

Huidun H50

Huidun H50 Ryzen 3300U Mini PC User Manual

1. INTRODUCTION AND OVERVIEW

The Huidun H50 Mini PC is a compact and powerful desktop computer designed for various applications, from office work to home entertainment. Featuring an AMD Ryzen 3 3300U processor and pre-installed Windows 11 Pro, it offers efficient performance in a small form factor. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Huidun H50 Mini PC.



Figure 1: Huidun H50 Mini PC overview highlighting its compact design and core specifications.

Video 1: An official product video demonstrating the Huidun H50 Mini PC's compact size and powerful capabilities for various tasks.

2. WHAT'S IN THE BOX

Verify that all items are present in the package before proceeding with setup:

- Huidun H50 Silent Mini PC (x1)
- Power adapter (x1)
- HDMI cable (x1)
- VESA bracket (x1)
- User Manual and Warranty Information

3. PRODUCT FEATURES

3.1. Performance and Specifications

The Huidun H50 is equipped with an AMD Ryzen 3 3300U processor, featuring 4 cores and 4 threads with a turbo boost frequency of up to 3.5 GHz. Integrated AMD Radeon Vega 6 graphics provide smooth 4K visuals. The system includes 8GB DDR4 RAM and a 256GB M.2 SSD, with storage expandable up to 2TB via an internal 2.5-inch bay.

AMD Ryzen 3300U Processor

Smooth, Sharp, Stunning

Fluid Visuals, Effortless Performance. AMD Radeon Vega 6 Graphics power smooth 4K visuals and a responsive interface. Experience everyday computing with stunning clarity and newfound fluidity.

AMD
RYZEN

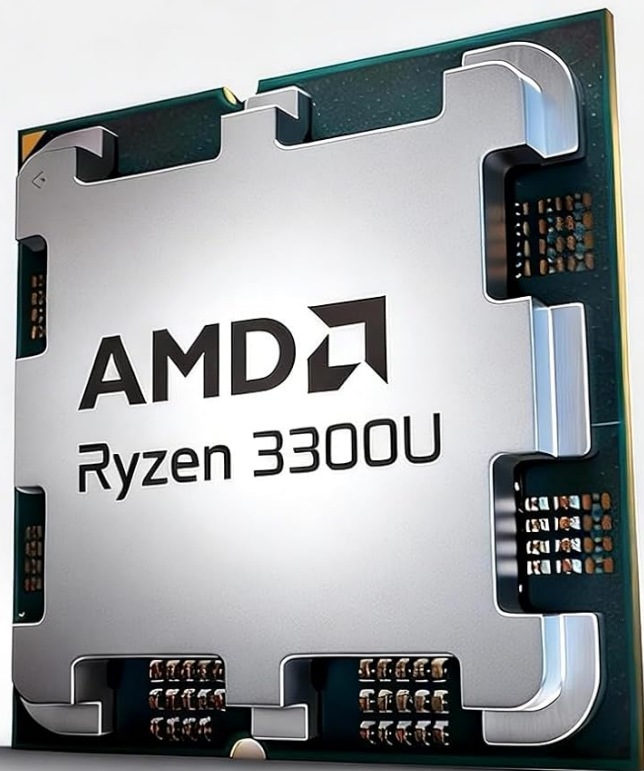


Figure 2: The AMD Ryzen 3300U processor, the core of the Huidun H50 Mini PC.

3.2. Compact Design and Portability

Measuring just 3.94 x 3.94 x 1.39 inches and weighing 0.58 lbs, the Huidun H50 is significantly smaller than traditional desktop computers. Its ultra-compact design allows for versatile placement, including VESA mounting behind a monitor for a clutter-free workspace, or easy portability in a bag.



Figure 3: Size comparison illustrating the Huidun H50's compact footprint versus a standard desktop PC.

3.3. Cooling and Quiet Operation

The Huidun H50 incorporates a pure-copper cooling system with a large heat dissipation area (35,455 mm²) to ensure thermal stability. Optimized fan control keeps operation whisper-quiet, typically under 25dB, minimizing distractions during use.

Smooth. Fast. Unlimited.

Get the speed to multitask seamlessly and the space to keep your digital world within reach

8GB RAM
(DDR4)

256GB SSD
(Up to 2TB)

Figure 4: Illustration of the Huidun H50's advanced cooling system for sustained performance.

3.4. Operating System and Compatibility

The Mini PC comes with Windows 11 Pro pre-installed, offering enhanced security, privacy, and efficiency features. It also supports other operating systems such as Linux and Ubuntu, providing flexibility for various user needs.

Wide System Compatibility



Figure 5: The Huidun H50 Mini PC demonstrating compatibility with Windows 11 Pro, Linux, and Ubuntu.

3.5. Connectivity and Display

The Huidun H50 supports dual 4K Ultra HD display output at 60Hz via HDMI 2.0 and DisplayPort 1.4. It features multiple USB 3.2 ports, USB 2.0 ports, an Ethernet LAN port, and an audio in/out jack. For wireless connectivity, it includes Dual Band WiFi (5GHz for high-speed, 2.4GHz for smart devices) and Bluetooth 4.2.

