



Windows USB Driver(Q) RNDIS Installation Guide

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About the Document

Revision History

Version	Date	Author	Description
-	2019-12-04	Isaac WANG	Creation of the document
1.0	2019-12-04	Isaac WANG	First official release
1.1	2024-04-30	Bruce LI	<ol style="list-style-type: none">1. Added applicable modules EG21-G, EG21-GL, EG25-G, EG25-GL, EG91 series, EG95 series, EG915Q-NA, EM05 series, EM06 series, EG06 series, EG065K series, EG120K series, EP06 series, AG520R series, AG521R series, AG525R-GL, AG529R series, RG255C series, RG650E series, RG650V series, RG651E-NA and RM255C-GL.2. Deleted the EOL product EC20 R2.0.3. Updated EC20 R2.1, EC21, and EC25 modules to EC20-CE, EC21 series and EC25 series modules.4. Updated the driver name.5. Deleted the content related to reconfiguring the network port protocol.6. Updated the tool of testing driver installation from QNavigator to QCOM (Chapter 2.4).

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1 Introduction

Quectel provides a USB RNDIS driver installation package (*Quectel_Windows_USB_Driver(Q)_RNDIS*), which supports Windows 10 operating system. This document introduces how to install and uninstall the USB RNDIS driver for Quectel modules on the operating system.

1.1. Applicable Modules

Table 1: Applicable Modules

Product Line	Module
LTE Standard	EC20-CE, EC21 Series, EC25 Series, EG21-G, EG21-GL, EG25-G, EG25-GL, EG91 Series, EG95 Series, EG915Q-NA, EM05 Series
LTE-A	EG06 Series, EG060K Series, EG065K Series, EG120K Series, EM06 Series, EP06 Series
Automotive	AG35 Series, AG520R Series, AG521R Series, AG525R-GL, AG529R Series
5G	RG255C Series, RG650E Series, RG650V Series, RG651E-NA, RM255C-GL

2 Installation of USB RNDIS Driver

This chapter describes how to install a USB RNDIS driver for Quectel modules with the provided installation package.

2.1. Preparation

Please complete the following preparations before installation.

Step 1: Obtain the latest installation package from Quectel Technical Support.

Step 2: Connect the device or EVB equipped with the module to the PC through a USB cable.

Step 3: Power on the module.

If you have never installed any Quectel USB driver on your system before, there will be a prompt indicating that the drivers of the new devices need to be updated. Please ignore the prompt and begin to install the USB RNDIS driver according to the procedures in **Chapter 2.2**.

The figure below shows the “Device Manager” interface of the Windows system on which Quectel drivers have never been installed.

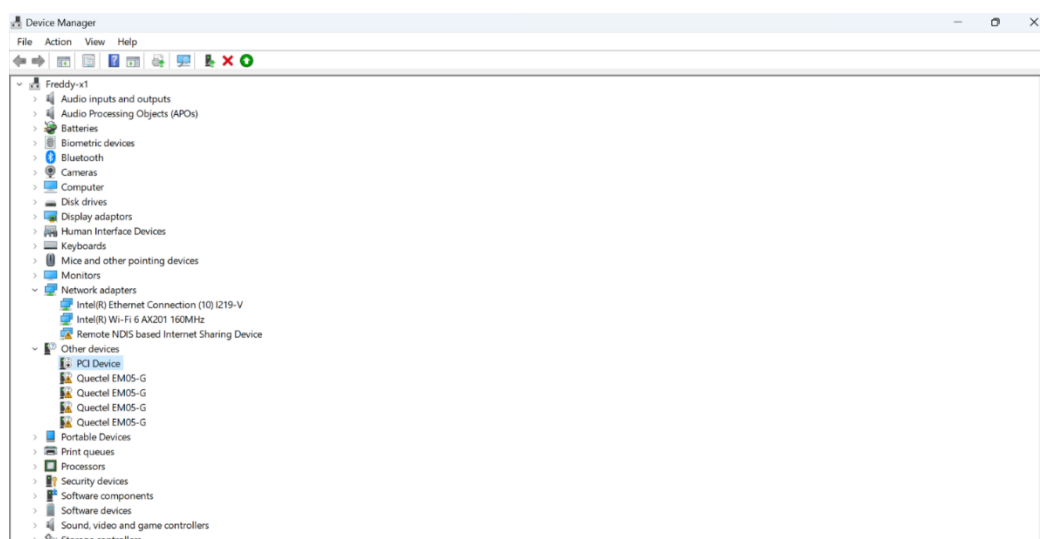


Figure 1: "Device Manager" Interface of Windows System Without Quectel USB Driver Installed

2.2. Installation Procedures

This chapter takes the installation of *Quectel_Windows_USB_Driver(Q)_RNDIS_V1.1* as an example, and the detailed procedures are as below.

