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› HanCenDa 240W Magnetic USB C Adapter (Vertical) Instruction Manual

HanCenDa XCD-511

HanCenDa 240W Magnetic USB C Adapter (Vertical)

MODEL: XCD-511 INSTRUCTION MANUAL

1. INTRODUCTION

The HanCenDa 240W Magnetic USB C Adapter provides a convenient and protective solution for your USB-C devices. This adapter features a magnetic connection, supporting high-speed data transfer up to 40Gbps, 8K@60Hz video output, and fast charging up to 240W. Its design aims to prevent wear and tear on your device's USB-C ports and offers broad compatibility with various laptops, tablets, and smartphones.

2. KEY FEATURES

- **Enhanced 240W Fast Charging:** Supports power delivery up to 240W, intelligently optimizing output for your device's specific needs.
- **Convenient Magnetic Design:** Utilizes N52 magnets and a high-quality aluminum alloy shell for an automatic, quick, and easy magnetic connection. This design helps prevent wear and tear on device ports.
- **40Gbps Data Transfer and 8K@60Hz Video:** Compatible with Thunderbolt standards, enabling 40Gbps data transmission speeds and impeccable 8K@60Hz high-definition video and audio output.
- **Port Protection:** The magnetic connection allows the cable to detach easily, safeguarding your device's USB-C ports from damage due to accidental pulls.
- **Wide Compatibility:** Plug-and-play design compatible with most USB-C devices, including MacBook Pro/Air, iPad, iMac, Steam Deck, Nintendo Switch, Oculus Quest, iPhone 15/15 Plus/15 Pro/15 Pro Max, Samsung Galaxy, Pixel, and Chromebooks.



Figure 2.1: Overview of the HanCenDa Magnetic USB C Adapter's key features.

3. SETUP INSTRUCTIONS

The HanCenDa Magnetic USB C Adapter is designed for plug-and-play functionality, requiring no additional drivers for most operating systems.

3.1 Connecting the Adapter to Your Device

1. Identify an available USB-C port on your compatible device (e.g., laptop, tablet, smartphone).
2. Gently insert the male USB-C end of the magnetic adapter into the device's USB-C port. Ensure it is fully seated. The adapter is designed to be low-profile.
3. Once inserted, the adapter's LED indicator may illuminate, signifying it is active and ready for connection.



Figure 3.1: The vertical magnetic USB-C adapter securely inserted into a laptop's USB-C port.

3.2 Attaching Your USB-C Cable

1. Take your USB-C cable (for charging, data, or video) and bring its male USB-C connector close to the magnetic end of the adapter.
2. The strong N52 magnets will automatically align and snap the cable into place, establishing a secure connection.
3. Verify that the connection is firm and that any charging or data transfer indicators on your device or cable are active.



Mini, Convenient

Straight design allow 2 USB C ports inserted without disturbing each other

Figure 3.2: Two magnetic adapters connected to a laptop, demonstrating how they can be used side-by-side for charging and data.

Your browser does not support the video tag.

Video 3.1: This video demonstrates the connection process, data transfer capabilities, and charging function of the HanCenDa 240W Magnetic USB C Adapter.

4. OPERATION

4.1 Charging

The adapter supports up to 240W Power Delivery (48V/5A), allowing for rapid charging of compatible devices. It intelligently adjusts its power output to match your device's requirements, ensuring efficient and safe charging. For optimal charging speeds, use a USB-C cable and power adapter that support 240W or your device's maximum charging wattage.

240W Fast Charging Everything (48V/5A)

Macbook/iPad/C-port Phone

35mins 88%
Macbook Pro 2021

VS

More pins, more power

Support maximum 240W pass-through charging

Figure 4.1: The adapter delivering 240W fast charging to a MacBook Pro.

4.2 Data Transfer

This adapter is compatible with Thunderbolt standards, enabling data transfer speeds of up to 40Gbps. This allows for quick synchronization of large files, backups, and other data-intensive tasks between your device and external storage or peripherals.



40Gbps High Speed Transmission

TB4 40Gbps



USB 3.0 5Gbps



Figure 4.2: High-speed 40Gbps data transfer in progress using the adapter.

4.3 Video Output

When connected with a compatible USB-C cable, the adapter supports high-definition video and audio output at 8K resolution and 60Hz refresh rate. This makes it suitable for connecting your device to external monitors, TVs, or docking stations for an immersive visual experience.



Figure 4.3: A laptop displaying content on an 8K monitor through the magnetic adapter.

4.4 Magnetic Breakaway Function

The magnetic connection is designed to be strong enough for stable use but will detach if the cable is pulled with sufficient force. This breakaway feature helps prevent your device from being pulled off a surface and protects the USB-C port from damage.

5. MAINTENANCE

- **Keep Contacts Clean:** Periodically inspect the magnetic contacts on both the adapter and your USB-C cable. Use a dry, soft cloth or a cotton swab to gently clean any dust or debris that may accumulate, which could affect connectivity.
- **Avoid Excessive Force:** While the magnetic connection is robust, avoid twisting or bending the adapter excessively when connecting or disconnecting.
- **Storage:** When not in use, store the adapter in a clean, dry environment to prevent exposure to moisture or

extreme temperatures.

- **Handle with Care:** The adapter is built with a durable aluminum alloy shell, but dropping it on hard surfaces may cause damage.

6. TROUBLESHOOTING

- **No Power/Charging:**
 - Ensure the adapter is fully inserted into your device's USB-C port.
 - Check that your USB-C charging cable and power adapter are functioning correctly and support the required wattage.
 - Verify that the magnetic connection between the cable and adapter is secure.
- **No Data Transfer or Video Output:**
 - Confirm that your USB-C cable supports data transfer and video output at the desired speeds/resolutions (e.g., 40Gbps, 8K@60Hz).
 - Ensure your connected devices (e.g., external drive, monitor) are compatible with the adapter's specifications.
 - Check for any debris on the contacts that might interfere with signal transmission.
- **Loose Magnetic Connection:**
 - Re-align the magnetic connection. Ensure there is no foreign material between the adapter and the cable.
 - The magnetic strength is designed to allow breakaway under certain force to protect ports. If it detaches too easily, ensure it's properly aligned.
- **Adapter Overheating:**
 - It is normal for the adapter to become slightly warm during high-power charging or data transfer. If it becomes excessively hot, disconnect it immediately and contact support.

7. SPECIFICATIONS

Feature	Detail
Model Number	XCD-511
Brand	HanCenDa
Connector Type	USB Type C (Magnetic)
Power Delivery	Up to 240W (48V/5A)
Data Transfer Speed	Up to 40Gbps (Thunderbolt compatible)
Video Output	8K@60Hz
Number of Pins	24-PIN
Material	Aluminum Alloy Shell, N52 Magnets
Color	Black

Feature	Detail
Item Weight	0.03 kg
Compatible Devices	Laptops, Tablets, Smartphones with USB-C ports

8. WARRANTY AND SUPPORT

8.1 Warranty Information

This HanCenDa product comes with a**Limited Warranty**. Please refer to the product packaging or the official HanCenDa website for specific terms and conditions of the warranty, including coverage duration and claim procedures.

8.2 Customer Support

If you encounter any issues or have questions regarding the use, maintenance, or troubleshooting of your HanCenDa 240W Magnetic USB C Adapter, please contact HanCenDa customer support. Contact details can typically be found on the product packaging, the official HanCenDa website, or through your retailer's support channels.

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.

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