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› [j5create USB-C to 2.5G Ethernet Adapter \(JCE145\) Instruction Manual](#)

j5create JCE145

j5create USB-C to 2.5G Ethernet Adapter

MODEL: JCE145

Introduction

The j5create USB-C to 2.5G Ethernet Adapter (JCE145) is designed to provide a high-speed wired network connection for your USB-C enabled devices. This adapter allows you to connect to an Ethernet network at speeds up to 2.5 Gigabits per second, offering a stable and secure alternative to wireless connections. It is a plug-and-play device, simplifying installation and use across various operating systems.

Key Features:

- USB 3.0 plug-and-play functionality, backward compatible with USB 2.0/1.1.
- Supports 10M/100M/1G/2.5 Gbps Ethernet performance via an RJ-45 connector.
- Lightweight and portable design.
- Equipped with Activity and Link LED indicators for status monitoring.
- Compatible with Windows, macOS, Chrome OS, and Linux operating systems.

Package Contents

- 1 x j5create USB-C to 2.5G Ethernet Adapter (JCE145)

Product Overview



Image: The j5create USB-C to 2.5G Ethernet Adapter, featuring a silver-grey body with a white USB-C cable and connector, and an RJ45 Ethernet port with green and yellow LED indicators.

The JCE145 adapter features a compact design with a USB-C connector on one end and an RJ45 Ethernet port on the other. The RJ45 port includes two LED indicators: a green LED for link status and a yellow LED for activity status. These indicators provide visual feedback on the network connection and data transfer.

Setup

- 1. Connect the Adapter:** Plug the USB-C connector of the JCE145 adapter into an available USB-C or Thunderbolt 3/4 port on your laptop, tablet, or other compatible device.



Image: The j5create USB-C to 2.5G Ethernet Adapter connected to a laptop's USB-C port, with an Ethernet cable plugged into the adapter. Text indicates 2.5X faster wired network access compared to 1000 Mbps.

2. **Connect to Network:** Insert a standard RJ45 Ethernet cable from your router, modem, or network switch into the RJ45 port on the JCE145 adapter.
3. **Driver Installation:** The JCE145 is designed for plug-and-play operation. For Windows 10, Chrome OS, and macOS 10.6 and later, no additional driver installation is typically required. The operating system should automatically detect and install the necessary drivers.

Plug and Play

No driver needed for Windows 10, Chrome OS, or macOS 10.6 and later



Image: A laptop with the j5create USB-C to 2.5G Ethernet Adapter connected, illustrating its plug-and-play feature.

Text states: "Plug and Play. No driver needed for Windows 10, Chrome OS, or macOS 10.6 and later."

4. **Verify Connection:** Once connected, observe the LED indicators on the RJ45 port. The green LED should illuminate to indicate a link, and the yellow LED should flash to indicate network activity.



LED Activity Indicator

Image: A close-up view of the RJ45 port on the j5create USB-C to 2.5G Ethernet Adapter, showing the green and yellow LED indicators illuminated. Text labels it as "LED Activity Indicator."

5. **Universal Compatibility:** The adapter is compatible with a wide range of devices including laptops, MacBooks, Chromebooks, and iPad Pro models that feature a USB-C port.

Work Efficiently with Faster Network



Image: The j5create USB-C to 2.5G Ethernet Adapter shown alongside icons representing various compatible devices: Laptop, MacBook, Chromebook, and iPad Pro. Text highlights "Universal Compatibility."

Operating

Once the adapter is successfully connected and recognized by your device, it will function as a standard wired network interface. Your operating system's network settings will display the new Ethernet connection. You can then access the internet or local network resources through this connection.

- **Link LED (Green):** A solid green light indicates a successful physical connection to the network.
- **Activity LED (Yellow):** A flashing yellow light indicates data transmission activity over the network.

Universal Compatibility

USB-C



Laptop



Macbook



Chromebook



iPad Pro



Image: A person smiling and working on a laptop, which is connected to the j5create USB-C to 2.5G Ethernet Adapter and an Ethernet cable. Text states: "Work Efficiently with Faster Network."

Maintenance

- Keep the adapter clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the adapter to extreme temperatures, humidity, or direct sunlight.
- Do not attempt to disassemble or repair the adapter yourself. Refer to qualified service personnel for any repairs.
- Store the adapter in a safe place when not in use to prevent physical damage.