Step 1: Check Installation Setting

Double click the *setup.exe* in the installation package to enter the “Preparing to Install” interface.

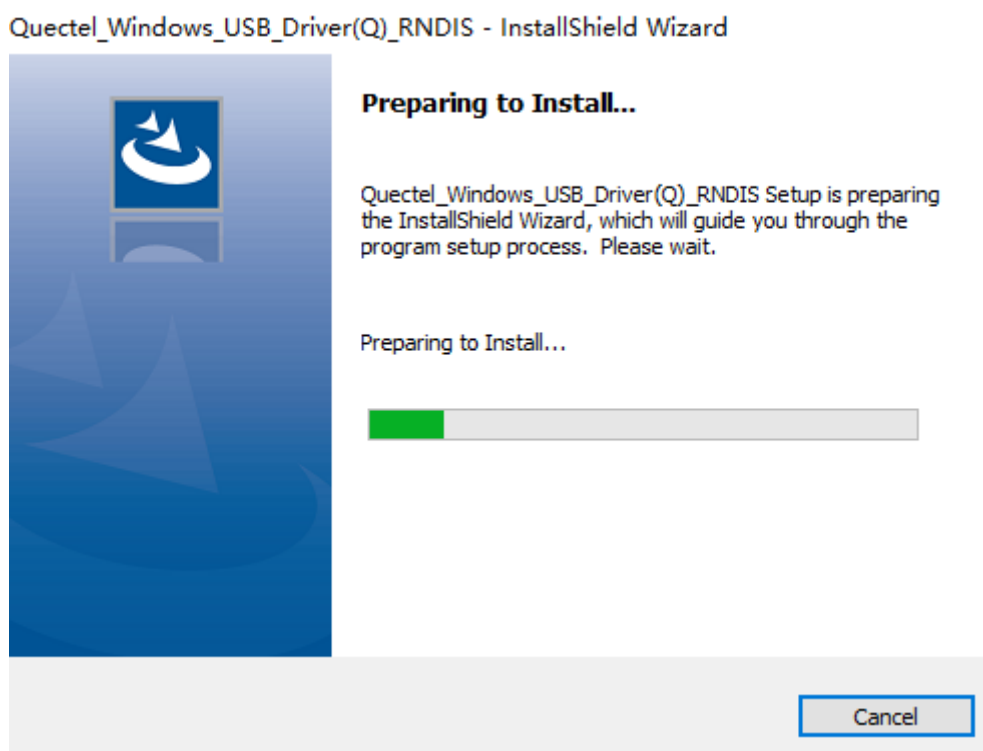


Figure 2: Preparing to Install

After the InstallShield Wizard is ready, the “Choose Destination Location” interface will pop up.

Step 2: Choose Destination Location

If you want to change the location for USB RNDIS driver installation, click “**Browse...**” to enter the "Choose Folder" interface. You can select the destination location and then click “**OK**” to save the configuration. The interface returns to the "Choose Destination Location" interface and you can click “**Next >**” to continue the installation.

