

# WAVLINK

see the world

**USB4 10 Gigabit Ethernet Adapter**

**Model: WL-NWU342G**

**@WavlinkOfficial**

**@WavlinkTechSupport**

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# About This Guide

This guide serves as a companion to the Quick Installation Guide for your wired USB product. The Quick Installation Guide provides essential steps for immediate setup, while this document offers detailed explanations of product features and advanced configuration options.

Please note that product functionality may vary slightly depending on your specific model, software version, geographic region, language, and connected devices. Screenshots, parameters, and descriptions in this guide are for illustrative purposes only.

## Conventions

In this guide the following conventions are used :

Convention	Description
<u>Underlined</u>	Underlined words or phrases are hyperlinks. You can click to redirect to a website or a specific section.
<b>Teal</b>	The content and text that needs to be emphasized on the web page is the theme color <b>#1D428A</b> , including menus, items, buttons, etc.
Note:	Critical reminders to prevent operational errors or functionality issues.
Tips:	Best practices or optimization suggestions for enhanced performance.

## More Info

The latest driver, firmware and utilities are available from the Download Center at [WAVLINK SUPPORT](#) .

Included in your product packaging or available digitally via the link above.

If you encounter any issues, please don't hesitate to email [contact@wavlink.com](mailto:contact@wavlink.com) / [techsupport@wavlink.com](mailto:techsupport@wavlink.com) / [postsales@wavlink.com](mailto:postsales@wavlink.com) to provide feedbacks or contact online customer service, thank you !

# Performance Disclaimer

The maximum transfer speeds stated for this product are based on theoretical limits of USB specifications (e.g., USB 2.0/3.0/3.1 Gen 1/Gen 2). Actual performance may vary due to:

Device limitations: Host system performance, driver compatibility, and connected device capabilities.

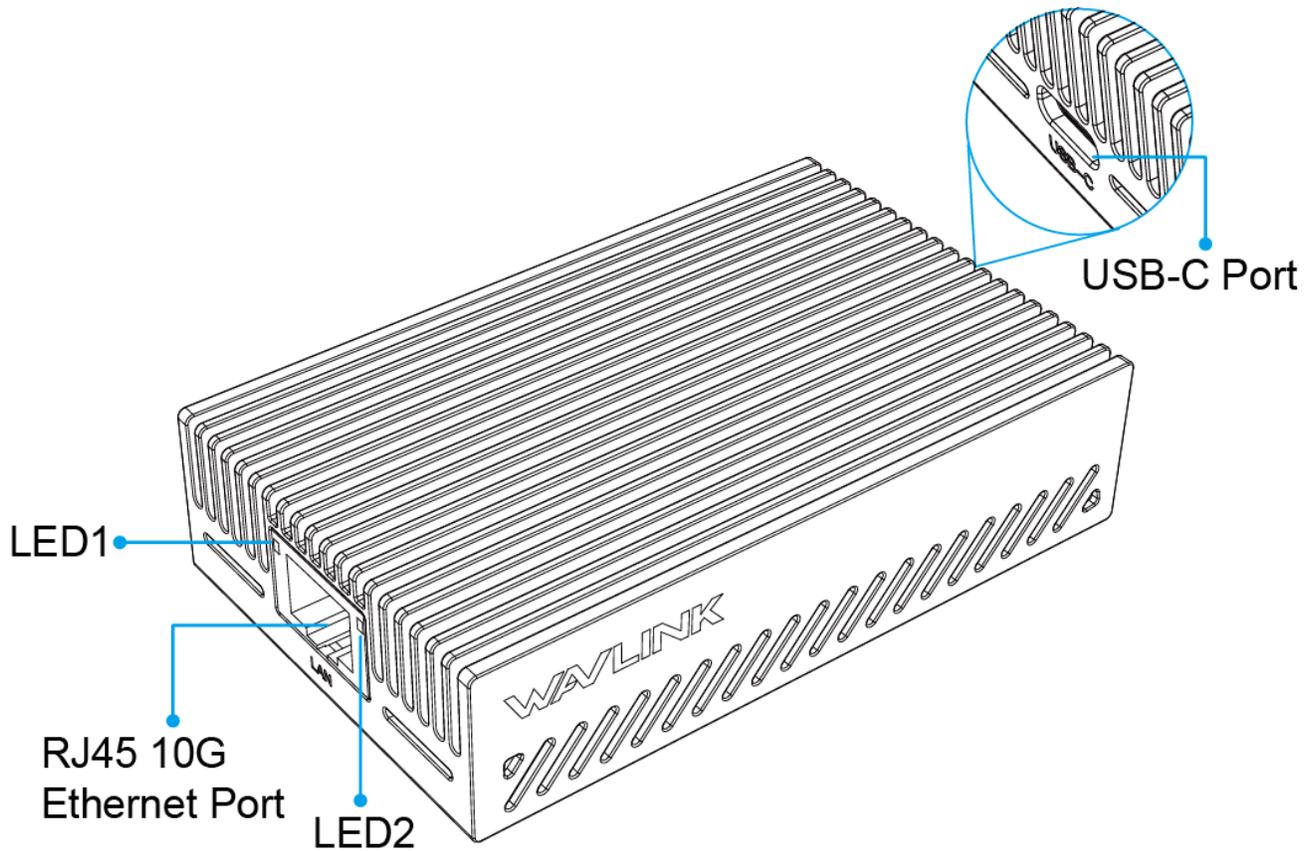
Environmental factors: USB cable quality, length, electromagnetic interference, and port power delivery.

Network/software conditions: Operating system overhead, background processes, and concurrent data transfers.

