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Cable Matters 201485

Cable Matters USB C to 2.5Gb Ethernet Adapter User Manual

Model: 201485

1. Product Overview

The Cable Matters USB C to 2.5Gb Ethernet Adapter provides a high-speed wired network connection for USB-C and Thunderbolt-enabled devices. This adapter allows for network speeds up to 2.5 Gigabit Ethernet, enhancing performance for activities such as UHD/8K/4K streaming, online gaming, and large file transfers. It features a durable design with an aluminum housing and a braided pigtail cable, ensuring reliable and long-lasting use. The adapter is designed for plug-and-play functionality, requiring no driver installation on most supported operating systems.



Image 1.1: The Cable Matters USB C to 2.5Gb Ethernet Adapter, showcasing its compact design with a USB-C connector and an RJ45 Ethernet port. The adapter features a gray aluminum casing and a black braided cable.

2. Features

- **Blazing-Fast 2.5Gbps Network Speed:** Supports up to 2500 Mbps Ethernet speed for ultra-fast internet performance.
- **Stable Performance with Advanced Chipset:** Ensures consistent performance, minimizes power consumption, and reduces heat generation.
- **Premium & Durable Design:** Features aluminum housing for durability and heat dissipation, and a braided pigtail cable for strength and flexibility.
- **Plug & Play – No Drivers Needed:** Easy setup without the need for driver installation on compatible operating systems.
- **Wide Compatibility Across Devices:** Compatible with MacBook, iMac, Dell XPS, iPad Pro, Surface, and supports Windows, macOS, Linux, Chrome OS, and iOS. Works with USB-C and Thunderbolt 3/4/5 devices. *Note: Does not support Android devices.*

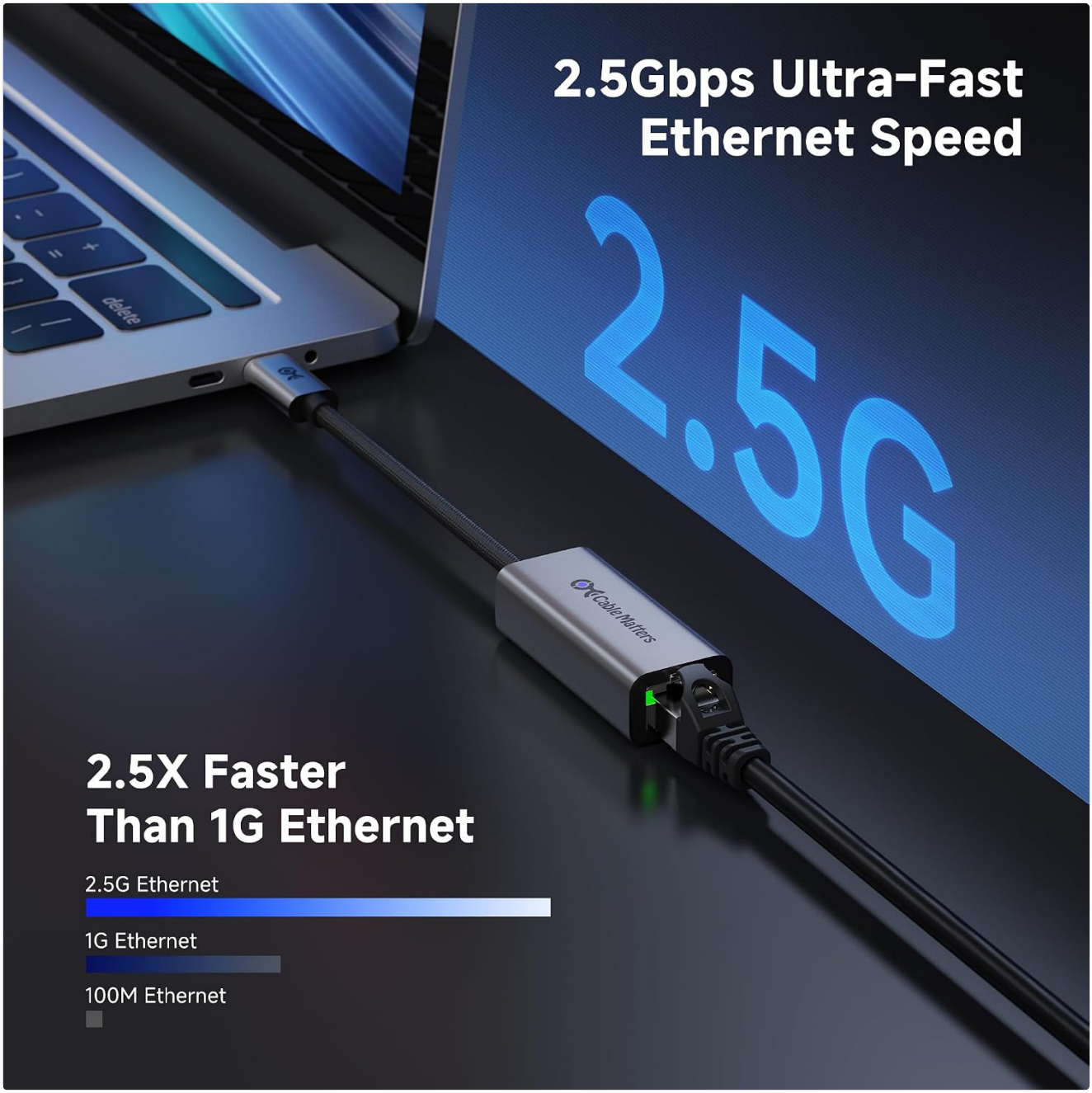


Image 2.1: A laptop connected to the 2.5Gbps Ethernet adapter, illustrating the significant speed increase compared to 1G and 100M Ethernet. The screen displays "2.5G" prominently, emphasizing the ultra-fast speed capability.