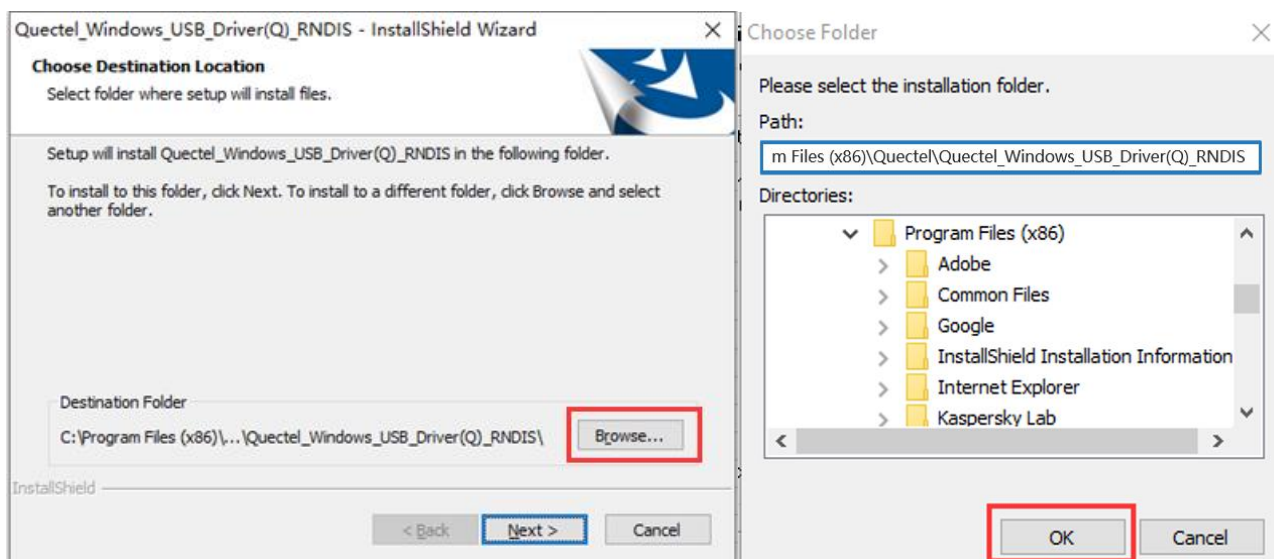


Figure 3: Choose Destination Location

If you choose the default location for USB RNDIS driver installation, you can click "**Next >**" directly to continue the installation.

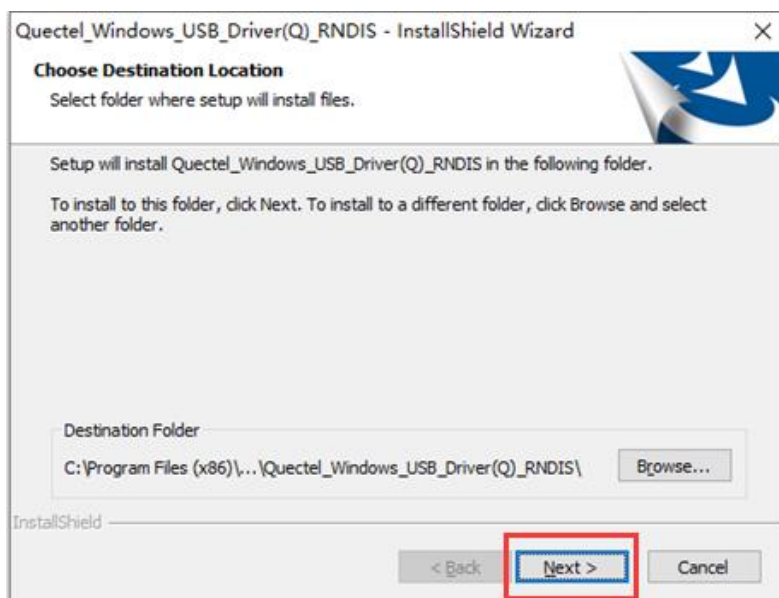


Figure 4: Default Destination Location

Step 3: Copy Driver Files Needed for Installation

When the following interface is displayed, please click "**Next >**" to begin copying files.