Huidun H50 MINI PC

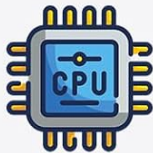
8GB RAM 256GB M.2 SSD
(up to 2TB)



Less carbon emissions



AMD Radeon Vega 6



Windows 11 Pro



FLUID AMD
RYZEN 3300U



USB 3.2



WiFi 5
Bluetooth 4.2

3 YEAR



Space-Saving



Figure 6: Detailed view of the Huidun H50 Mini PC's versatile input/output ports.

Smaller, Less Cables and Energy Saving

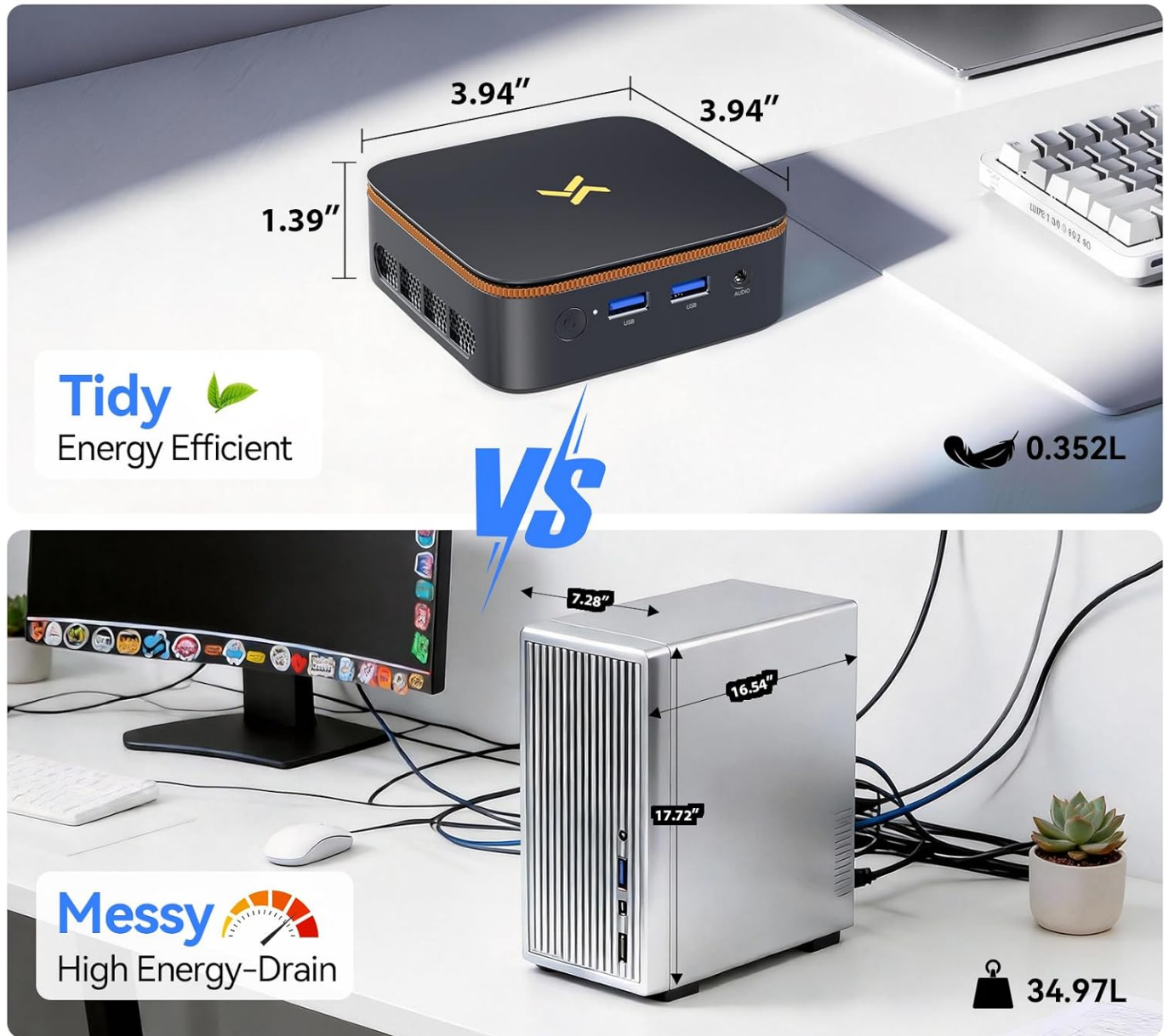


Figure 7: Dual screen setup with the Huidun H50 Mini PC, ideal for multitasking.

Versatile Ports, Multifunctional Use



Figure 8: Wireless connectivity options of the Huidun H50 Mini PC.

