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Cable Matters 201328-BLK

Cable Matters Portable USB-C to HDMI 2.1 Adapter User Manual

Model: 201328-BLK | Brand: Cable Matters

1. Introduction

This manual provides instructions for the Cable Matters Portable USB-C to HDMI 2.1 Adapter. This device allows you to connect a USB-C enabled source device, such as a laptop, tablet, or smartphone, to an HDMI display, monitor, or projector. It supports high-resolution video output up to 8K at 60Hz or 4K at 240Hz, and includes a USB-C Power Delivery (PD) port for host device charging.



Image 1: Front view of the Cable Matters Portable USB-C to HDMI 2.1 Adapter.

2. Key Features

- **HDMI 2.1 Support:** Enables video output up to 8K (7680x4320) at 60Hz or 4K (3840x2160) at 240Hz.
- **48Gbps Bandwidth:** Supports high data transfer rates required for advanced video resolutions and features.
- **100W Power Delivery (PD):** Provides up to 100 watts of power to charge the host device while video is being output.
- **High Dynamic Range (HDR):** Enhances color depth and contrast for compatible displays.
- **Auto Low Latency Mode (ALLM):** Optimizes display settings for gaming.
- **Advanced Audio Support:** Compatible with surround sound audio formats such as Dolby Atmos and DTS:X.
- **HDCP 2.3/2.2:** Supports content protection for secure playback of copyrighted material.
- **Compact and Portable Design:** Features a foldable USB-C cable for convenient storage and travel.

3. Compatibility

The adapter is compatible with USB-C source devices that support DisplayPort Alternate Mode (DP Alt Mode) or Thunderbolt 3/4. This includes a wide range of laptops, tablets, and smartphones.

- **Laptops:** MacBook, MacBook Air, MacBook Pro, iMac, iMac Pro, iPad Pro, Lenovo, Dell XPS, Intel Evo laptops.
- **Smartphones:** iPhone 15 series (Pro/Max), and other USB-C phones with video output capabilities.
- **Graphics Cards:** Newer Nvidia RTX 3000 series and AMD Radeon RX6000 series.
- **Operating Systems:** Compatible with devices running Windows, macOS, iPadOS, Android, and ChromeOS that support DP Alt Mode.