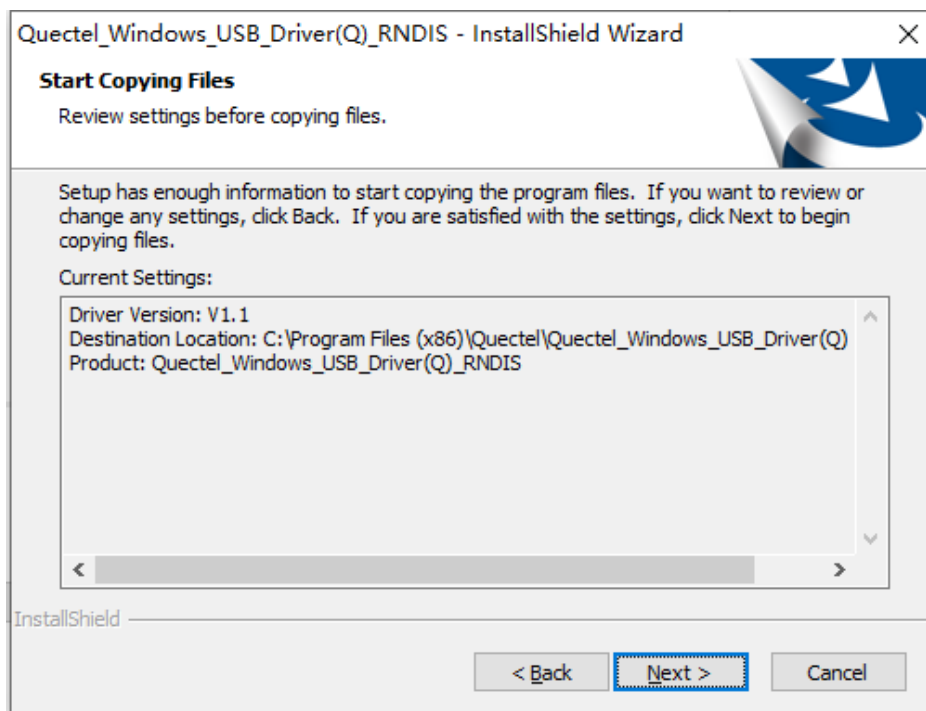


Figure 5: Copy Files

Step 4: Automatic Installation

Driver installation automatically starts after file copying completes. It may take some time to install the USB RNDIS driver, please wait patiently for the process to complete.

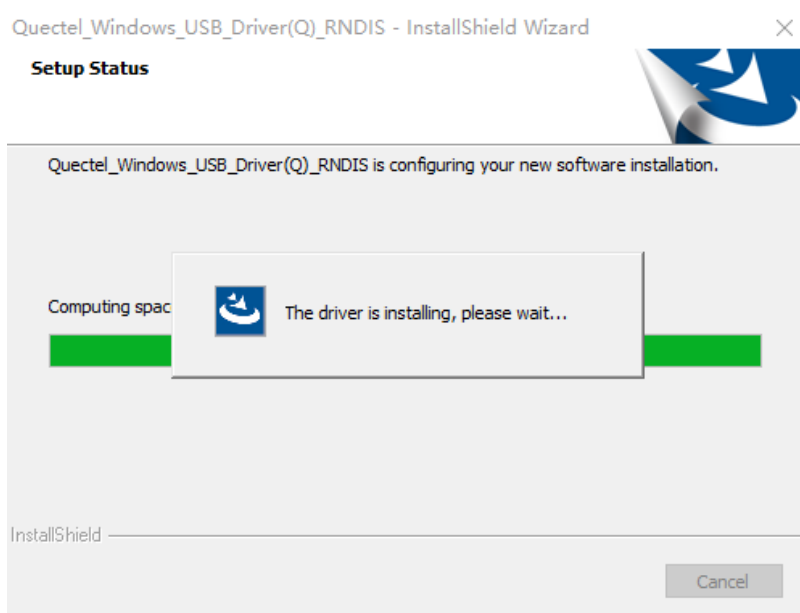


Figure 6: Automatic Installation

Step 5: Complete Installation

When the following interface is displayed, it indicates a successful driver installation. Click **"Finish"** to complete the installation.

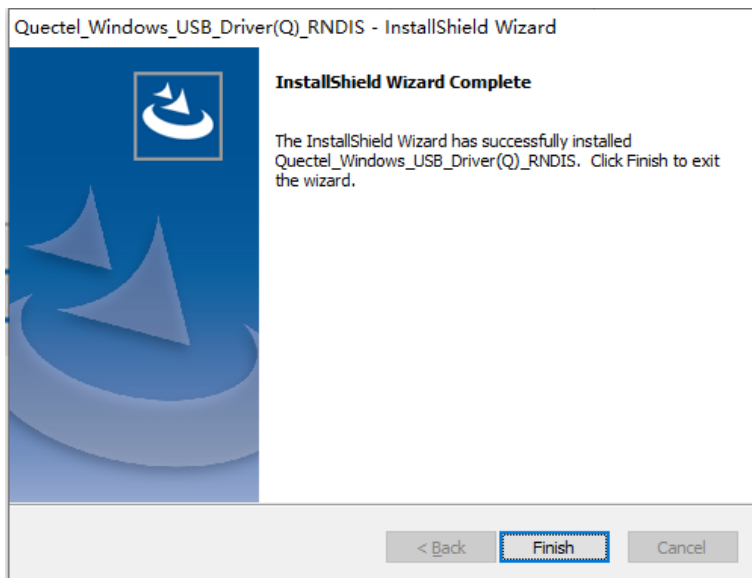


Figure 7: Complete Installation

2.3. Check Installation Result

You can check the installation result through "Computer Management" → "Device Manager". The "Device Manager" interface after a successful driver installation is shown below.