Wired connections are generally more stable than wireless alternatives, but performance is not guaranteed and depends on the factors listed above.

# Overview

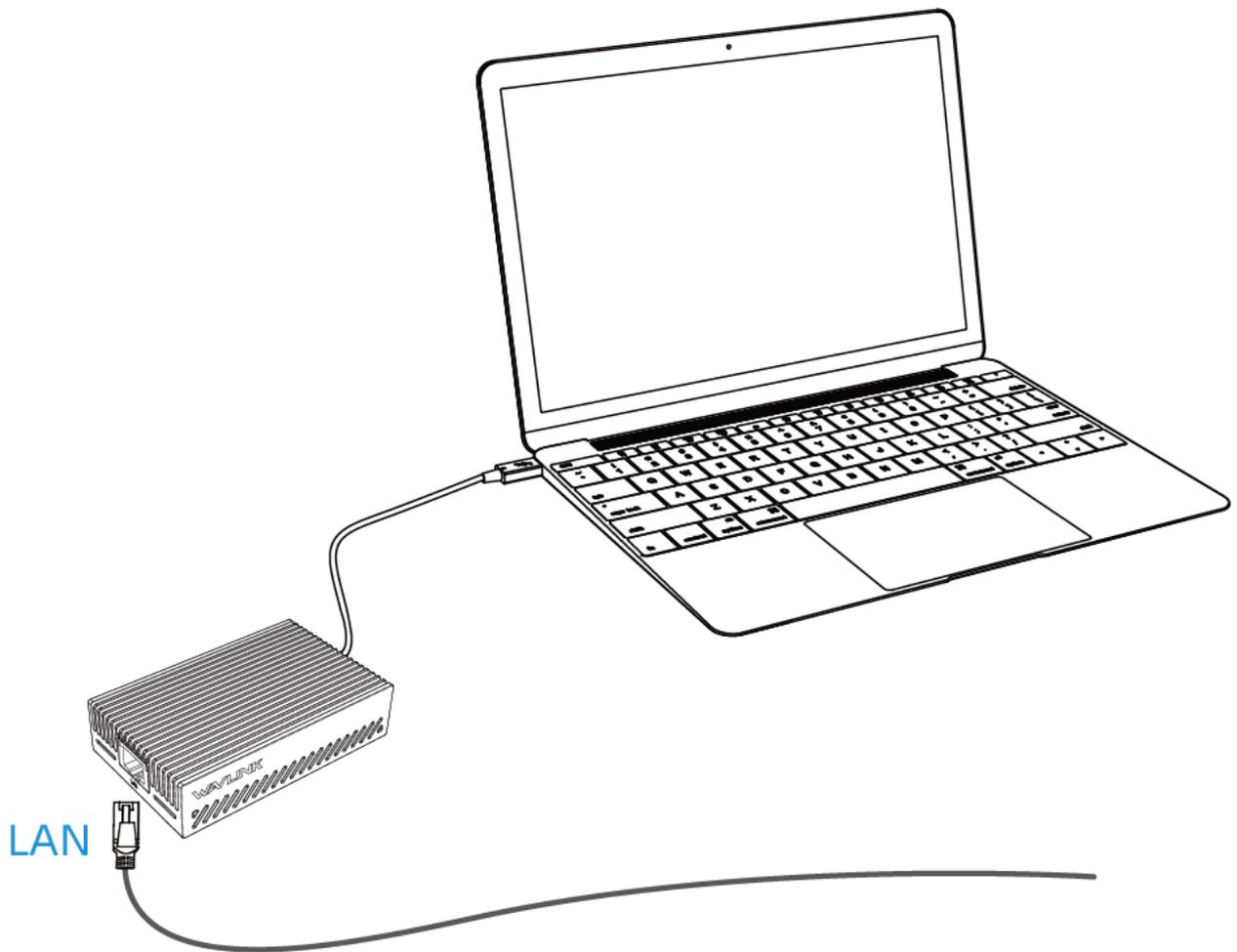
## Overview



LED	Color&State	Description
Link (LED1)	Green, Solid	The connection is active at a 10Gbps speed.
	Orange, Solid	The connection is active at speeds of 5G/2.5G/1G/100M/10M.
ACT(LED2)	Green, Solid	No data.
	Green, Flashing	Data is being transferred.

