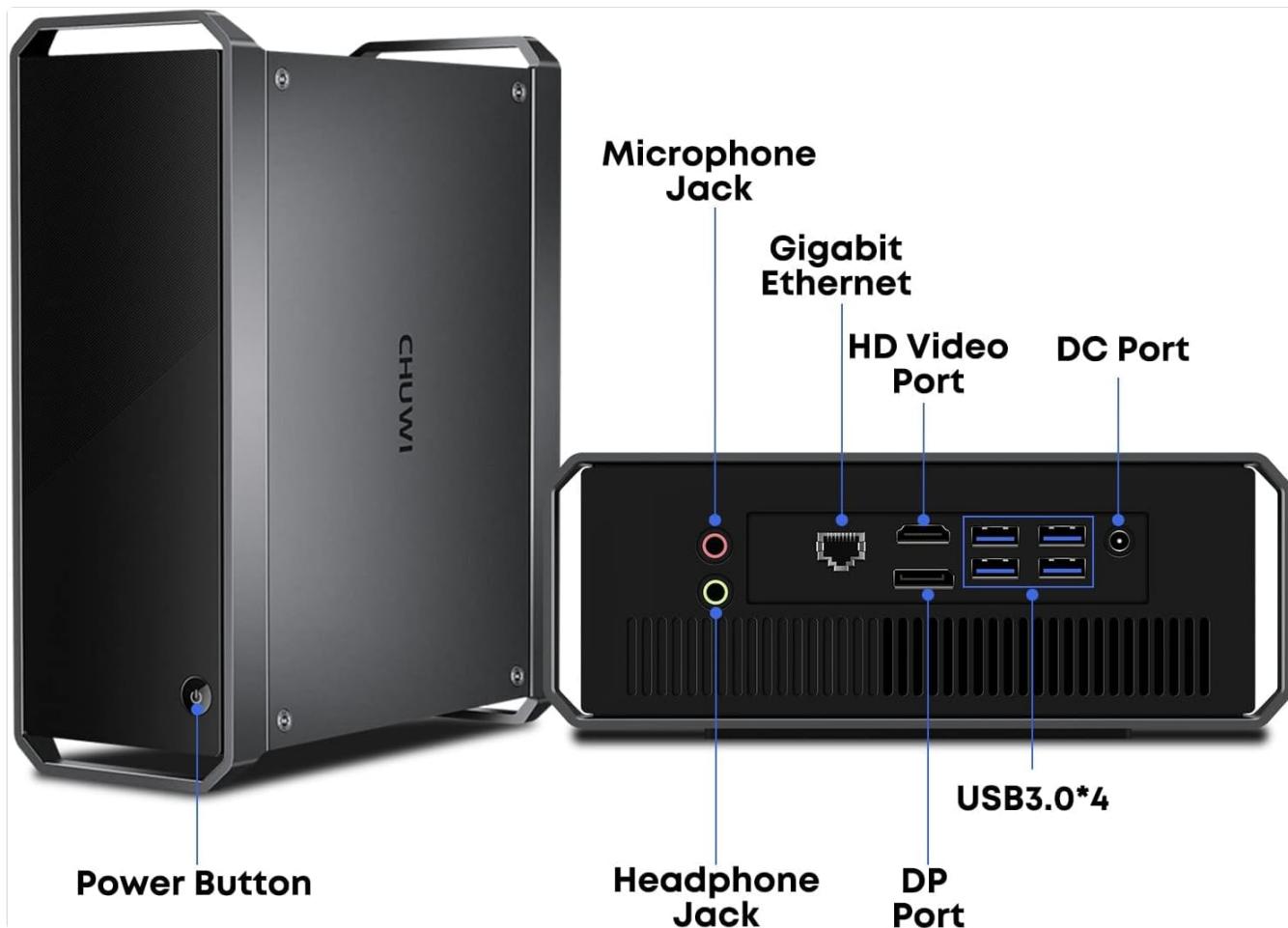


Image: Rear view of the CoreBox Mini PC showing various ports including Microphone Jack, Gigabit Ethernet, HD Video Port, DC Port, USB 3.0 ports, Headphone Jack, and DP Port.