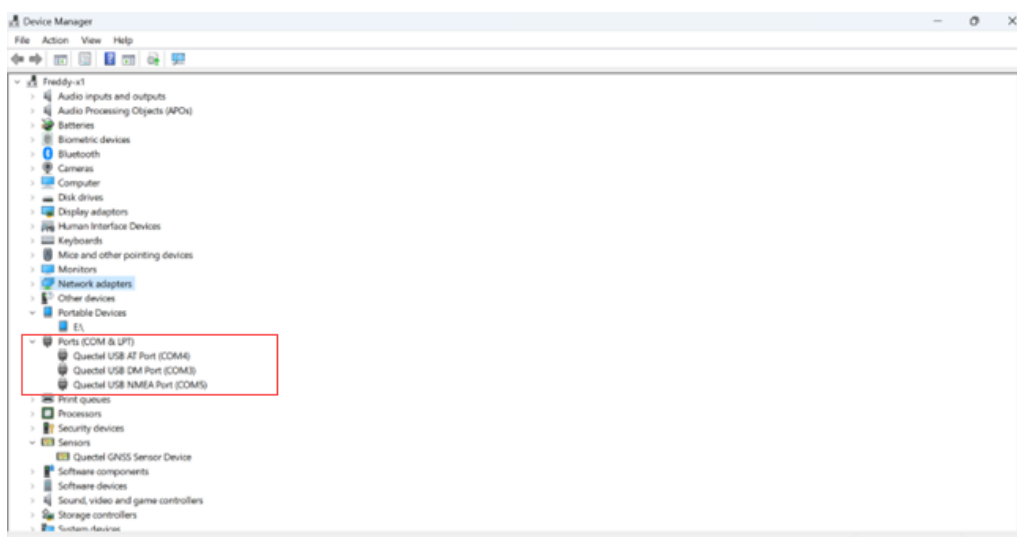


Figure 8: "Device Manager" Interface with Driver Successfully Installed

2.4. Test

After the USB RNDIS driver has been installed, you can test whether the driver works normally via QCOM. For detailed steps, see [document \[1\]](#). For details of QCOM, contact Quectel Technical Support.