# How to Use

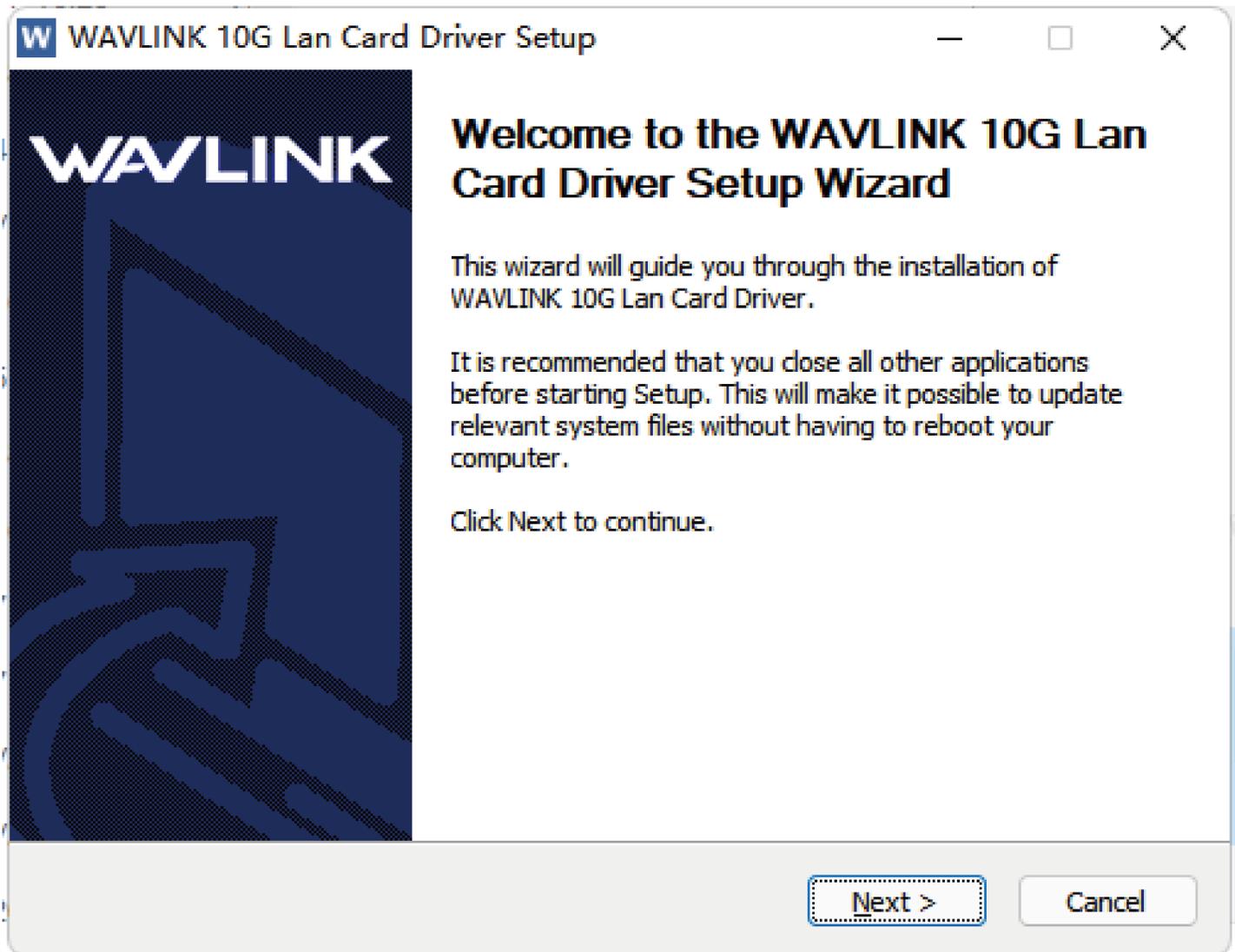
## How to Use



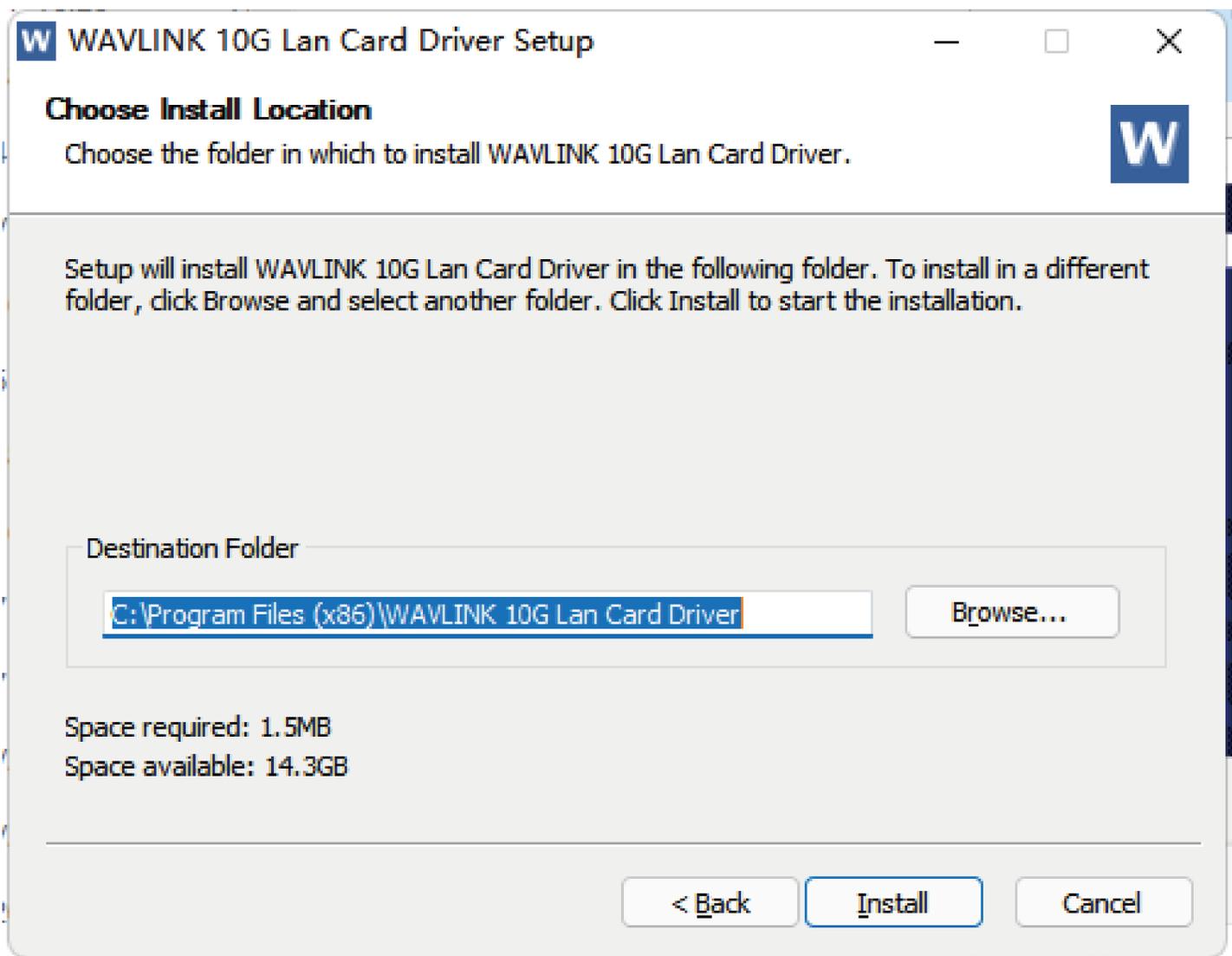
# Driver Installation

This chapter introduces the steps of driver installation.

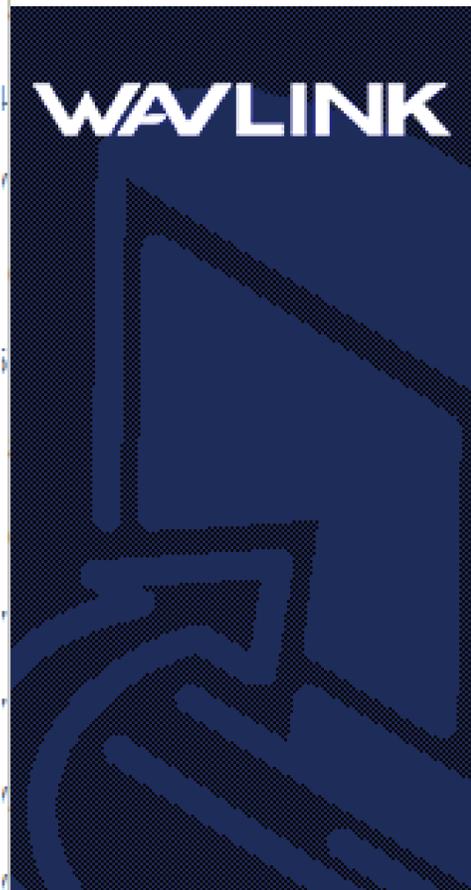
1. Download WAVLINK 10G Lan Card Driver from [www.wavlink.com/en\\_us/WL-NWU342G](http://www.wavlink.com/en_us/WL-NWU342G) or [www.wavlink.com](http://www.wavlink.com) > **SUPPORT** > **Driver** > **PC Peripherals** > **WL-NWU342G**.
2. Extract **WAVLINK 10G Lan Card Driver Installation.exe** from the file, and double click it to install.
3. Click **Next**.



4. Click **Browse** to choose file location, and click **Install**.



5. Click **Finish** to complete the installation.



