

# **LTE Windows USB Driver RNDIS Installation Guide**

**LTE Standard/Automotive Module Series**

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# About the Document

## History

Revision	Date	Author	Description
1.0	2019-12-04	Isaac WANG	Initial

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# 1 Introduction

This document illustrates how to install and uninstall the USB RNDIS driver for Quectel modules running on Windows operating systems, with provided installation package.

The installation package (*Quectel\_LTE\_Windows\_USB\_Driver\_RNDIS*) supports Windows 7, Windows 8 and Windows 10 operating systems. In this document, the operation in Windows 10 is mainly taken as an example.

## 1.1. Applicable Products

This document is applicable to the following specific Quectel modules shown in the following table.

**Table 1: Applicable module**

Module Series		Modules
LTE	LTE Standard	● EC2x: EC25/EC21/EC20 R2.0/EC20 R2.1
	Automotive	● AGxx: AG35

# 2 Installation

This chapter mainly describes how to install the driver with the provided installation package.

## NOTE

Please contact Quectel technical support for the latest installation package in advance.

## 2.1. Preparation

Before installing the driver, please make sure that the module is connected to the computer and powered up. If no Quectel driver has ever been installed in the system, a prompt indicating that the driver of the new module needs updating may appear. In this case, please ignore the prompt and start the installation as described in **Chapter 2.2**.

## 2.2. Installation Procedures

This chapter describes the installation process of *Quectel\_LTE\_Windows\_USB\_Driver\_RNDIS*. The detailed steps are as follows:

### 1. Installation Preparation

Open the installation package, double click the installation program *setup.exe*, Then, as shown in the following figure, the “Preparing to Install...” box will be displayed.