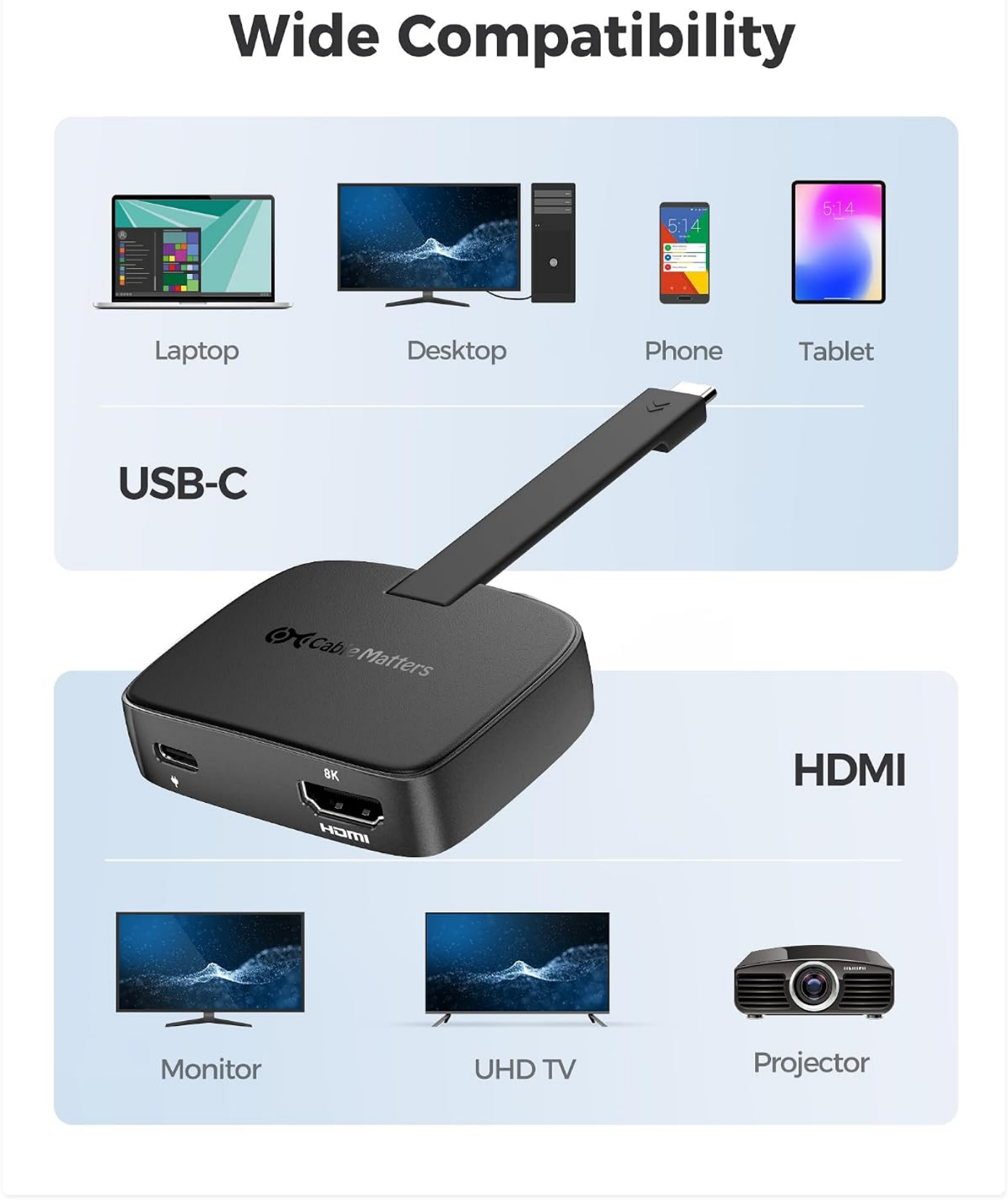


Image 2: Visual representation of the adapter's wide compatibility with various devices and displays.

4. Setup Instructions

Follow these steps to connect your USB-C device to an HDMI display:

1. **Connect to Display:** Plug one end of an HDMI cable (not included) into the HDMI port on your display (monitor, TV, or projector).

2. **Connect to Adapter:** Plug the other end of the HDMI cable into the HDMI port on the Cable Matters adapter.
3. **Connect to Source Device:** Plug the integrated USB-C cable from the adapter into a compatible USB-C port on your laptop, tablet, or smartphone.
4. **(Optional) Connect Power:** If charging is desired, connect a USB-C power adapter (not included) to the USB-C PD port on the Cable Matters adapter.
5. **Select Input:** On your display, select the correct HDMI input source.

Your device should automatically detect the external display and extend or mirror your screen. If not, adjust display settings in your operating system.



Image 3: Illustration of the adapter in a typical plug-and-play setup, connecting a laptop to an external display.

5. Operation

Once connected, the adapter functions automatically. The video signal from your USB-C device will be transmitted to the HDMI display. The USB-C PD port allows for simultaneous charging of your host device.

- **Video Output:** The adapter supports various display modes, including mirroring (duplicating your screen) and

extending (using the external display as a separate workspace). These settings are managed through your device's display preferences.

- **Charging:** When a USB-C power adapter is connected to the PD port, power is passed through to your host device. Ensure your power adapter provides sufficient wattage for your device's needs.
- **Audio:** Audio will typically be routed through the HDMI connection to your display's speakers or connected audio system. You may need to select the HDMI output as your preferred audio device in your operating system's sound settings.