## Completing the WAVLINK 10G Lan Card Driver Setup Wizard

WAVLINK 10G Lan Card Driver has been installed on your computer.

Click Finish to close this wizard.

< Back

Finish

Cancel

# Connecting to Network

## Connecting to Network

Now you can connect your network device (eg.: switch, router, DSL/cable modem) to the adapter's LAN port via an Ethernet cable.

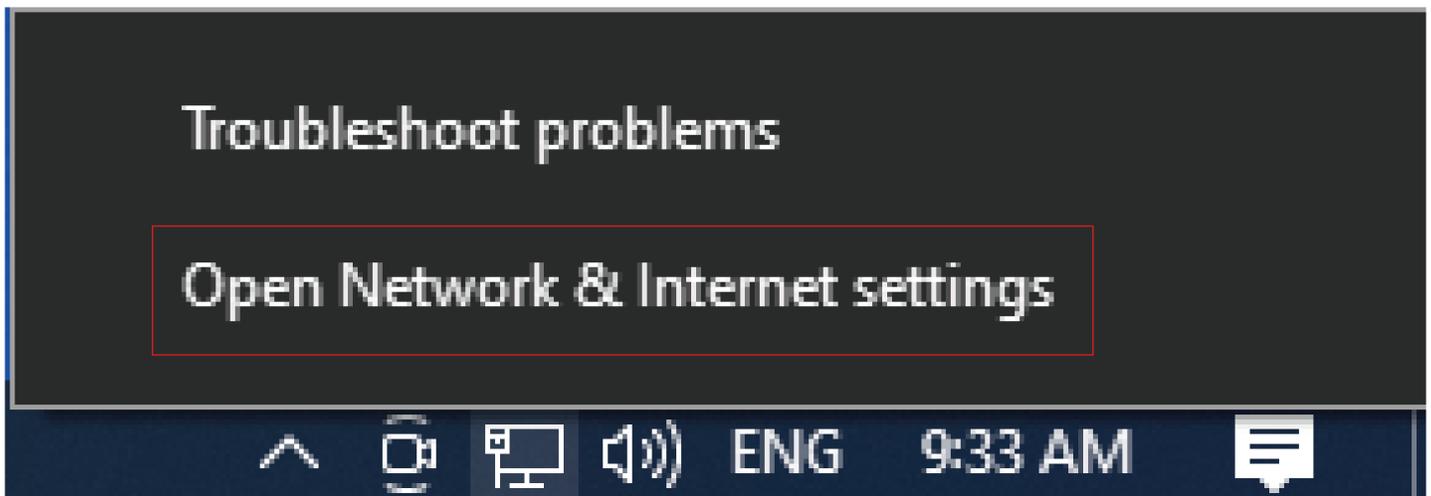
### **(i) NOTES ON ETHERNET CABLES.**

- Sometimes a so-call crossover Ethernet cable is required for connection to certain network equipments. As the adapter's LAN port supports Auto-MDIX feature, it eliminates the need to use crossover cables.
- When the Ethernet adapter is used in the 10G network, it is recommended that you use category 7 Ethernet cable for higher transmission speed.