Image 2.2: Detailed view of the adapter's construction, highlighting its aluminum metal housing, braided pigtail cable, and the blue LED indicator for power, demonstrating its durable and functional design.



Image 2.3: An illustration showing the wide compatibility of the adapter with various USB-C devices and operating systems, including MacBook, Windows laptops, phones, tablets, Windows, macOS, Linux, ChromeOS, and iOS. Android is explicitly marked as not supported.

3. Package Contents

The package typically includes:

- 1x Cable Matters USB C to 2.5Gb Ethernet Adapter (Model: 201485)

4. Setup Instructions

The Cable Matters USB C to 2.5Gb Ethernet Adapter is designed for plug-and-play operation, requiring minimal setup.

1. **Connect to Device:** Insert the USB-C connector of the adapter into an available USB-C or Thunderbolt port on your computer, laptop, tablet, or other compatible device.

2. **Connect Ethernet Cable:** Connect a standard RJ45 Ethernet cable from your router, modem, or network switch to the RJ45 port on the adapter.
3. **Verify Connection:** The adapter's LED indicator should illuminate, indicating a successful connection. Your operating system should automatically detect the new network adapter and establish a connection.

No additional drivers are typically required for Windows, macOS, Linux, Chrome OS, or iOS. If prompted, allow your operating system to install any necessary built-in drivers.



Image 4.1: A tablet connected to the 2.5Gbps Ethernet adapter, demonstrating the simple plug-and-play setup. The adapter is connected to the tablet's USB-C port and an Ethernet cable, ready for use without complex installation.

5. Operating Instructions

Once connected, the adapter functions as a standard wired network interface. You can verify its operation and network speed through your device's network settings.

5.1 Verifying Network Connection

- **Windows:** Go to "Network & Internet settings" > "Ethernet" > "Change adapter options". Locate the new

Ethernet adapter, right-click, and select "Status" to view connection speed and activity.

- **macOS:** Go to "System Settings" (or "System Preferences") > "Network". Select the USB 2.5GbE LAN adapter to see its status and IP address.
- **Linux:** Use network management tools or command-line utilities like `ip a` or `ifconfig` to check the status of the new Ethernet interface.

5.2 Achieving Optimal Speed

To achieve the full 2.5Gbps speed, ensure the following:

- Your router or network switch supports 2.5Gbps or higher Ethernet speeds.
- You are using a Cat5e or Cat6 Ethernet cable (Cat6 is recommended for optimal performance over longer distances).
- Your internet service provider (ISP) plan supports speeds of 2.5Gbps or higher.
- The USB-C or Thunderbolt port on your device supports USB 3.0 (or higher) for sufficient bandwidth.

6. Maintenance

The Cable Matters USB C to 2.5Gb Ethernet Adapter requires minimal maintenance to ensure longevity and optimal performance.

- **Cleaning:** Use a soft, dry cloth to wipe the adapter's exterior. Avoid using liquid cleaners or solvents.
- **Storage:** Store the adapter in a cool, dry place when not in use. Avoid extreme temperatures and direct sunlight.
- **Handling:** Do not bend or twist the cable excessively. Avoid pulling the adapter by its cable; always grasp the connector when plugging or unplugging.

7. Troubleshooting

7.1 No Network Connection

- **Check Connections:** Ensure both the USB-C connector and the Ethernet cable are securely plugged into their respective ports.
- **Verify LED Indicator:** Check if the LED indicator on the adapter is illuminated. If not, try a different USB-C port or device.
- **Test Ethernet Cable:** Try a different Ethernet cable to rule out a faulty cable.
- **Restart Devices:** Restart your computer/device and your network router/modem.
- **Driver Check:** Although plug-and-play, ensure your operating system's network drivers are up to date.

7.2 Slow Network Speed

- **Check Network Infrastructure:** Confirm your router/switch and Ethernet cables (Cat5e/Cat6) support 2.5Gbps speeds.
- **ISP Speed:** Verify your internet service plan supports the desired speeds.
- **USB Port Speed:** Ensure the USB-C port on your device is a USB 3.0 (or higher) port, as older USB 2.0 ports have insufficient bandwidth for 2.5Gbps.
- **Interference:** Minimize other network traffic or applications consuming bandwidth.

7.3 Adapter Not Recognized

- **Try Another Port/Device:** Test the adapter on a different USB-C port or another compatible device to

determine if the issue is with the adapter or the original port/device.

- **Operating System Compatibility:** Confirm your operating system is listed as compatible (Windows, macOS, Linux, Chrome OS, iOS). Note that Android devices are not supported.

8. Specifications

Brand	Cable Matters
Model Number	201485
Hardware Interface	Ethernet, USB-C
Data Link Protocol	Ethernet
Data Transfer Rate	2500 Megabits Per Second (2.5Gbps)
Compatible Devices	Desktop, Game Console, Headphone, Laptop, Smart TV (with USB-C/Thunderbolt port)
Operating System Compatibility	Windows, macOS, Linux, Chrome OS, iOS (Android not supported)
Connector Type	USB-C (Male), RJ45 (Female)
Item Weight	1.06 ounces (0.03 Kilograms)
Package Dimensions	4.13 x 2.76 x 0.75 inches
UPC	810115187073

9. Warranty and Support

Cable Matters products are backed by a limited warranty. For specific warranty details, product support, or technical assistance, please visit the official Cable Matters website or contact their customer service directly.
Online Support: www.cablematters.com/support
Please have your product model number (201485) and purchase information ready when contacting support.

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