4. SETUP GUIDE

4.1. Connecting Peripherals

1. **Connect Monitor(s):** Use the provided HDMI cable to connect your monitor to the HDMI port on the Mini PC. If using a DisplayPort monitor or a dual-monitor setup, connect additional cables as needed.
2. **Connect Keyboard and Mouse:** Plug your USB keyboard and mouse into the available USB ports. For wireless peripherals, ensure they are paired via Bluetooth or connected via their respective USB dongles.
3. **Connect to Network:** For a wired connection, plug an Ethernet cable into the LAN port. For Wi-Fi, ensure your router is active and you have the network password.
4. **Connect Power:** Plug the power adapter into the DC Jack on the Mini PC, then plug the adapter into a power outlet.

4.2. Powering On and Initial Setup

1. Press the power button located on the front of the Mini PC.

2. The system will boot up. Follow the on-screen instructions to complete the initial Windows 11 Pro setup, including language, region, network connection, and user account creation.

5. OPERATING INSTRUCTIONS

5.1. Basic Operation

- **Power On/Off:** Press the power button to turn on. To shut down, go to Start > Power > Shut down in Windows.
- **Restart:** Go to Start > Power > Restart.
- **Sleep:** Go to Start > Power > Sleep.

5.2. Network Connectivity

- **Wi-Fi:** In Windows, click the network icon in the taskbar, select your Wi-Fi network, enter the password, and click Connect.
- **Ethernet:** If an Ethernet cable is connected, the system should automatically establish a wired network connection.

5.3. Using Multiple Displays

To configure dual monitors, connect both displays to the HDMI and DisplayPort outputs. In Windows, right-click on the desktop, select "Display settings," and arrange your displays as desired (e.g., Extend, Duplicate).

5.4. Storage Expansion

The Huidun H50 supports storage expansion via an internal 2.5-inch SATA bay. To install an additional SSD or HDD (up to 2TB), refer to the detailed instructions in the full user manual or consult technical support. This process typically involves opening the chassis and securing the drive.

6. MAINTENANCE

6.1. Cleaning

- Regularly clean the exterior of the Mini PC with a soft, dry cloth.
- Use compressed air to gently clear dust from ventilation openings to maintain optimal airflow and cooling performance. Ensure the device is powered off before cleaning.

6.2. Software Updates

Keep your operating system and drivers updated to ensure system stability and security. Windows Update can be accessed via Settings > Windows Update.

6.3. Storage Management

Periodically check your storage usage and remove unnecessary files or applications to maintain system performance. Utilize disk cleanup tools available in Windows.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your Huidun H50 Mini PC.

7.1. No Power

- Ensure the power adapter is securely connected to both the Mini PC and a working power outlet.

- Verify the power outlet is functional by plugging in another device.

7.2. No Display

- Check that the HDMI or DisplayPort cable is firmly connected to both the Mini PC and the monitor.
- Ensure the monitor is powered on and set to the correct input source (HDMI/DisplayPort).
- Try connecting to a different monitor or using a different cable to rule out faulty equipment.

7.3. Network Connectivity Issues

- **Wired:** Check the Ethernet cable connection. Restart your router and the Mini PC.
- **Wireless:** Ensure Wi-Fi is enabled in Windows settings. Verify the Wi-Fi password. Restart your router and the Mini PC.

7.4. System Slowdown

- Close unnecessary applications running in the background.
- Check for and install any pending Windows updates.
- Perform a disk cleanup and defragmentation (for HDD, not necessary for SSD).
- Ensure the Mini PC has adequate ventilation and is not overheating.

8. SPECIFICATIONS

Feature	Detail
Brand	Huidun
Model Name	H50 Mini PC
Operating System	Windows 11 Pro
CPU Model	AMD Ryzen 3 3300U
CPU Speed	3.7 GHz (Max Turbo)
Graphics Coprocessor	AMD Radeon Vega 6
RAM Memory Installed Size	8 GB DDR4
RAM Memory Maximum Size	32 GB
Hard Disk Description	256 GB SSD (M.2, expandable via 2.5-inch bay up to 2TB)
Video Output	HDMI 2.0, DisplayPort 1.4 (Dual 4K@60Hz support)
Connectivity Technology	Ethernet, HDMI, USB, Wi-Fi (Dual Band), Bluetooth 4.2
USB Ports	4 (USB 3.2 x2, USB 2.0 x2)
Item Dimensions	3.94 x 3.94 x 1.39 inches
Item Weight	0.58 lbs (approx. 265g)

9. WARRANTY AND SUPPORT

Huidun provides a comprehensive 36-month (3-year) manufacturer's warranty from the date of purchase for the H50 Mini PC. Additionally, lifetime technical support is available to ensure a positive user experience.

9.1. Contacting Support

For any technical assistance or warranty claims, please contact Huidun's professional multilingual support team. You can typically find contact information via your purchase platform's "Account Service" or "Order History" sections. Responses are generally provided within 24 hours.



Figure 9: Overview of Huidun's global after-sales support services.

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