The adapter's AutoSense feature can automatically detect the network's maximum line speed. To have a 1000/2500/5000/10000Mbps connection, your network device (eg.: switch, router, DSL/cable modem) must also support 1000/2500/5000/10000Mbps.

## On Window 10, you can view the connection speed by the steps below:

1. Right-click the network icon in the system tray and select **Open Network & Internet settings**.



2. Click **Change adapter options**.

The screenshot displays the Windows Settings application, specifically the 'Network & Internet' section. On the left, a sidebar lists various network settings: Home, Find a setting, Status, Wi-Fi, Ethernet, Dial-up, VPN, Airplane mode, Mobile hotspot, and Proxy. The main content area is titled 'Status' and 'Network status'. It shows a diagram of a laptop connected to an Ethernet 2 network, which is connected to the Internet. Below this, a message states 'You're connected to the Internet' and offers options to make the connection metered or change properties. A summary for 'Ethernet 2' shows '1.22 GB' of data usage 'From the last 30 days'. Two buttons, 'Properties' and 'Data usage', are visible. At the bottom, under 'Advanced network settings', the 'Change adapter options' link is highlighted with a red box.

Home

Find a setting

**Network & Internet**

- Status
- Wi-Fi
- Ethernet
- Dial-up
- VPN
- Airplane mode
- Mobile hotspot
- Proxy

## Status

### Network status

Ethernet 2  
Private network

You're connected to the Internet

If you have a limited data plan, you can make this network a metered connection or change other properties.

Ethernet 2 1.22 GB  
From the last 30 days

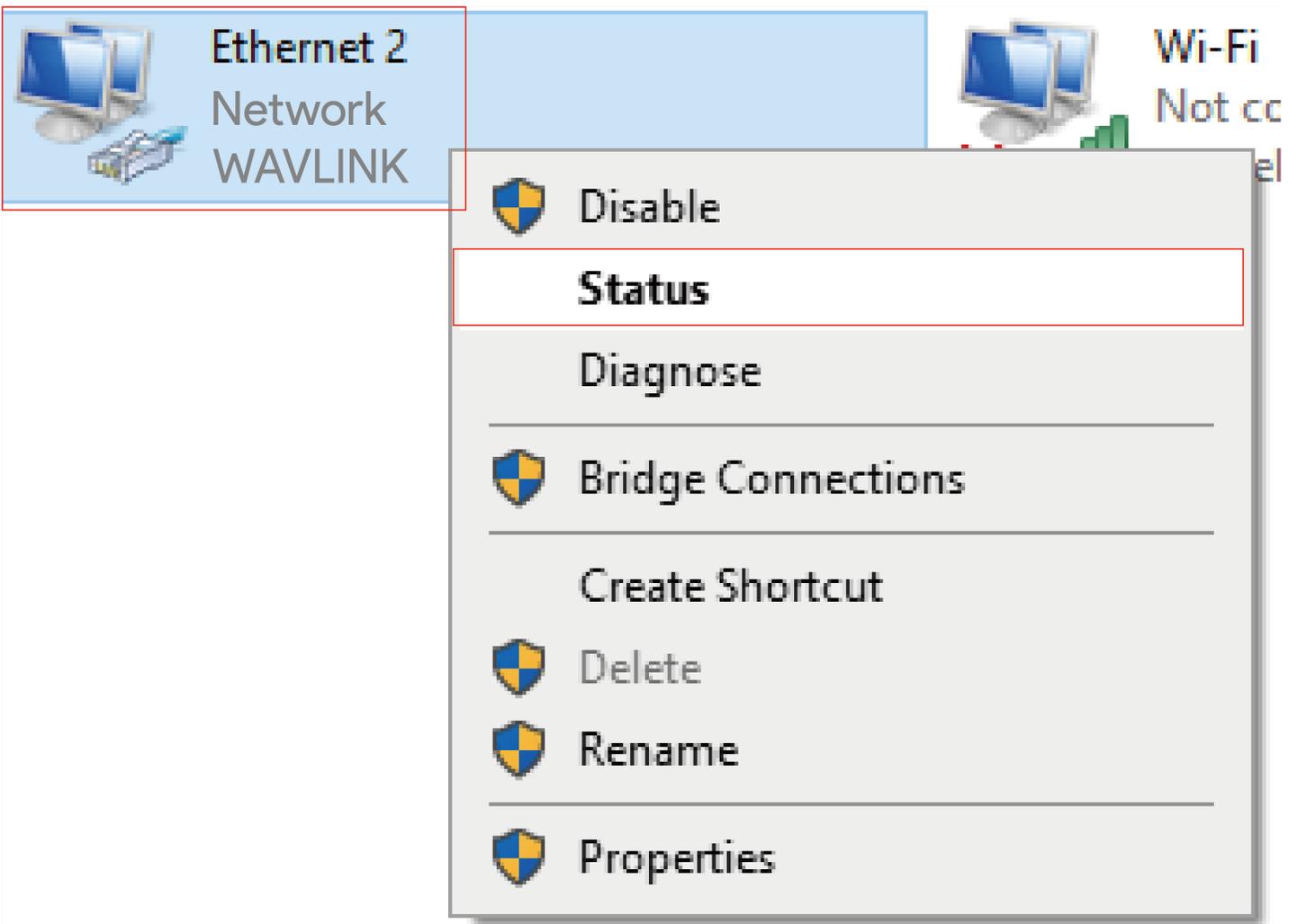
Properties Data usage

Show available networks  
View the connection options around you.