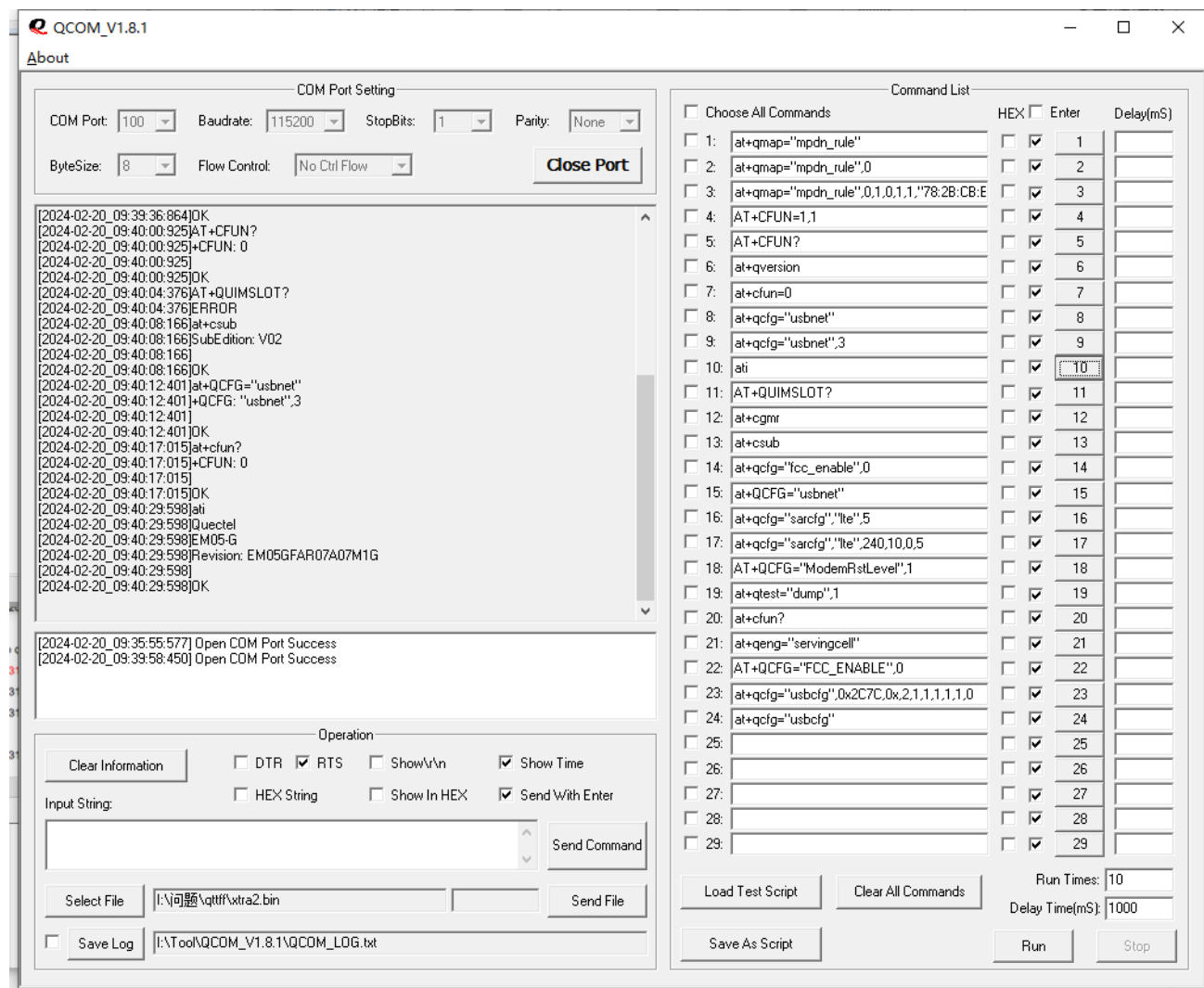


Figure 9: Test Module via QCOM (Taking EG05-G as an Example)

3 Uninstallation of USB RNDIS Driver

The uninstallation can be realized by re-operating the installation package or adding/deleting the program on the "Control Panel". This chapter introduces how to uninstall the USB RNDIS driver by adding/deleting the program on the "Control Panel".

3.1. Uninstallation Procedures

Step 1: Select Driver

Open the "Control Panel", click to enter "Uninstall or change a program" and select the installed RNDIS driver, then click "**Uninstall**", as shown in the figure below.

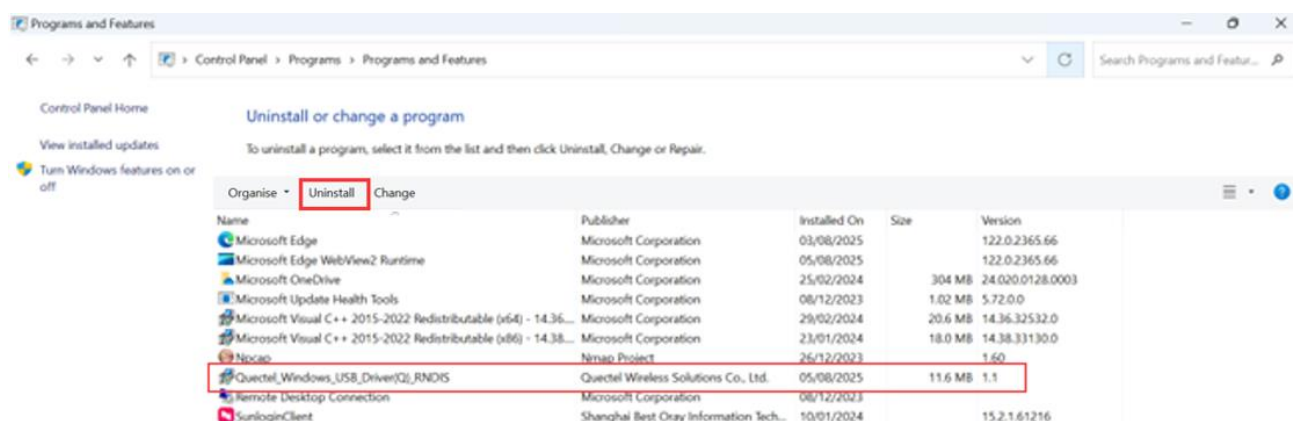


Figure 10: Uninstall USB RNDIS Driver

Step 2: Check Uninstallation Setting

After choosing the installed driver for uninstallation, the system will check the uninstallation setting, as shown in the following figure.