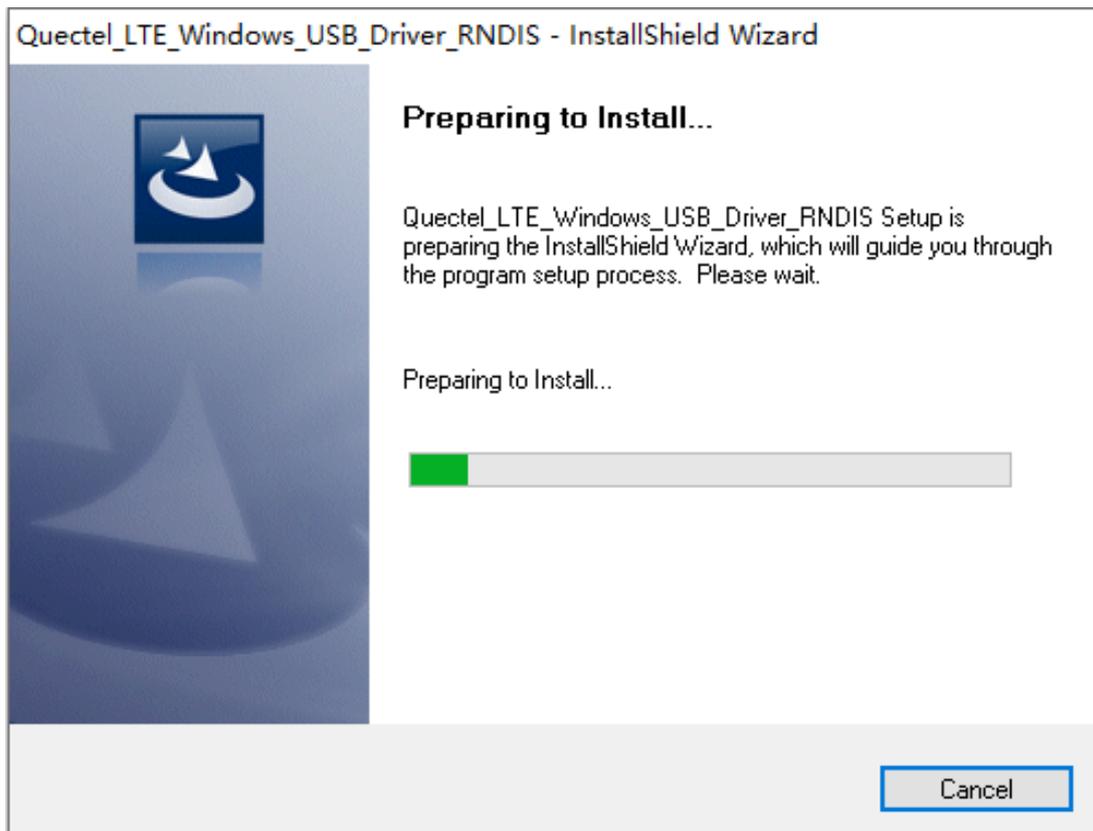


Figure 1: Installation Preparation

## 2. Choose Destination Location

Please click “**Next**” straightforward to install the driver to the default installation location. If it is needed to change the location, please select the custom installation location by clicking “**Browse...**”.

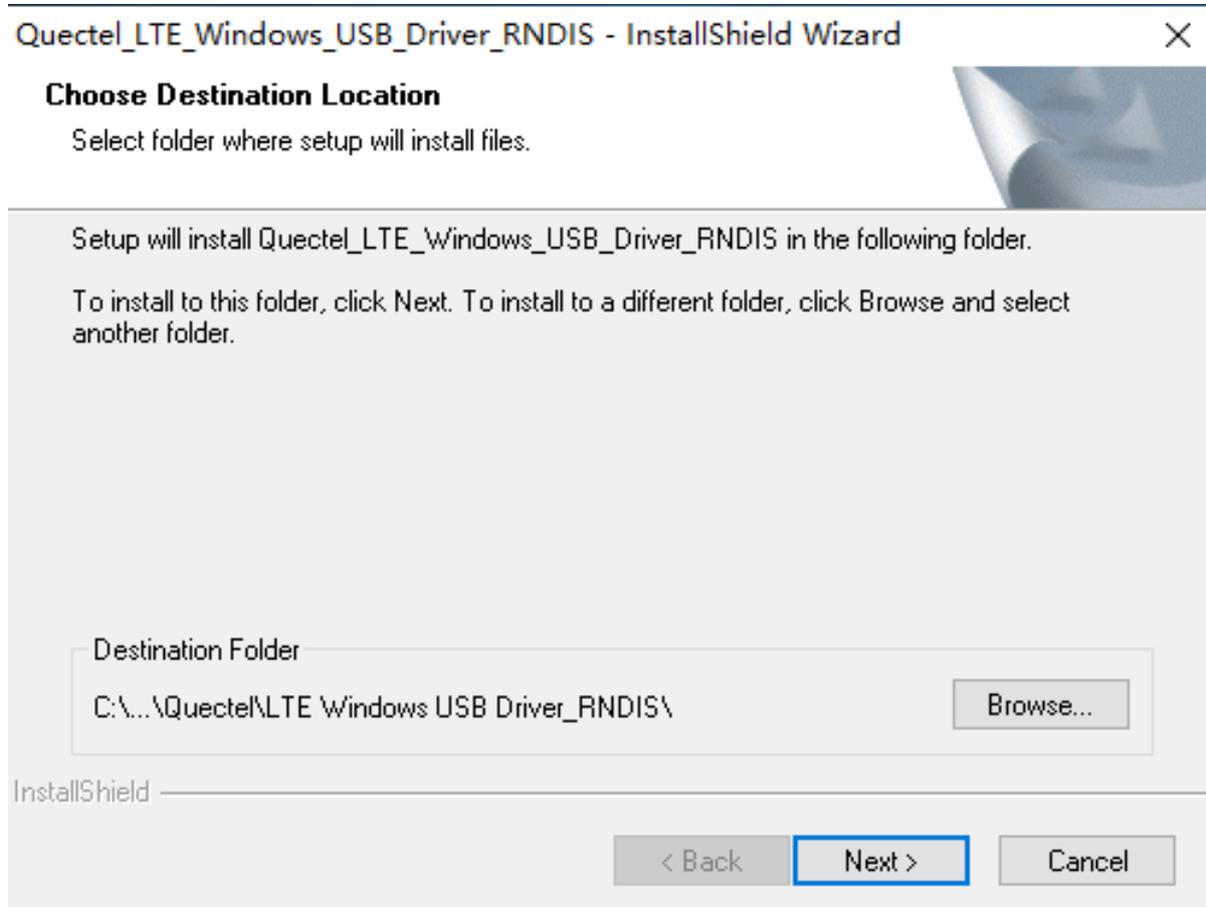


Figure 2: Choose Installation Path

### 3. Starting File Copying

When the following window appears, click “**Next**”. Then, the program will automatically start copying the driver files needed for the installation.