### Advanced network settings

Change adapter options  
View network adapters and change connection settings.

3. Right-click the **Ethernet icon** indicating your network adapter and click **Status**.



4. Current connection speed will be displayed among the connection information.



# Net wrok Status



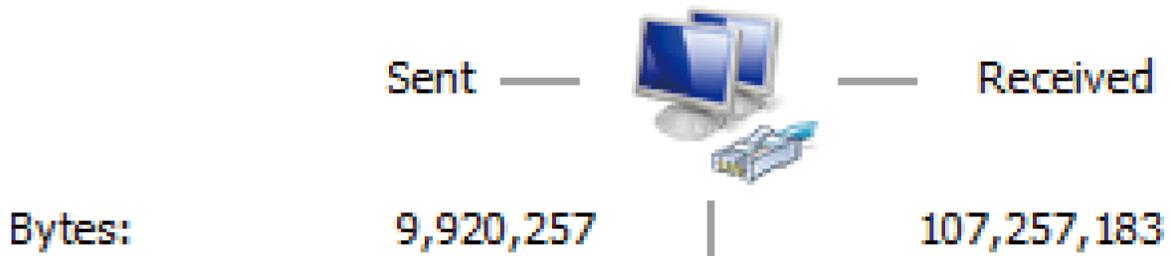
## General

### Connection

IPv4 Connectivity:	Internet
IPv6 Connectivity:	No network access
Media State:	Enabled
Duration:	00:46:02
Speed:	1.0 Gbps

Details...

### Activity



Properties



Disable

Diagnose

Close

# Configuring Network Settings

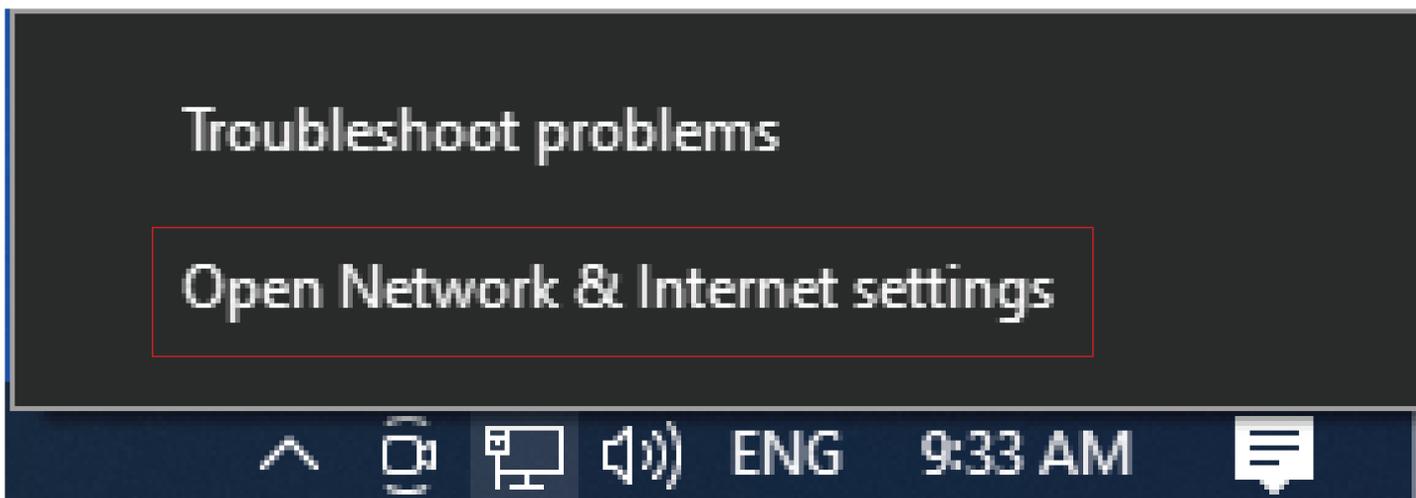
This chapter introduces the steps of configuring network settings.

