Quectel Windows USB Driver(Q) NDIS Installation Guide

LTE&5G Module Series

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About the Document

Revision History

| Version	Date	Author	Description
1.0	2017-11-14	Hunter LV/ Joy WANG	Initial
2.0	2018-12-24	Isaac WANG	1. Added the applicable modules EM06, EM12, EG12 of this document. 2. Modified some screenshots of driver installation. (Figure 1, 4, 7, 9, 10, 16)
2.1	2019-07-08	Isaac WANG	1. Added applicable modules EM05, EG18, EM20, BG95, AG35, AG15, AG520R, RG500Q of this document. Please refer to Table 2 for details. 2. Updated all the screenshots of USB driver installation and uninstallation except Figure 8. (Chapter 2 and 3).
2.2	2022-05-10	Bruce LI	1. Updated the driver name. 2. Updated the Windows operating system supported by the provided installation package (Chapter 1). 3. Added applicable modules RG525F-NA, RG500Q series, RG501Q-EU, RG502Q series, RG520F series, RG520N series, RG530F series, RM500Q series, RM502Q-AE, RM505Q-AE, RM510Q-GL, RM520N-GL and RM530N-GL and deleted EC20 R2.0 and EM20 (Chapter 1.1). 4. Updated the test tool from QNavigator to QCOM (Chapter 2.3).

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1 Introduction

This document illustrates how to install and uninstall USB NDIS driver for Quectel LTE and 5G modules on Windows operating systems, with provided installation package.

The installation package (*Quectel_Windows_USB_Driver(Q)_NDIS*) supports Windows 7, 8, 8.1, 10, 11 and XP operating systems. This document introduces the installation procedures of USB NDIS driver on Windows 10 system as an example.

1.1. Applicable Modules

The document is applicable to the following Quectel LTE and 5G modules.

Table 1: Applicable Modules

Module Series		Module
LTE	LTE Standard	EC20‑CE, EC21 Series, EC25 Series, EG91 Series, EG95 Series, EM05 Series
	LTE-A	EG06 Series, EG12 Series, EG18 Series, EM06 Series, EM12-G, EP06 Series
	LPWA	BG95 Series, BG96
	Automotive	AG15, AG35 Series, AG520R Series
5G		RG525F-NA, RG500Q Series, RG501Q-EU, RG502Q Series, RG520F Series, RG520N Series, RG530F Series, RM500Q Series, RM502Q-AE, RM505Q-AE, RM510Q-GL, RM520N-GL, RM530N-GL

2 Installation of USB NDIS Driver

This chapter describes how to install USB NDIS driver for Quectel LTE and 5G modules with the provided installation package.

2.1. Preparation

You can install Quectel USB NDIS driver directly on your system before the module is connected to PC. Or you can install the USB NDIS driver after connecting the module to PC through a USB cable. If you have never installed any Quectel driver on your system before, there would 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 NDIS driver according to the procedures in *Chapter 2.2*.

The figure below shows the "Computer Management" → "Device Manager" interface of Windows system on which Quectel drivers have never been installed.
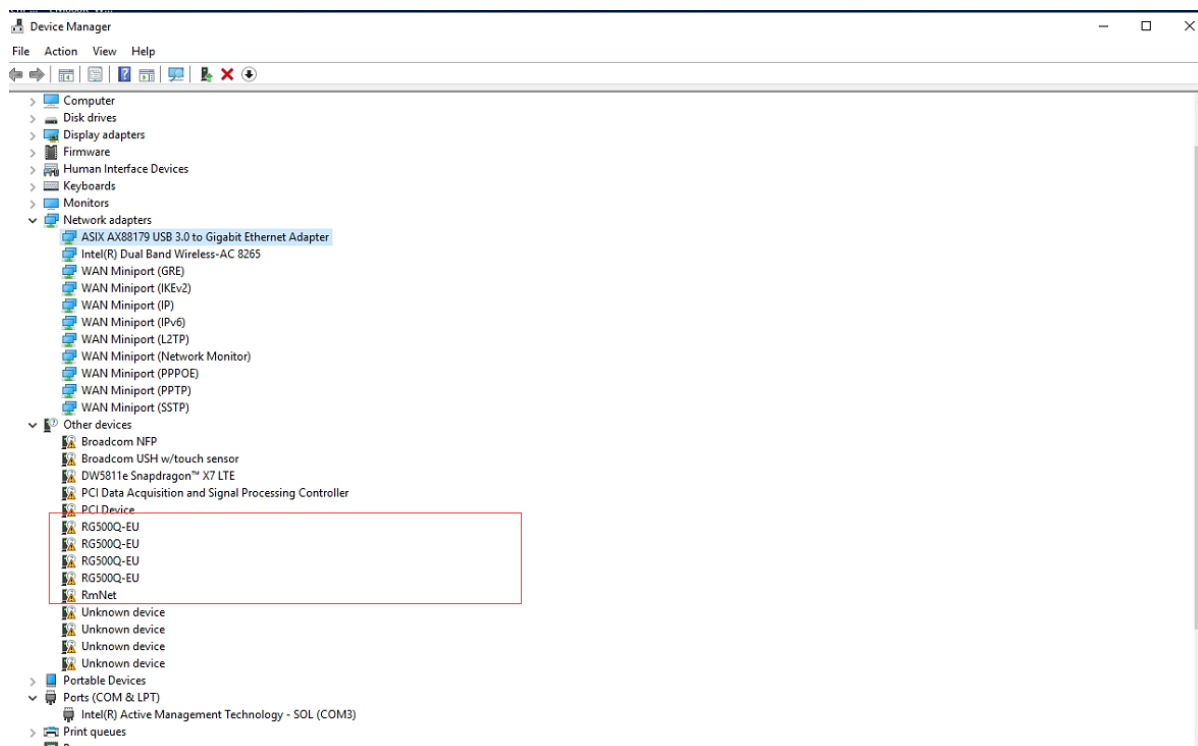
Figure 1: "Device Manager" Interface of Windows System without Quectel Driver Installed

> **NOTE**
>
> For Windows XP system, you **MUST** ensure that the module has been connected to PC before installing USB NDIS driver.