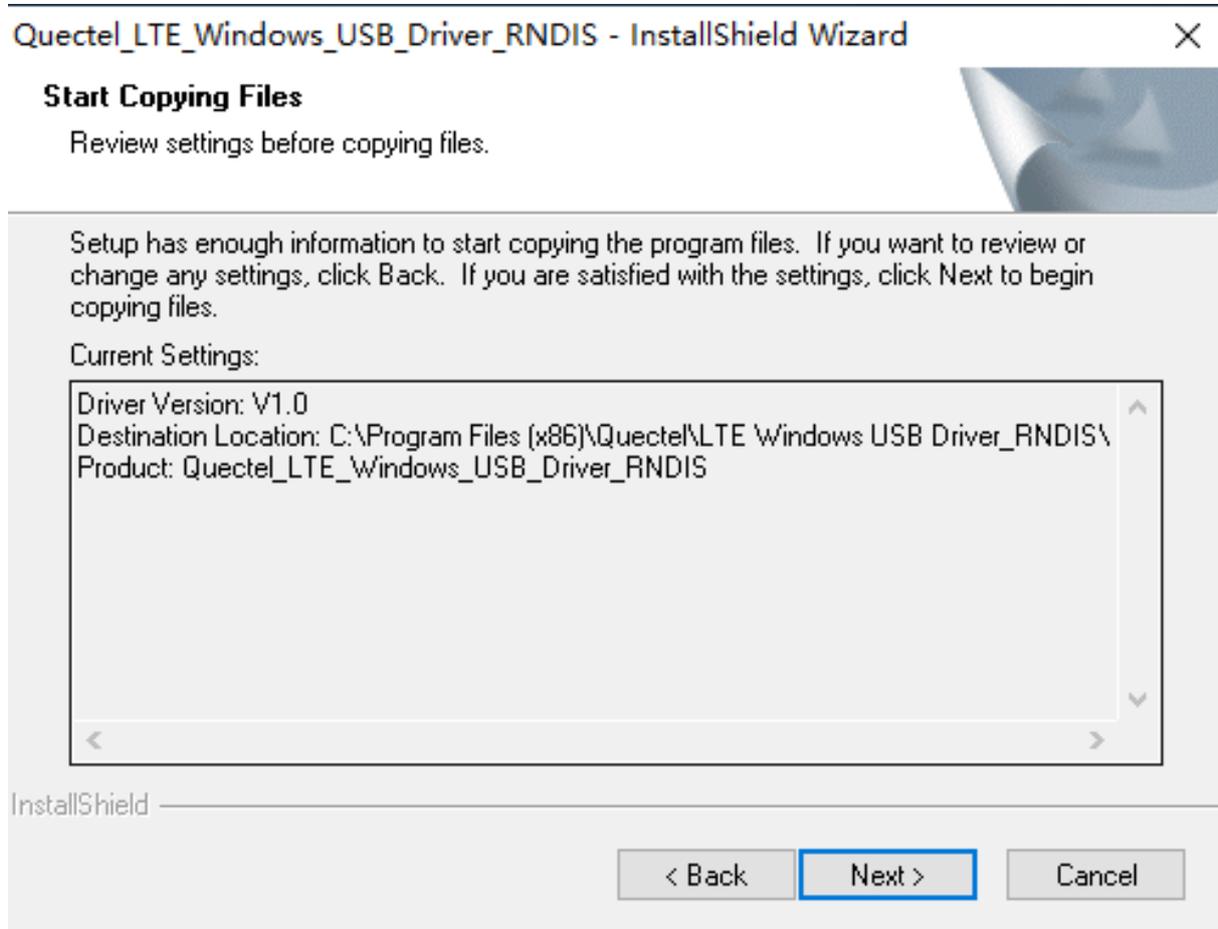


Figure 3: Copying Files

#### 4. Installing

After the files copying is complete, the driver will be installed automatically, as shown below. The setup process may take some time, please wait patiently until it is finished.