## Configuring Network Settings

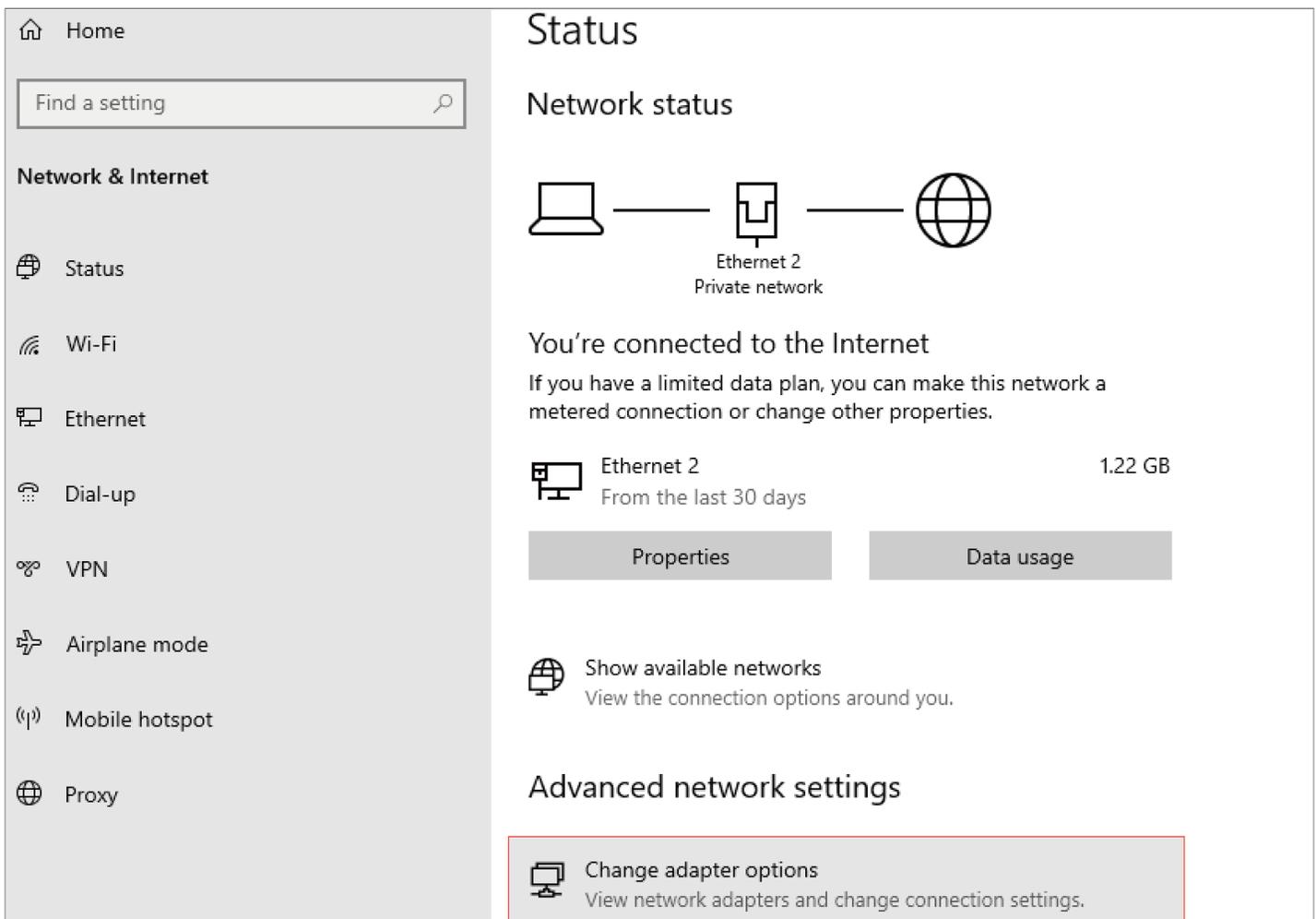
You should configure your Ethernet adapter as required according to your network environment. If you are unsure about the settings, consult with your network administrator for assistance. The following describes how to launch the network settings window for your Ethernet adapter.

To configure network settings for your Ethernet adapter on Windows:

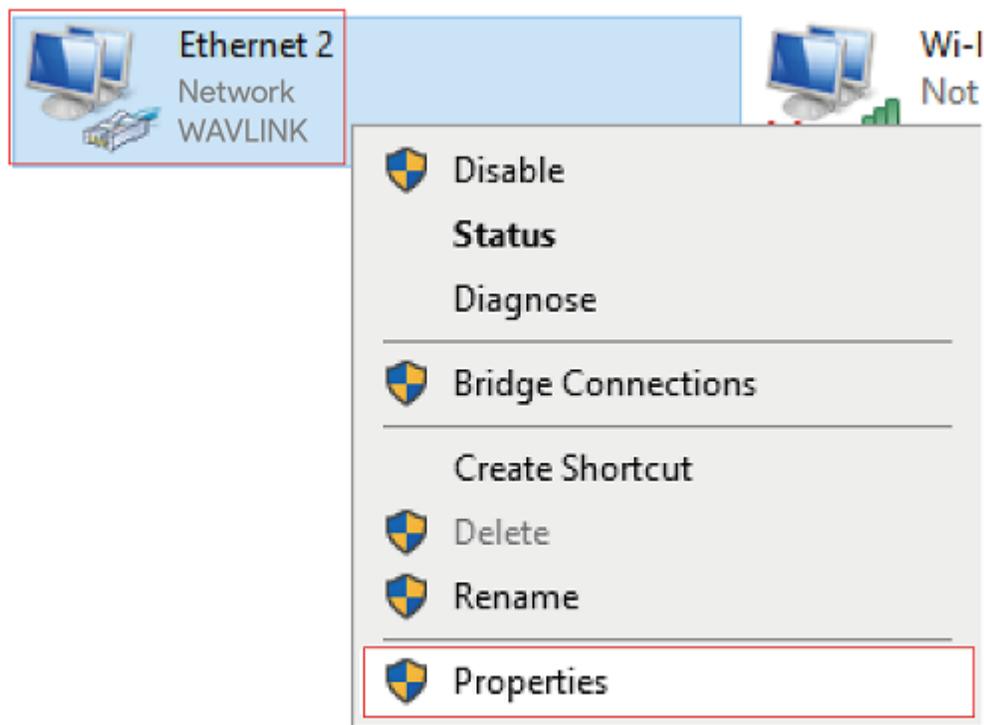
1. Right-click the network icon in the system tray and select **Open Network & Internet settings**.