2.2. Installation Procedures

Before installing USB NDIS driver, please get the latest installation package from Quectel. This document takes the installation of *Quectel_Windows_USB_Driver(Q)_NDIS_V2.2.14* as an example, and the detailed procedures are as below.

1. **Check Installation Setting**

Double click the *setup.exe* in installation package to enter the "Preparing to Install" interface as below:
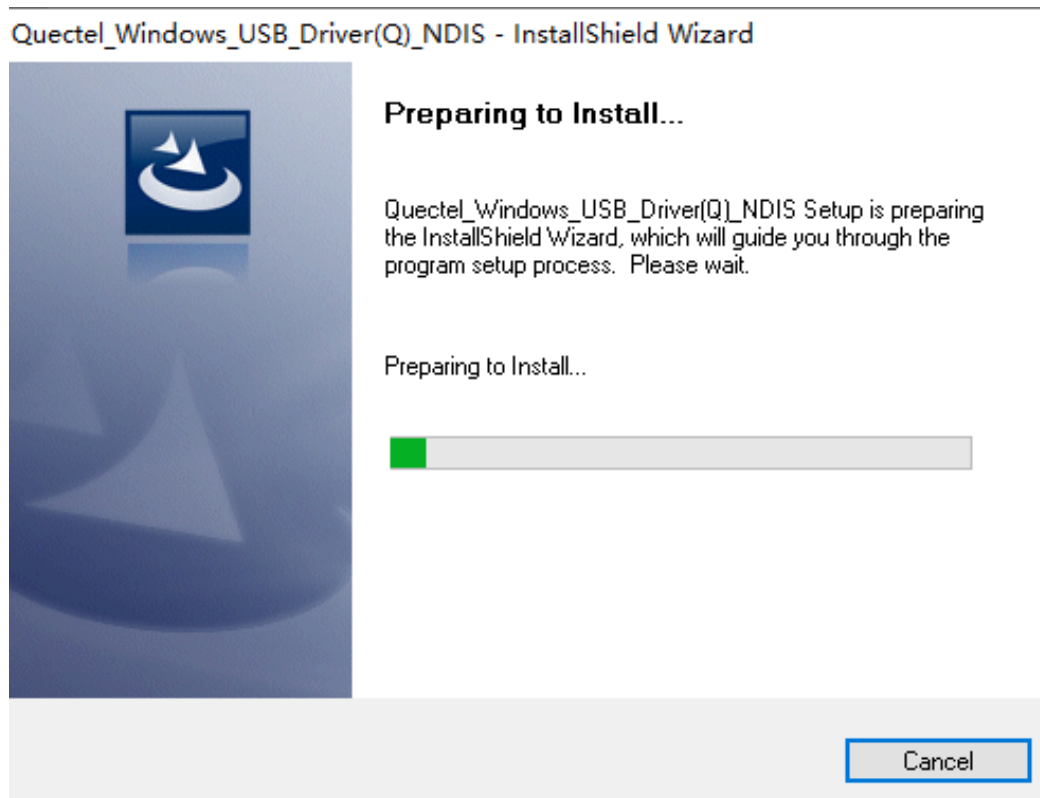
Figure 2: Preparing to Install

After the InstallShield Wizard is prepared, it enters the "Choose Destination Location" interface.

2. Choose Destination Location

If you want to change the location for USB NDIS 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 "Choose Destination Location" interface and you can click "**Next**" to continue the installation.
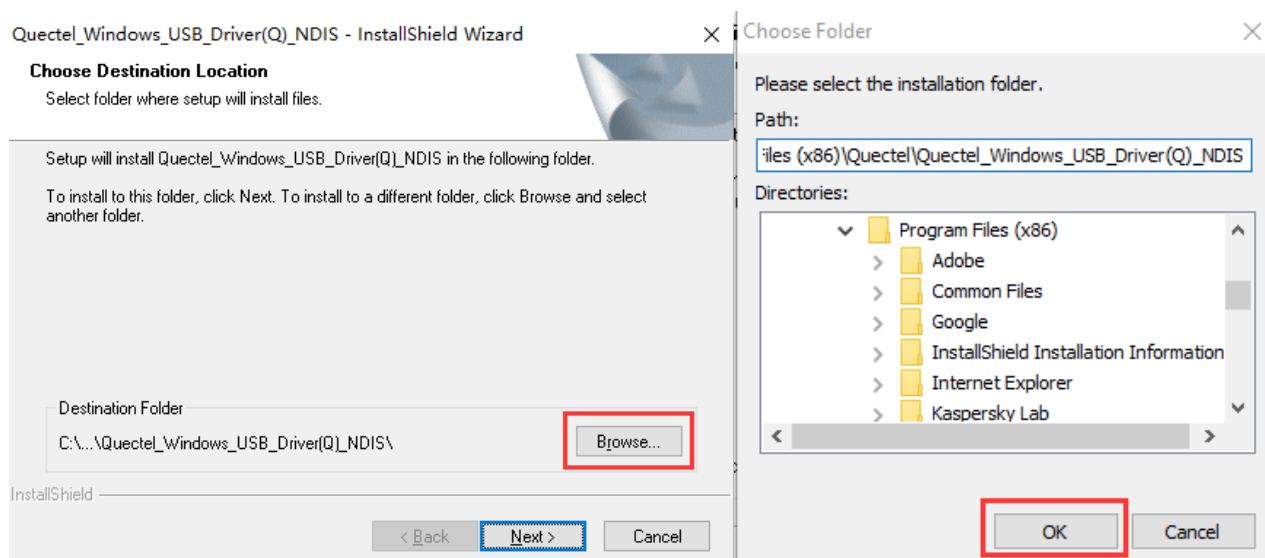
Figure 3: Choose Destination Location