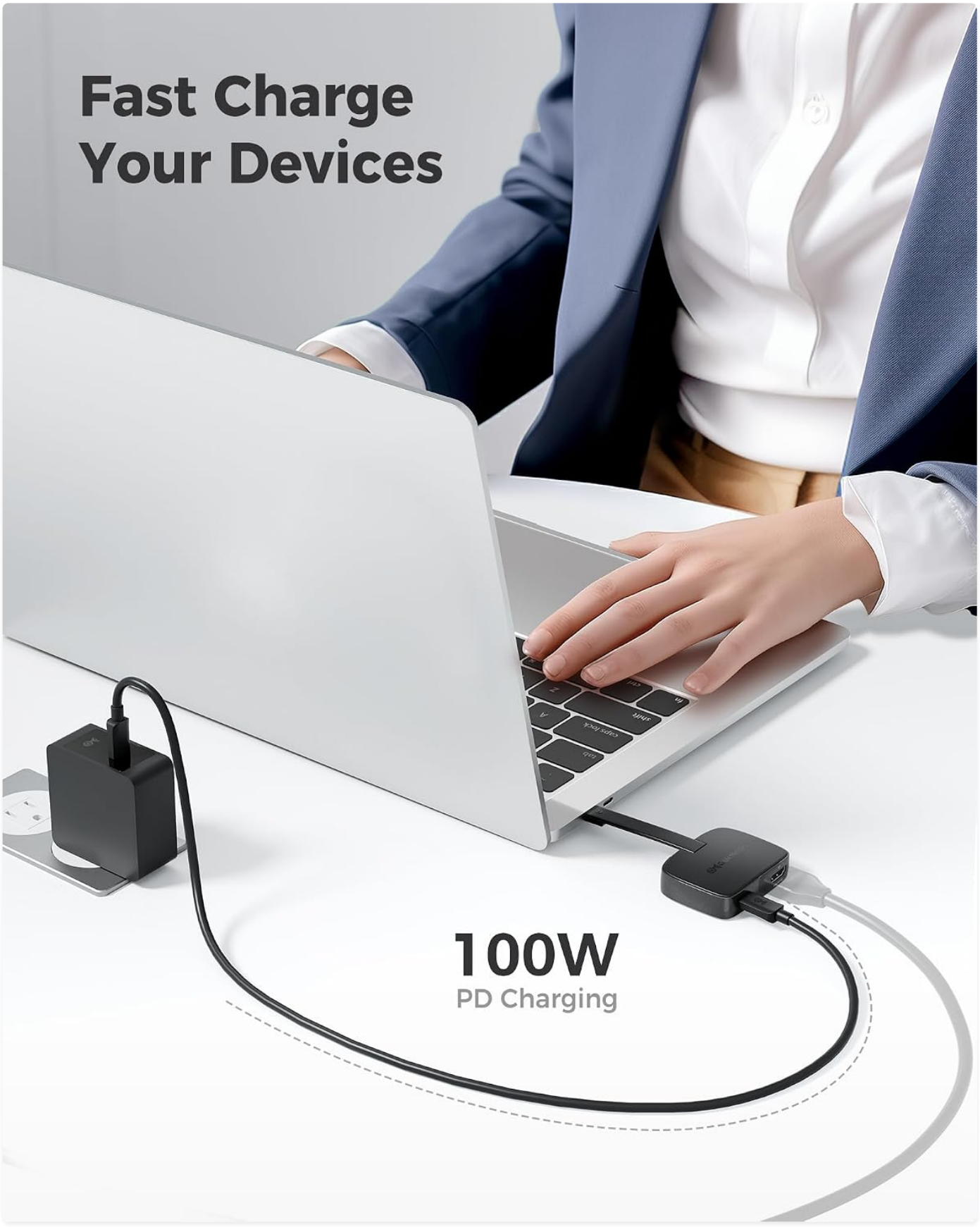


Image 4: The adapter facilitating 100W Power Delivery to a laptop while connected to a display.

6. Care and Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the adapter. Avoid liquid cleaners or solvents.
- **Storage:** Store the adapter in a cool, dry place away from direct sunlight and extreme temperatures. The foldable USB-C cable design helps protect the connector during storage and transport.
- **Handling:** Avoid dropping the adapter or subjecting it to strong impacts. Do not force connectors into ports.