## 4. OPERATING INSTRUCTIONS

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### 4.1. Basic Usage

The CHUWI CoreBox runs on Windows 10, providing a familiar and user-friendly operating environment. You can use it for web browsing, document creation, media playback, and various applications. Its powerful processor and ample RAM ensure smooth performance for everyday tasks and efficient multitasking.

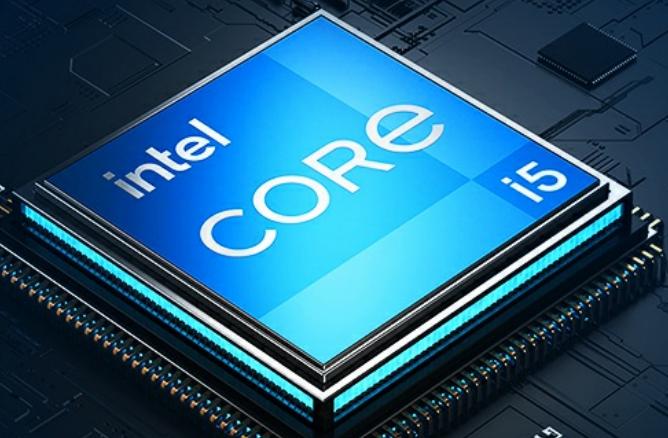
## Powerful Productivity

CoreBox keeps everything running at its optimum speed. It is powered by Intel Core i5-8259U with Iris plus 655 graphics, providing quick and responsive computing, network and graphical performance with enterprise-grade manageability. CoreBox is positioned as an affordable high-performance mini PC, so you can rest assured that it provides the best performance, efficiency and connectivity.

**Intel Core i5-8259U**  
3.8GHz Turbo frequency

**Iris plus 655**  
Graphics

**MAC mini / NUC**  
Same processor



The test data is derived from CHUWI's laboratory.

Image: The CoreBox Mini PC seamlessly handling multiple applications and tasks, including media playback and gaming.

### 4.2. 4K Media Playback

With Intel Iris Plus Graphics 655, the CoreBox supports 4K ultra-high-definition streaming and video decoding. Connect to a 4K display via the HD port or DisplayPort for an immersive visual experience. This makes it ideal for home theater setups.

# HTPC 4K Hard-Decoding

CoreBox comes equipped with integrated Intel® Iris Plus Graphics 655 that supports DirectX 12 rendering and clocks at 1050MHz. Now you can immerse yourself in the high-definition 4K viewing experience.



Image: The CoreBox Mini PC connected to a television, demonstrating its 4K hard-decoding capabilities for high-definition content.

## 4.3. Dual Display Support

The CoreBox supports connecting two monitors simultaneously via its HD port and DisplayPort, allowing for extended desktop space and enhanced productivity or entertainment setups.

## Dual-displays Support

Via 4096 x 2304@30Hz display port & HD port  
Synchronize your work and entertainment



Image: The CoreBox Mini PC connected to two curved monitors, illustrating its dual-display support for synchronized work and entertainment.

## 5. CONNECTIVITY

The CoreBox offers a comprehensive set of ports and wireless options for versatile connectivity:

- **USB 3.0 Ports:** Four USB 3.0 ports for connecting peripherals and external storage devices.
- **Video Outputs:** One HD Video Port (HDMI) and one DisplayPort for connecting displays, supporting up to 4096 x 2304@30Hz.
- **Network:** One Gigabit Ethernet port for stable wired internet, and Intel AC 6221C dual-band WiFi (2.4G/5G) for wireless connectivity.
- **Audio:** Separate Microphone Jack and Headphone Jack for audio input and output.
- **Bluetooth:** Integrated Bluetooth 4.2 for connecting wireless accessories.