If you do not want to change the location for USB NDIS driver installation, you can click "**Next**" directly to continue the installation.
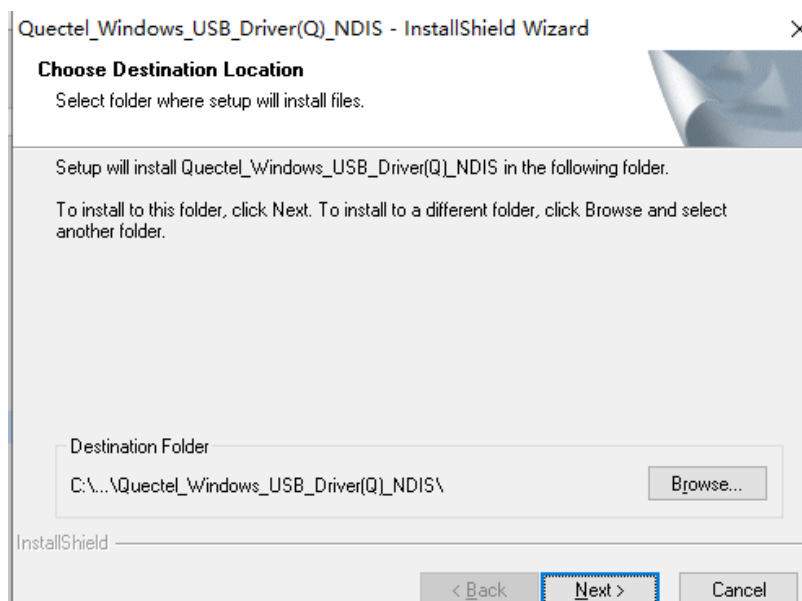
Figure 4: Keep Default Destination Location

3. Prepare Driver Files Needed for Installation

When the following interface shows, please click "**Next**" to begin copying files.
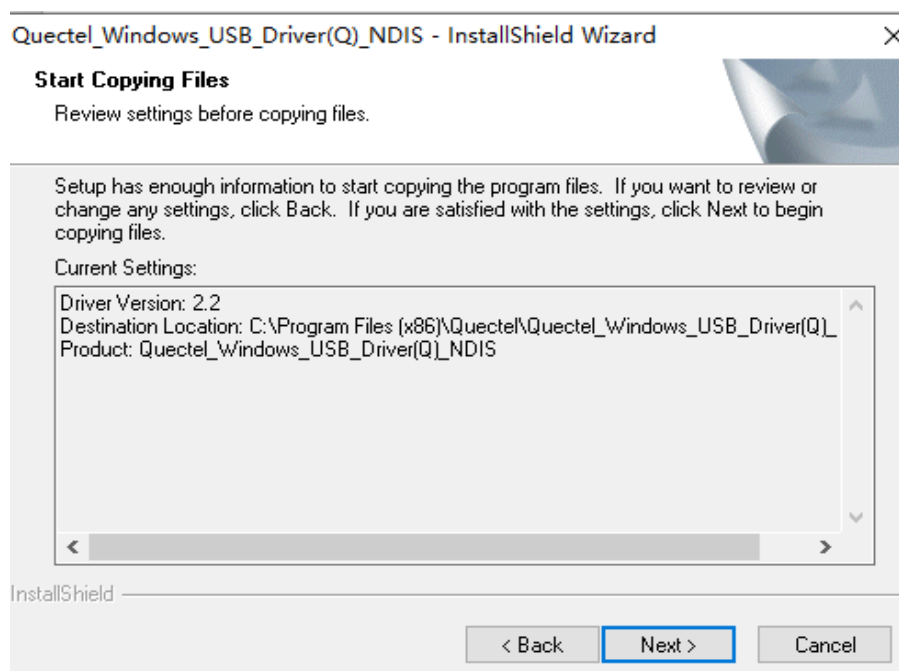
Figure 5: Copy Files