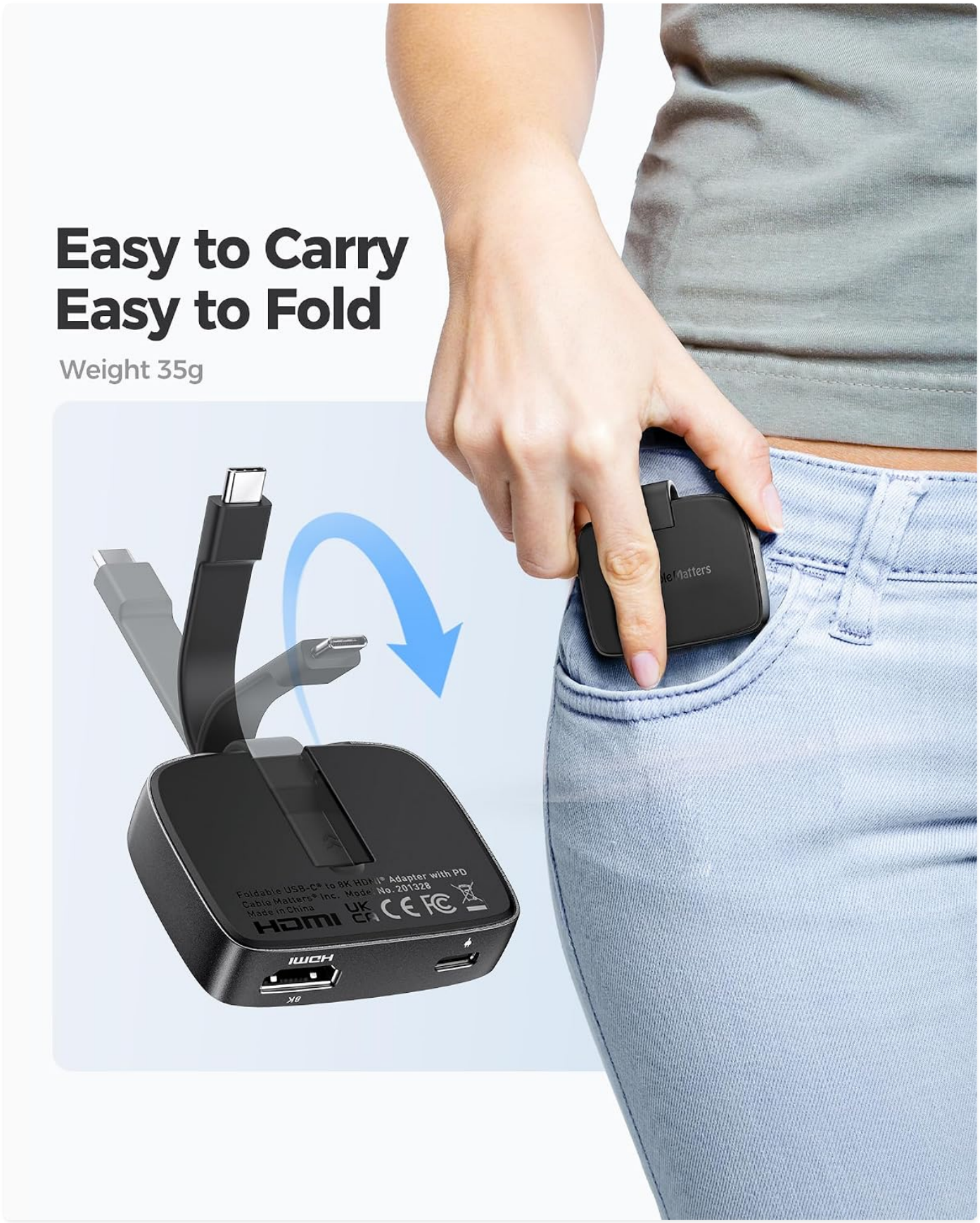


Image 5: The adapter's compact and foldable design, highlighting its portability and ease of storage.

7. Troubleshooting

Issue	Possible Solution

Issue	Possible Solution
No display on external monitor.	Ensure all cables are securely connected. Verify your source device's USB-C port supports DisplayPort Alternate Mode. Check your display's input source selection. Restart your source device. Test with a different HDMI cable or display if possible.
No charging through the PD port.	Ensure your USB-C power adapter is functional and connected to the adapter's PD port. Verify your power adapter provides sufficient wattage (e.g., 100W). Check if your source device supports USB-C Power Delivery.
Resolution or refresh rate is not as expected.	Ensure your HDMI cable is rated for HDMI 2.1 and supports the desired resolution/refresh rate. Verify your source device and display both support the desired resolution and refresh rate. Update graphics drivers on your source device. Adjust display settings in your operating system.
No audio from the display.	Check your device's sound settings and ensure the HDMI output is selected as the audio device. Verify the display's volume is turned up and not muted.

8. Technical Specifications

Feature	Specification
Model Number	201328-BLK
Input	USB-C (DisplayPort Alternate Mode / Thunderbolt 3/4 compatible)
Output	HDMI 2.1
Max Video Resolution	8K @ 60Hz, 4K @ 240Hz
Bandwidth	48Gbps
Power Delivery	Up to 100W via USB-C PD port
HDCP Support	HDCP 2.3, HDCP 2.2
Dimensions	2.44 x 2.24 x 0.59 inches
Item Weight	1.76 ounces (0.05 Kilograms)
Color	Black
UPC	810115182542

Note: Maximum resolution and refresh rate depend on the capabilities of your source device, HDMI cable, and display.



Image 6: The adapter enabling 8K Ultra HD resolution on an external display.

9. Warranty and Support

Cable Matters products are designed for reliability and performance. For warranty information and technical support, please refer to the official Cable Matters website or contact their customer service directly.

Manufacturer: Cable Matters

For further assistance, visit the Cable Matters Store on Amazon or their official website.

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