## Rich I/O Ports, Extensive Connectivity

CoreBox features multiple connectivity options including 4\* USB 3.0, 1\*HD Video Port, 1\* Display Port, 1\*microphone and 1\*headphone jack for more flexibility. Building your own workstation will never be a problem.



Image: A detailed diagram illustrating the rich I/O ports and extensive connectivity options of the CoreBox Mini PC.

## 6. STORAGE EXPANSION

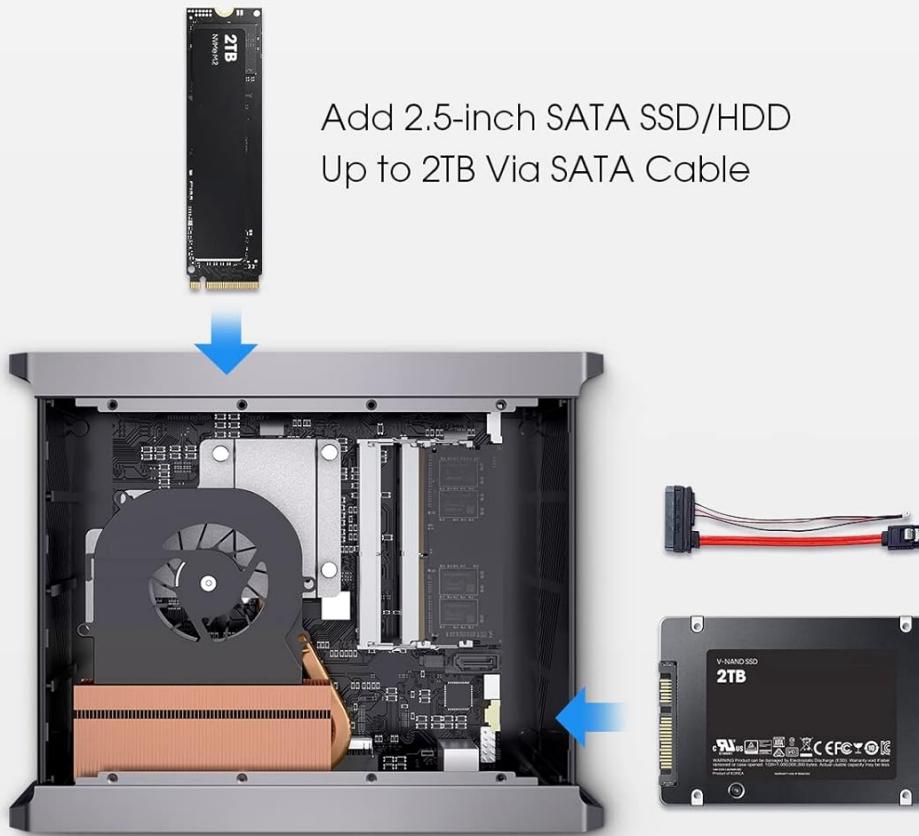
The CHUWI CoreBox comes with a 512GB SSD, and its storage can be expanded further:

- **2.5-inch SATA Drive:** You can add a 2.5-inch SATA HDD or SSD (up to 2TB) via the internal SATA interface. This allows for significant additional storage for files, media, or games.
- **M.2 SATA 2280 Slot:** The existing 512GB SSD is installed in an M.2 SATA 2280 slot. This slot can be used to replace the current drive with a larger capacity M.2 SATA SSD, also up to 2TB.

*Note: Opening the device for storage expansion should be done carefully to avoid damaging internal components. Refer to the detailed instructions provided with your device or consult professional assistance if unsure.*

# Large Storage Expansion

16GB DDR4 RAM & 512GB SATA SSD Storage



Add 2.5-inch SATA SSD/HDD  
Up to 2TB Via SATA Cable

Replace Larger Hard Drive  
Up to 2TB Via M.2 SATA 2280 slot

Image: A diagram illustrating how to add a 2.5-inch SATA SSD/HDD and replace the M.2 SATA 2280 SSD for storage expansion.