4. Automatic Installation

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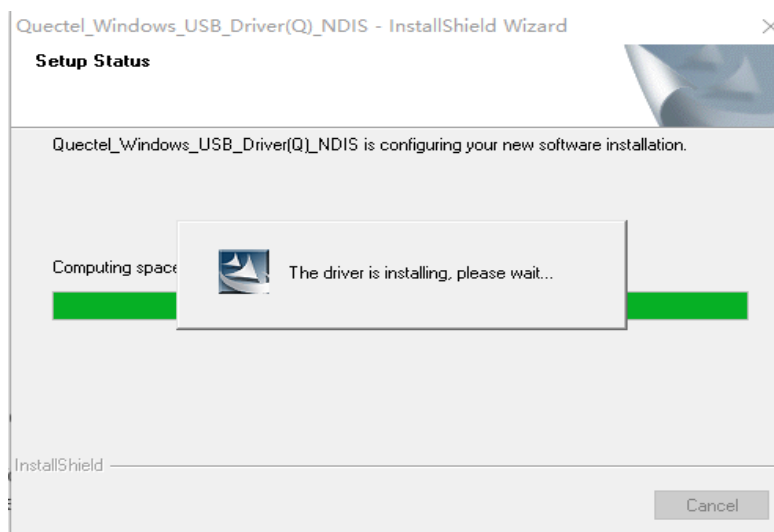

Figure 6: Automatic Installation

5. Complete Installation

When the following interface shows, it indicates a successful driver installation. Click "**Finish**" to complete the installation.
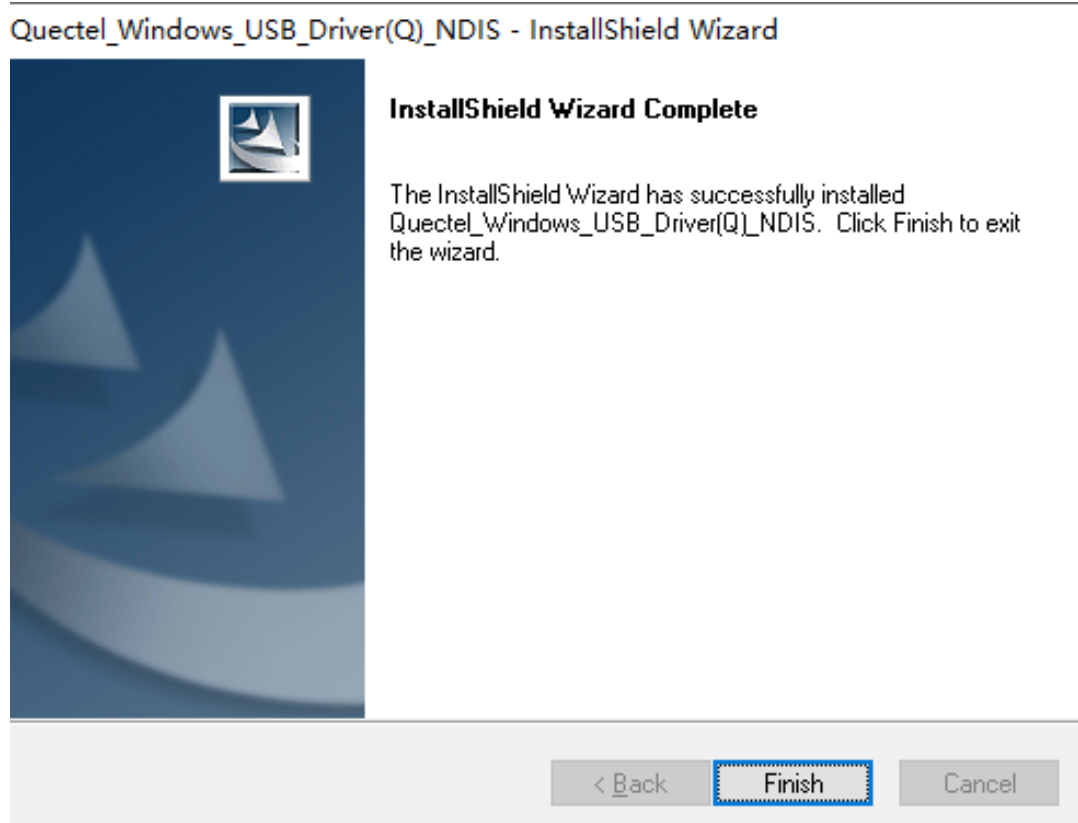
Figure 7: Complete Installation