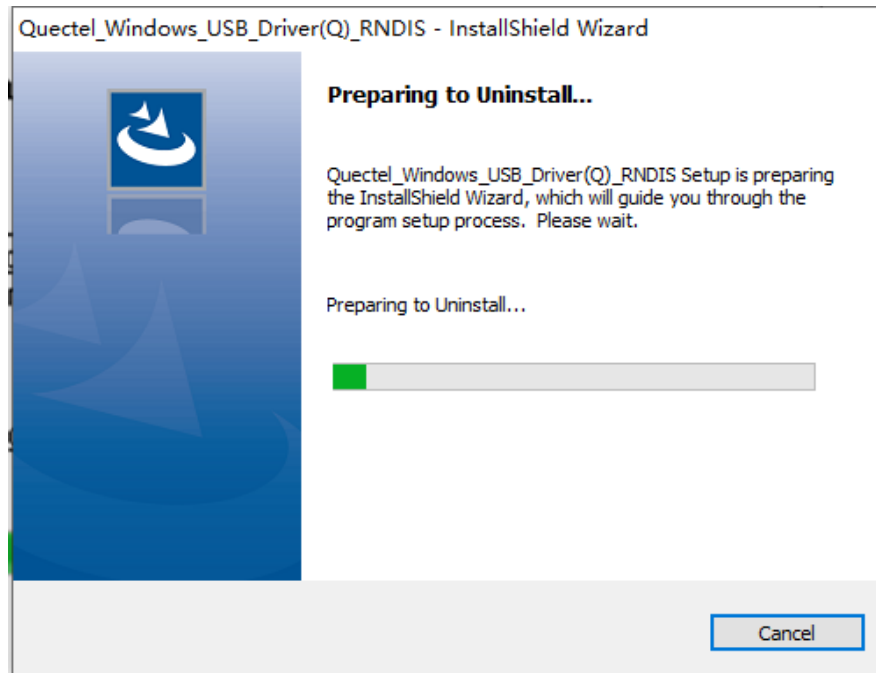


Figure 11: Check Uninstallation Setting

Step 3: Confirm Uninstallation

Click "Yes" to confirm the uninstallation.

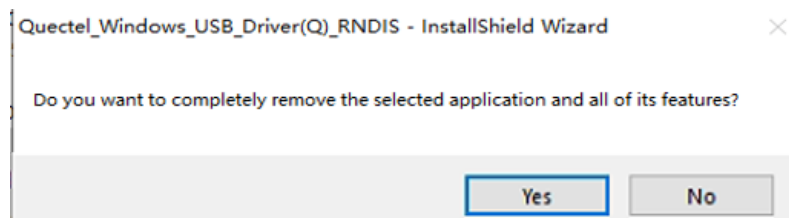


Figure 12: Confirm Uninstallation

Step 4: Automatic Uninstallation

Driver uninstallation automatically starts after you confirm the uninstallation.

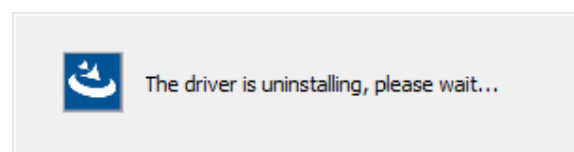


Figure 13: Automatic Uninstallation

The interface below indicates that InstallShield Wizard is removing installation files. It may take some time to uninstall the driver, please wait patiently for the process to complete.

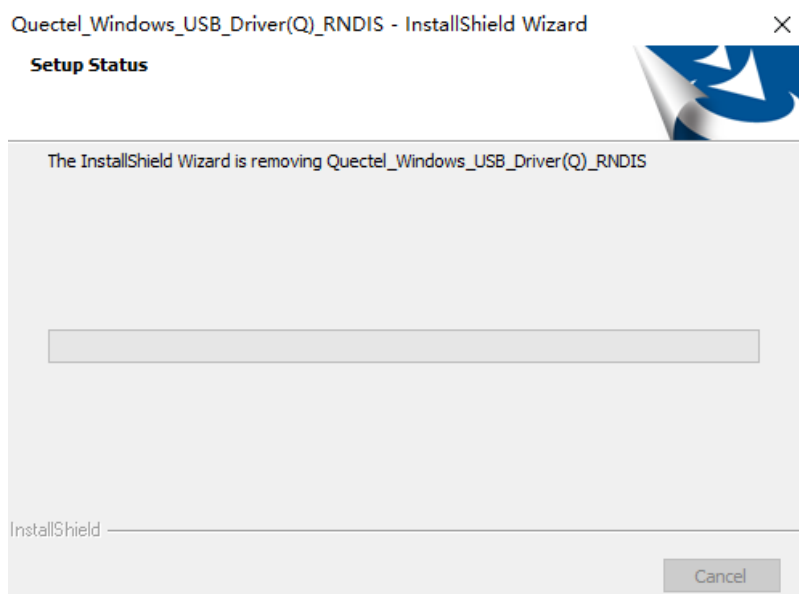


Figure 14: Remove Installation Files

Step 5: Complete Uninstallation

When the following interface is displayed, it indicates the driver has been uninstalled successfully. Click **"Finish"** to complete uninstallation.