## 7. TECHNICAL SPECIFICATIONS

Feature	Specification
Processor	Intel Core i5-8259U (4 Cores, 8 Threads, 2.3GHz base, up to 3.8GHz Turbo)
Graphics	Intel Iris Plus Graphics 655
RAM	16GB DDR4 (Max 2400MHz)
Storage	512GB SSD (M.2 SATA 2280)
Storage Expansion	2.5-inch SATA HDD/SSD up to 2TB
Operating System	Windows 10 Home
Wireless Connectivity	Dual-band WiFi (2.4G/5G, Intel AC 6221C), Bluetooth 4.2

Wired Connectivity	Gigabit Ethernet (RJ45)
Video Ports	1x HD Video Port (HDMI), 1x DisplayPort (supports 4096x2304@30Hz)
USB Ports	4x USB 3.0
Audio Ports	Microphone Jack, Headphone Jack
Dimensions (LxWxH)	6.81 x 6.22 x 2.87 inches (178.8 x 157.5 x 72.2 mm)
Weight	3.52 pounds (1.6 kg)

## 8. MAINTENANCE

To ensure the longevity and optimal performance of your CHUWI CoreBox, follow these maintenance guidelines:

- **Keep Clean:** Regularly clean the exterior of the device with a soft, dry cloth. Ensure ventilation grilles are free from dust and debris to prevent overheating.
- **Software Updates:** Keep your Windows operating system and drivers updated. Regular updates improve security, stability, and performance.
- **Proper Ventilation:** Place the CoreBox in a well-ventilated area. Avoid blocking the air vents to allow for efficient heat dissipation.
- **Safe Shutdown:** Always shut down the system properly through the Windows menu rather than simply unplugging it.



Image: A diagram illustrating the excellent cooling system within the CoreBox Mini PC, showing airflow for heat dissipation.

## 9. TROUBLESHOOTING

Here are solutions to some common issues you might encounter:

- **No Display:**
  - Ensure the monitor is powered on and correctly connected to the CoreBox via HDMI or DisplayPort.
  - Try a different cable or monitor if available.
  - Verify the CoreBox is powered on (power button LED should be lit).
- **No Internet Connection:**
  - For wired connection, check if the Ethernet cable is securely plugged in and your router is working.
  - For WiFi, ensure WiFi is enabled in Windows settings and you are connected to the correct network with the right password.

- Restart your router and the CoreBox.

- **Slow Performance:**

- Close unnecessary applications running in the background.
- Check for and install any pending Windows updates.
- Ensure the device has adequate ventilation and is not overheating.

## 10. WARRANTY AND SUPPORT

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Your CHUWI CoreBox Mini PC comes with a **12-month warranty**. For technical assistance, troubleshooting, or warranty claims, please contact CHUWI customer support. You can typically find support contact information on the official CHUWI website or through your purchase platform.

CHUWI provides lifetime technical support to assist you with any product-related inquiries.



Image: CHUWI Brand Strength highlighting 12-month warranty and lifetime technical support.

## 11. PRODUCT VIDEOS

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### CHUWI CoreBox i5-8259U Mini PC Overview

Your browser does not support the video tag.

Video: An overview of the CHUWI CoreBox Mini PC, showcasing its design, internal components, and performance capabilities.

### CHUWI CoreBox Core i5 Mini PC Gaming Performance

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Video: Demonstrates the gaming performance of the CHUWI CoreBox Mini PC with its Core i5 processor.

### CHUWI CoreBox Mini PC Product Showcase

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Video: A comprehensive showcase of the CHUWI CoreBox Mini PC, highlighting its features and compact form factor.