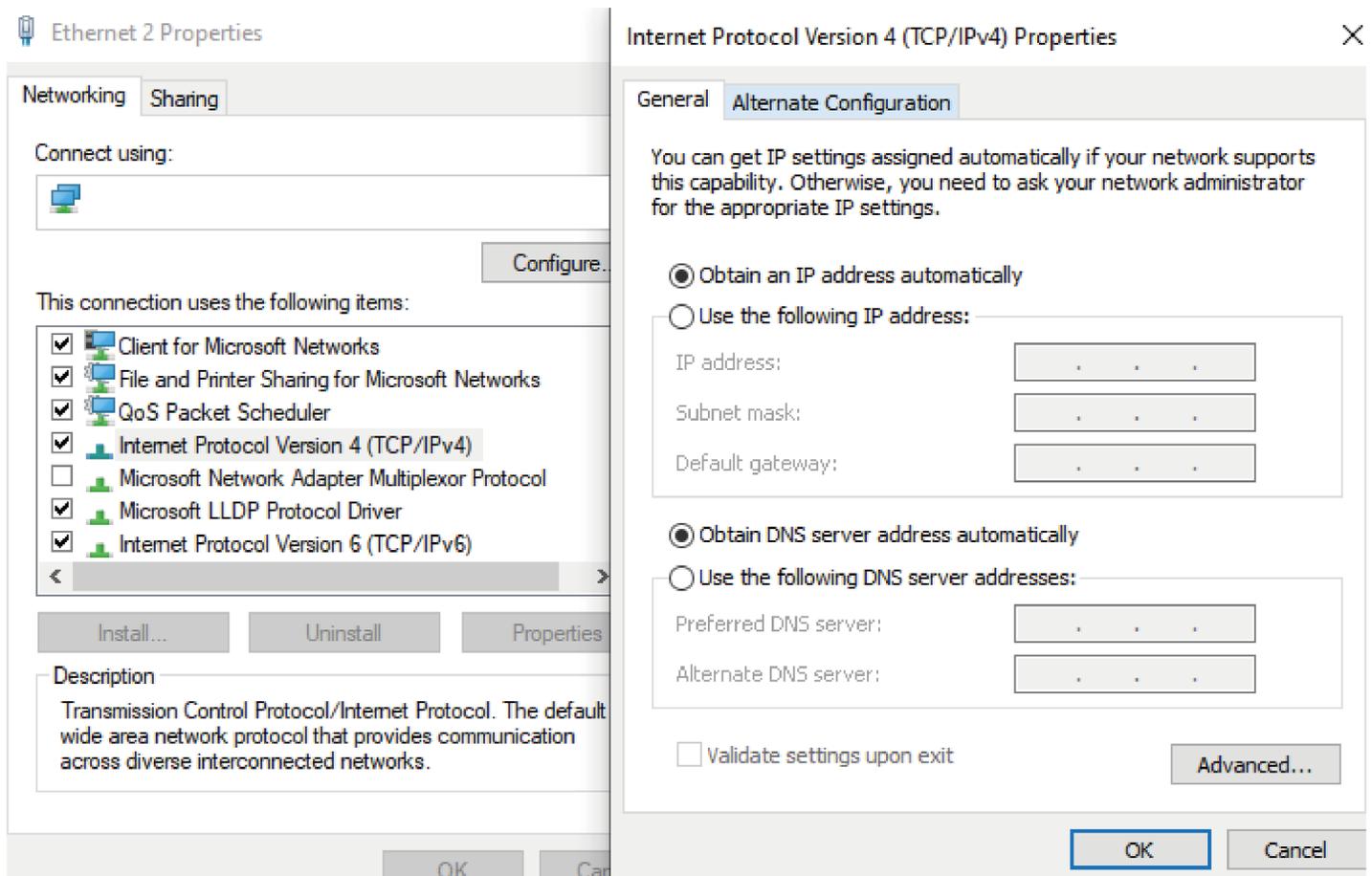
2. Click **Change adapter options**.



3. Right-click the **Ethernet icon** indicating your network adapter and click **Properties**.



4. Then the Ethernet Properties window appears for user to make required settings.



**i NOTE**

Open a browser and test the connection.

# FAQ

This chapter includes FAQ and After Sales.

- [FAQ](#)
- [After Sales](#)

## FAQ

### **Q1. Can this Adapter work on mobile phones?**

- A1. Mobile phones are not supported.

### **Q2. Does the adapter support PXE?**

- A2. The 10 Gigabit Ethernet Adapter supports the UEFI PXE function, relating to the computer's BIOS driver. If it cannot be implemented, try updating the computer's BIOS-related driver or contact the host manufacturer.

### **Q3. Is this adapter compatible with my devices?**

- A3. It works with most USB-C devices (e.g.: MacBooks, Windows/Linux laptops). Verify your USB-C port supports USB4 or Thunderbolt 3/4/5.

### **Q4. Do I need special hardware or cables to achieve 10G speed?**

- A4. Yes. Ensure your router/switch, Ethernet cable (Cat6a/Cat7), and network interface support 10GBase-T. Internet speed depends on your service plan.

### **Q5. Are drivers required?**

- A5. Mac OS includes native drivers. Windows 10/11, Linux requires manual driver installation. Check WAVLINK for specific OS versions or advanced features.

### **Q6. Does it work with 5G/2.5G/1G/100Mbps networks?**

- A6. Yes. It auto-negotiates to lower speeds (5G,2.5G,1G, 100Mbps, 10Mbps) as needed.

# Need help?

We're here for you!



**Online support: wavlink.com**

Available Mon-Fri 8:30 am-5:30pm (UTC+8)



**support@wavlink.com**

Available Mon-Fri 8:30 am-5:30pm (UTC+8)



**+1 8889730883 (US Local)**

Mon-Fri 9:00 am - 10:00 pm (UTC-5)

[www.wavlink.com](http://www.wavlink.com)



**Thank you for purchasing  
WAVLINK product!**