Troubleshooting

Problem	Possible Solution
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Problem	Possible Solution
No network connection / Adapter not recognized.	<p>Ensure the USB-C connector is fully inserted into your device's port.</p> <p>Try connecting the adapter to a different USB-C port on your device.</p> <p>Verify that the Ethernet cable is securely connected to both the adapter and your network device (router/modem).</p> <p>Check your device's network settings to ensure the Ethernet adapter is enabled.</p> <p>Restart your computer/device.</p> <p>Ensure your operating system is up to date.</p>
Slow network speed.	<p>Confirm that your router/modem and Ethernet cable support 2.5 Gigabit speeds.</p> <p>Ensure there are no other bandwidth-intensive activities occurring on your network.</p> <p>Test with a different Ethernet cable.</p> <p>Check for any driver updates for the adapter (though usually not required for plug-and-play).</p>
LED indicators are off.	<p>Ensure the adapter is properly connected to your device and receiving power.</p> <p>Verify the Ethernet cable is connected and the network device (router/switch) is powered on.</p>

Specifications

Model Number	JCE145
Hardware Interface	USB Type-C, RJ45 Ethernet
Data Link Protocol	Ethernet, Gigabit Ethernet, USB
Data Transfer Rate	2.5 Gigabits Per Second (2.5G)
Compatible Operating Systems	Windows, macOS, Chrome OS, Linux
Compatible Devices	Laptops, Tablets with USB-C/Thunderbolt ports
Product Dimensions	2.68 x 0.57 x 0.91 inches (6.8 x 1.45 x 2.3 cm)
Item Weight	2.08 ounces (0.06 Kilograms)
UPC	847626004872

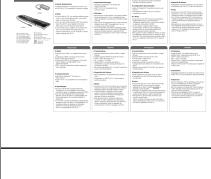
Warranty and Support

This j5create product is manufactured with quality and reliability in mind. For specific warranty information, please refer to the warranty card included with your purchase or visit the official j5create website. For

technical support, driver downloads, or further assistance, please visit the j5create support page or contact their customer service directly.

Manufacturer: j5create

Related Documents - JCE145

	<p><u>j5create USB Ethernet Adapter Quick Installation Guide</u></p> <p>This guide provides instructions for installing j5create USB 3.0 and USB Type-C Gigabit Ethernet Adapters on Windows and Mac operating systems. It covers driver installation, system requirements, and limited warranty information.</p>
	<p><u>j5create JCD391 4K 60Hz USB-C PD Multi-Port Adapter</u></p> <p>The j5create JCD391 Elite USB-C PD Multi-Port Adapter offers expanded connectivity for your devices, featuring Gigabit Ethernet, 4K 60Hz video output, USB Power Delivery up to 86W, and two USB-A 5Gbps ports. Certified for Chromebook compatibility, it provides a plug-and-play solution for enhanced productivity.</p>
	<p><u>j5create USB-C Adapters: JCA122 Audio & JCA152 HDMI - Quick Installation Guide</u></p> <p>Quick installation guide for j5create USB-C to 3.5mm Audio Adapter (JCA122) and USB-C to 4K HDMI Adapter (JCA152), featuring Power Delivery passthrough, plug-and-play functionality, and system requirements.</p>
	<p><u>j5create USB-C Multi Adapter JCD383/JCD533 Quick Installation Guide</u></p> <p>A quick installation guide for the j5create USB-C Multi Adapter (JCD383) and USB-C 4K HDMI Docking Station with Power Delivery (JCD533). This guide outlines features, system requirements, and important notes for setup and optimal performance.</p>
	<p><u>j5create JCD552 M.2 NVMe USB-C Gen 2 Docking Station for MacBook Pro/Air</u></p> <p>Enhance your MacBook Pro or MacBook Air with the j5create JCD552 docking station. Features an M.2 NVMe SSD slot, dual 4K display support, 10Gbps USB-C and USB-A ports, and 100W Power Delivery.</p>
	<p><u>j5create JCD381 USB-C Dual HDMI Mini Dock: Installation Guide</u></p> <p>This guide provides step-by-step instructions for installing the j5create JCD381 USB-C Dual HDMI Mini Dock on Windows and macOS, detailing system requirements, setup, and warranty information.</p>