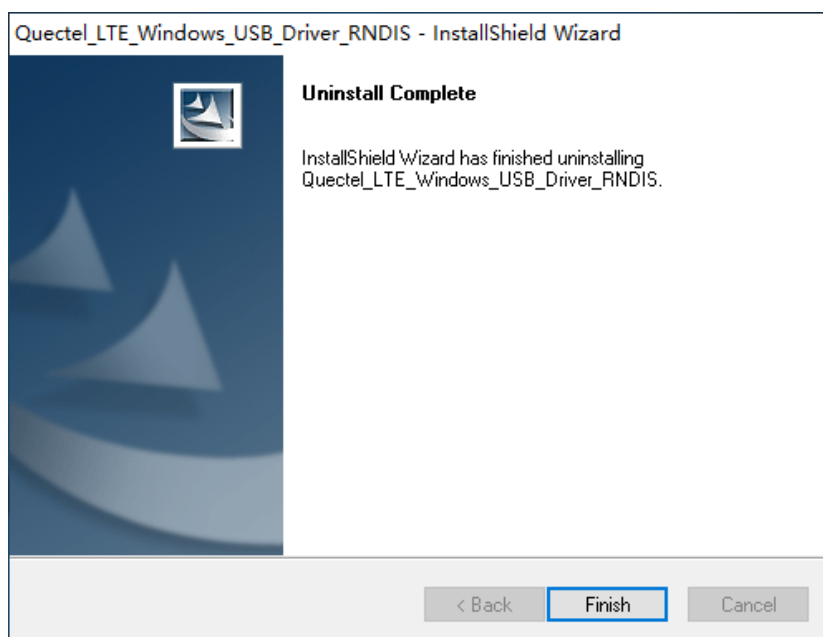


Figure 15: Complete Uninstallation

Step 6: Check Uninstallation Result

After the USB RNDIS driver has been uninstalled successfully, the driver will switch to uninstalled status. You can check whether the driver has been uninstalled successfully or not through "Computer Management" → "Device Manager". The "Device Manager" interface after a successful driver uninstallation is shown below.

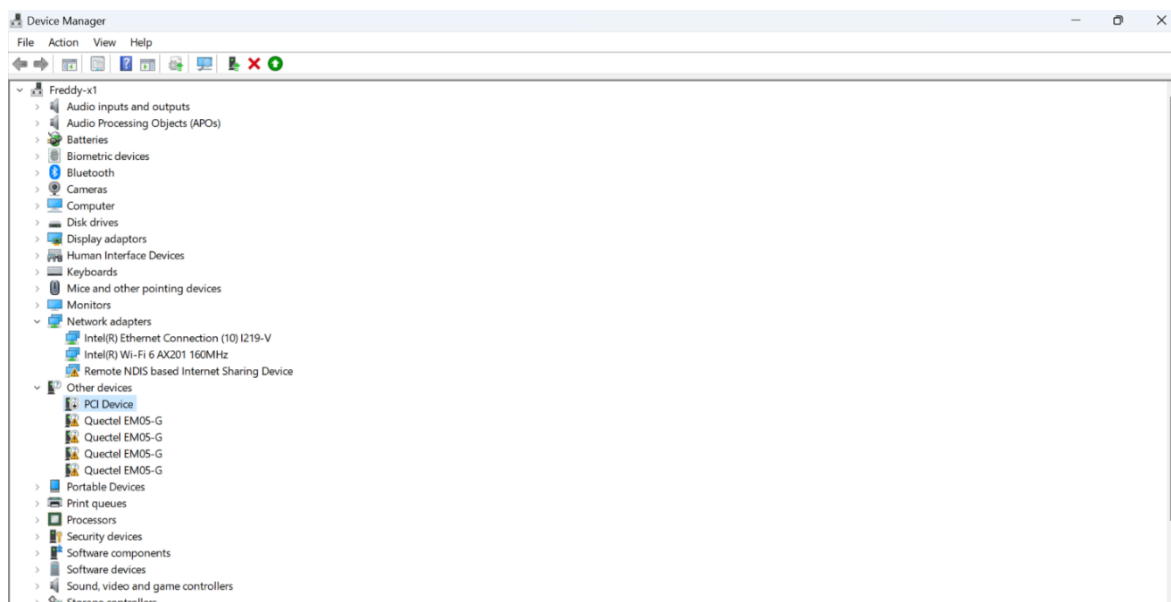


Figure 16: Check USB RNDIS Driver Uninstallation Result

4 Appendix References

Table 2: Related Document

Document Name
[1] Quectel_QCOM_User_Guide

Table 3: Terms and Abbreviations

Abbreviation	Description
5G	5th-Generation
LTE	Long-Term Evolution
LTE-A	LTE-Advanced
RNDIS	Remote Network Driver Interface Specification
PC	Personal Computer
USB	Universal Serial Bus