You can check the installation result through "Computer Management" → "Device Manager". The "Device Manager" interface after a successful driver installation is shown as below.
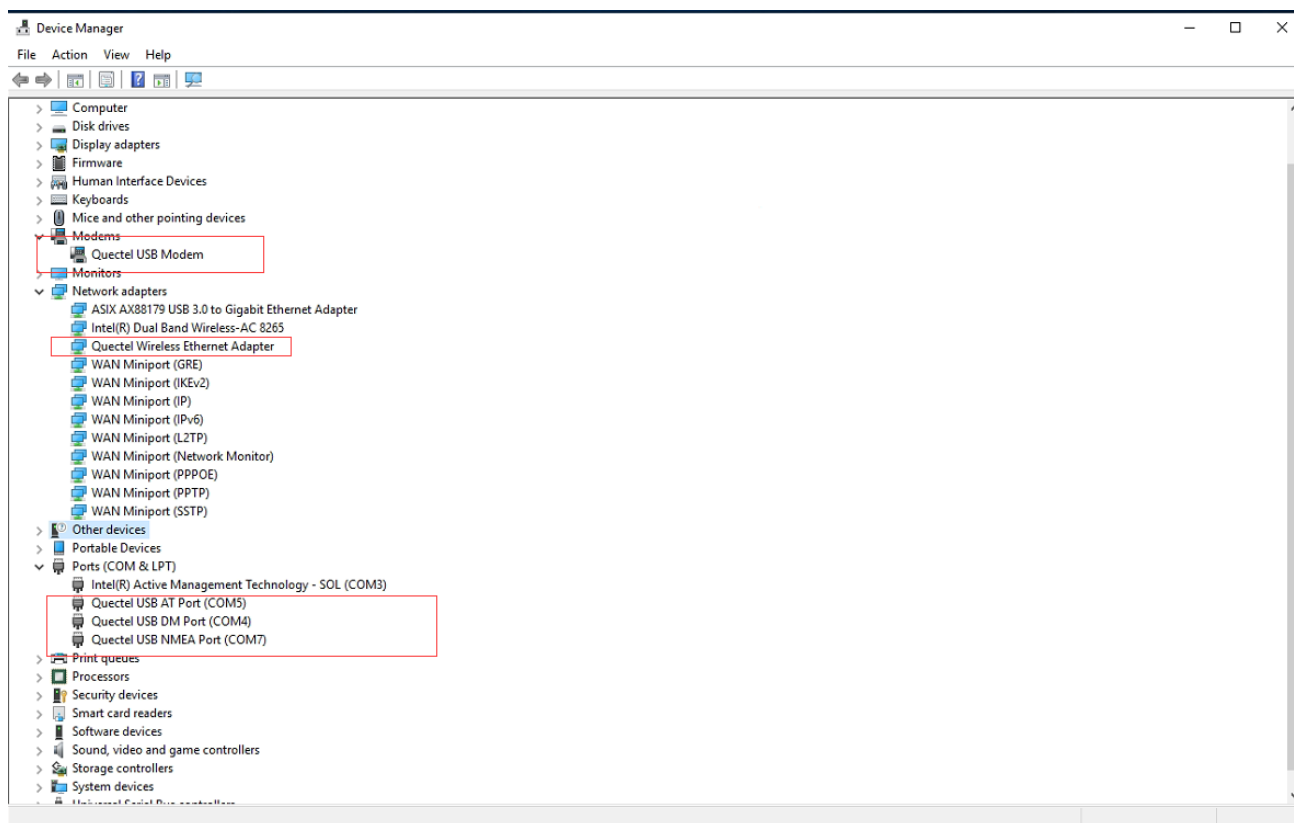
Figure 8: "Device Manager" Interface with Driver Successfully Installed

2.3. Test

After the USB NDIS driver has been installed, you can test whether the driver works normally via QCOM. For detailed steps, see *document [1]*.
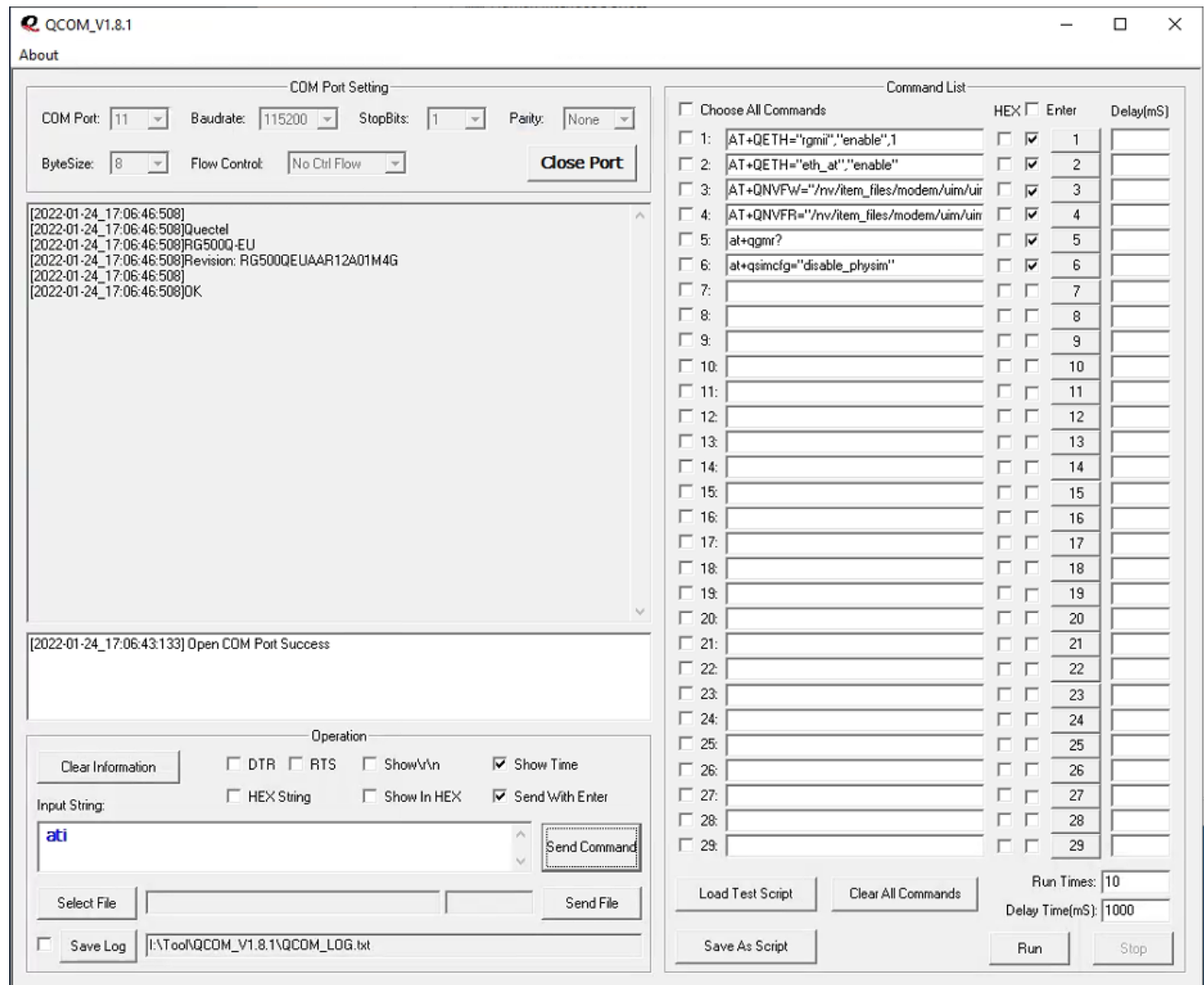
Figure 9: Test Module via QCOM (Take RG500Q-EU as an Example)

3 Uninstallation of USB NDIS Driver

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

3.1. Uninstallation Procedures

1. Choose Driver

Enter "Control Panel" and choose the installed USB NDIS driver, then click "**Uninstall**", as shown below.
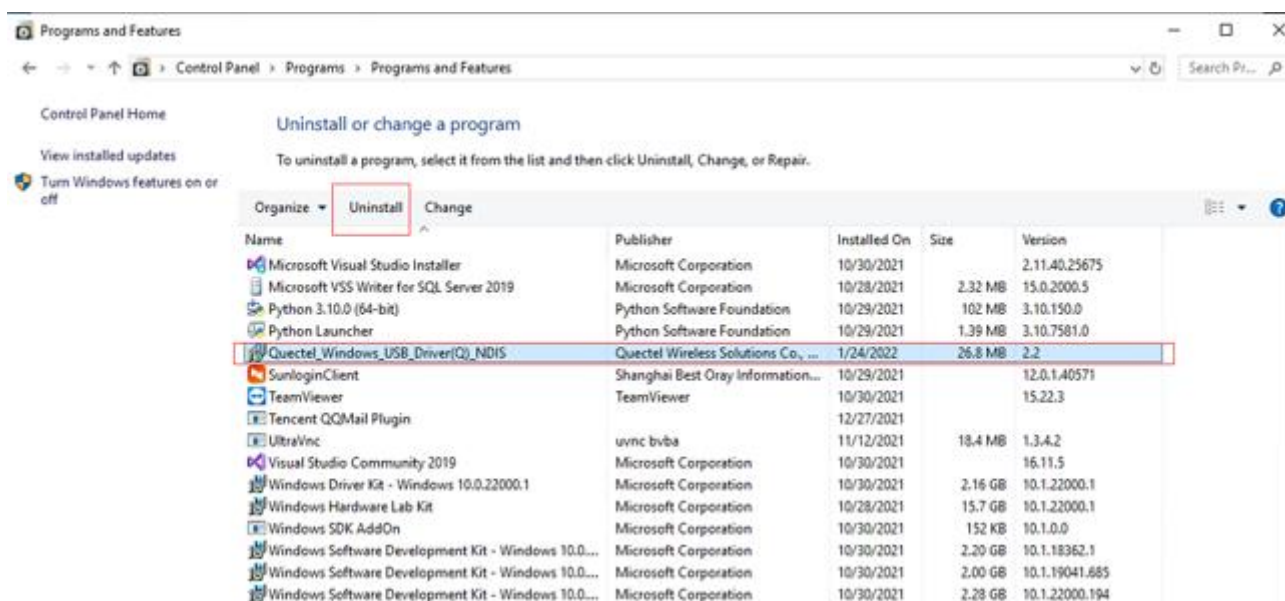
Figure 10: Uninstall USB NDIS Driver

2. Check Uninstallation Setting

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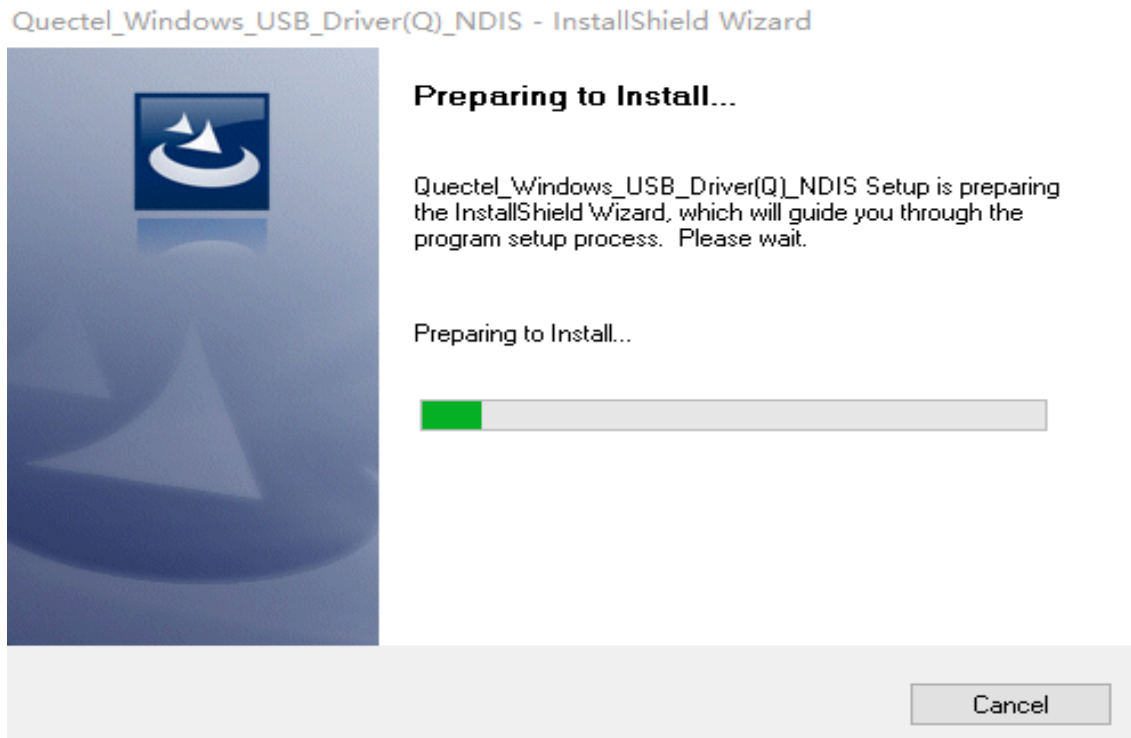

Figure 11: Check Uninstallation Setting

3. Confirm Uninstallation
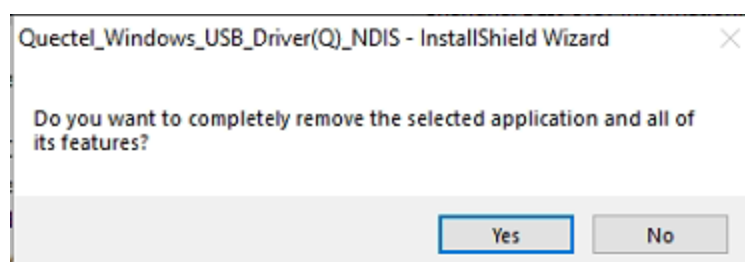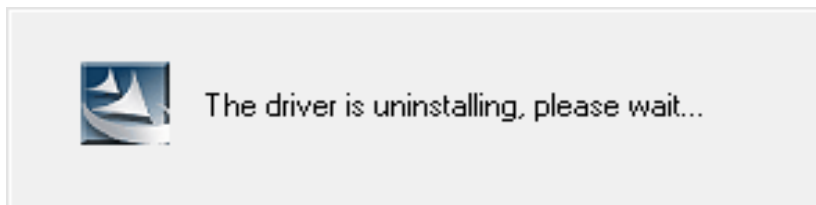
Click "**Yes**" to confirm the uninstallation.
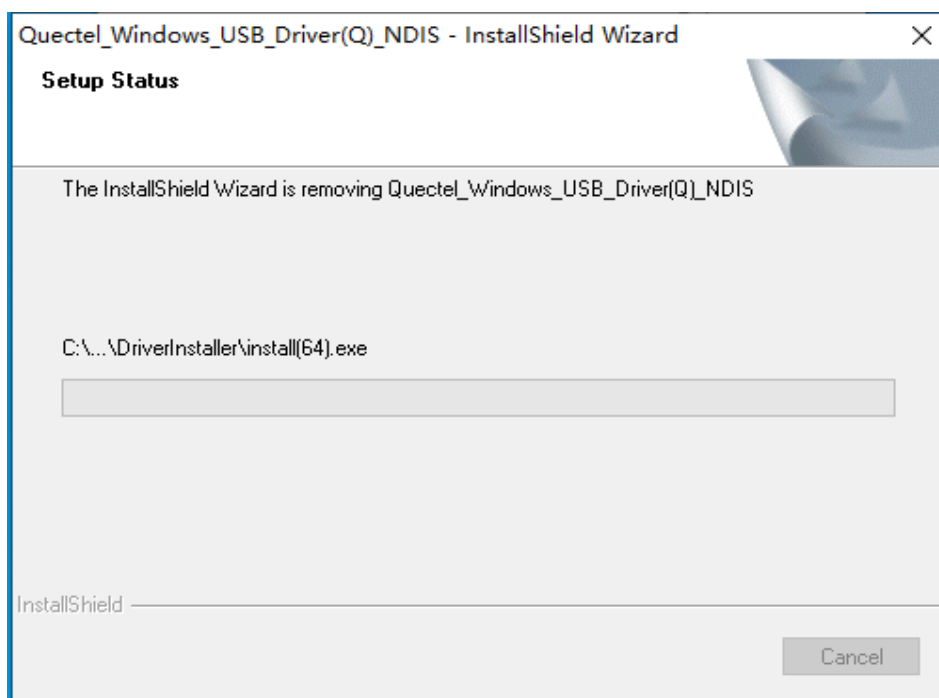

Figure 12: Confirm Uninstallation

4. Automatic Uninstallation

Driver uninstallation automatically starts after you confirm the uninstallation. It may take some time to uninstall the driver, please wait patiently for the process to complete.
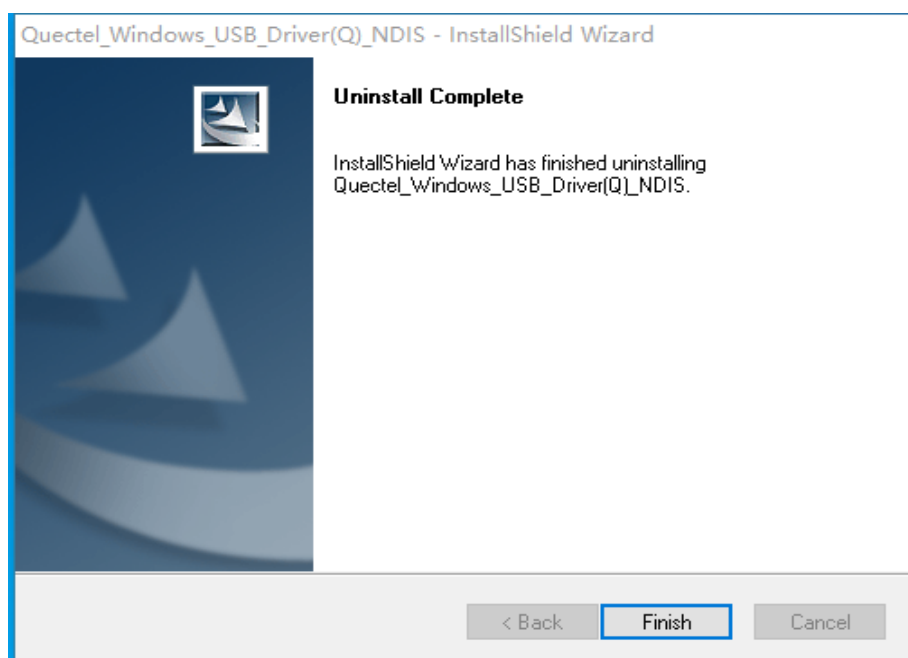

Figure 13: Automatic Uninstallation

Please wait patiently when InstallShield Wizard is removing installation files as illustrated below.

**Figure 14: Remove Installation Files**

5. Complete Uninstallation

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

Figure 15: Complete Uninstallation

6. Check Uninstallation Result

After the USB NDIS driver has been uninstalled successfully, the device 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 as below.
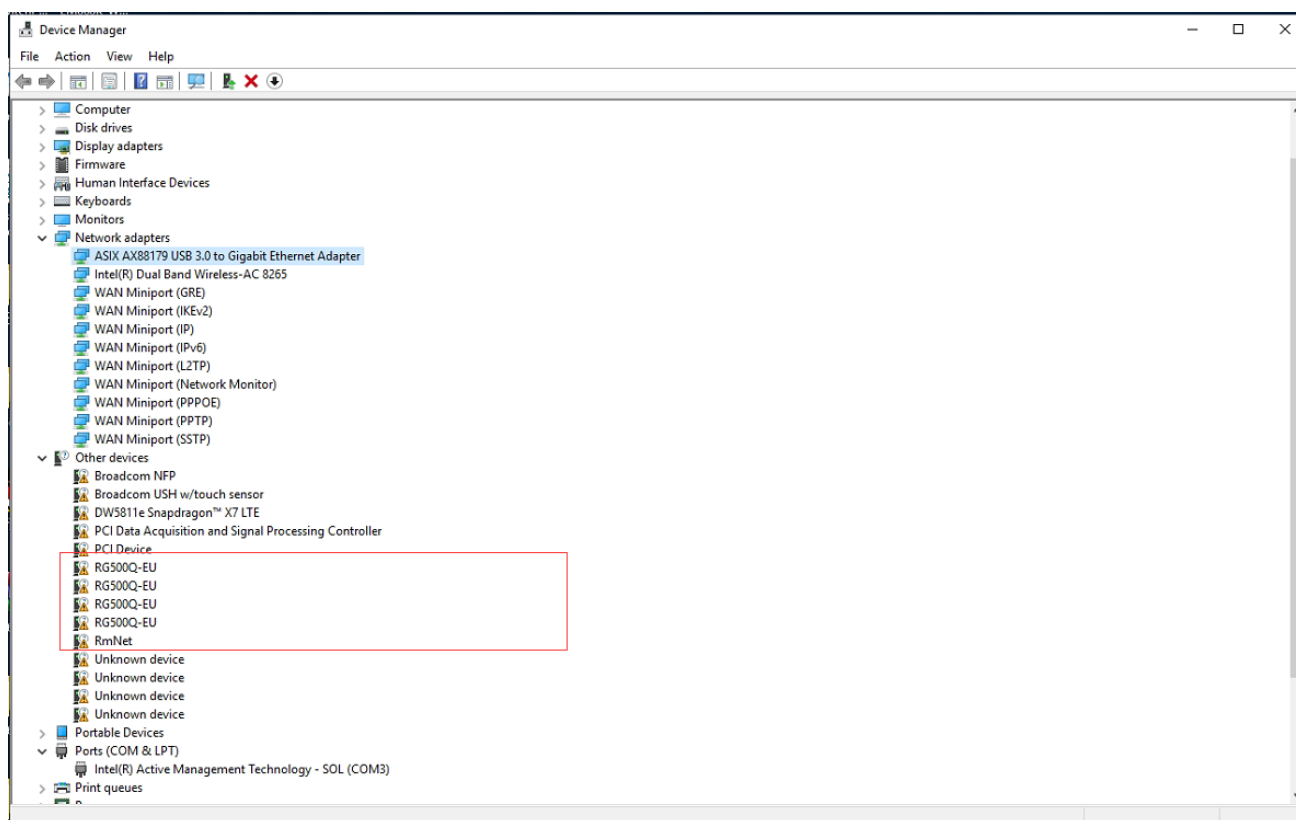
Figure 16: Check USB NDIS Driver Uninstallation Result

4 Appendix References

Table 2: Related Document

Document Name
[1]   Quectel_QCOM_User_Guide

Table 3: Terms and Abbreviations

Abbreviation	Description
5G	5th-Generation
LPWA	Low-Power Wide-Area (Network)
LTE	Long-Term Evolution
LTE-A	LTE-Advanced
PC	Personal Computer
USB	Universal Serial Bus