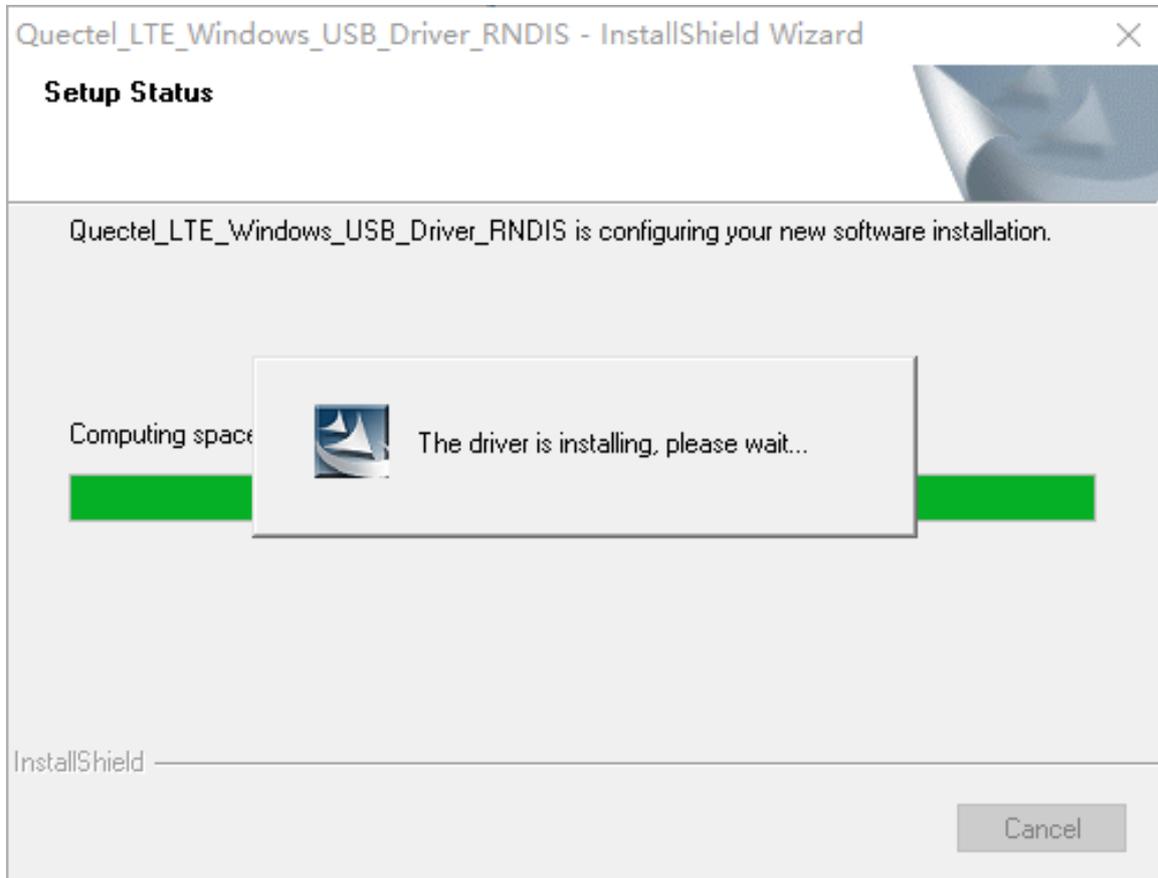


Figure 4: Installing

## 5. Complete Installation

After the installation is complete, the installer will present the window shown by the following figure, which indicates the driver has been installed successfully. Click “**Finish**” to complete the installation.

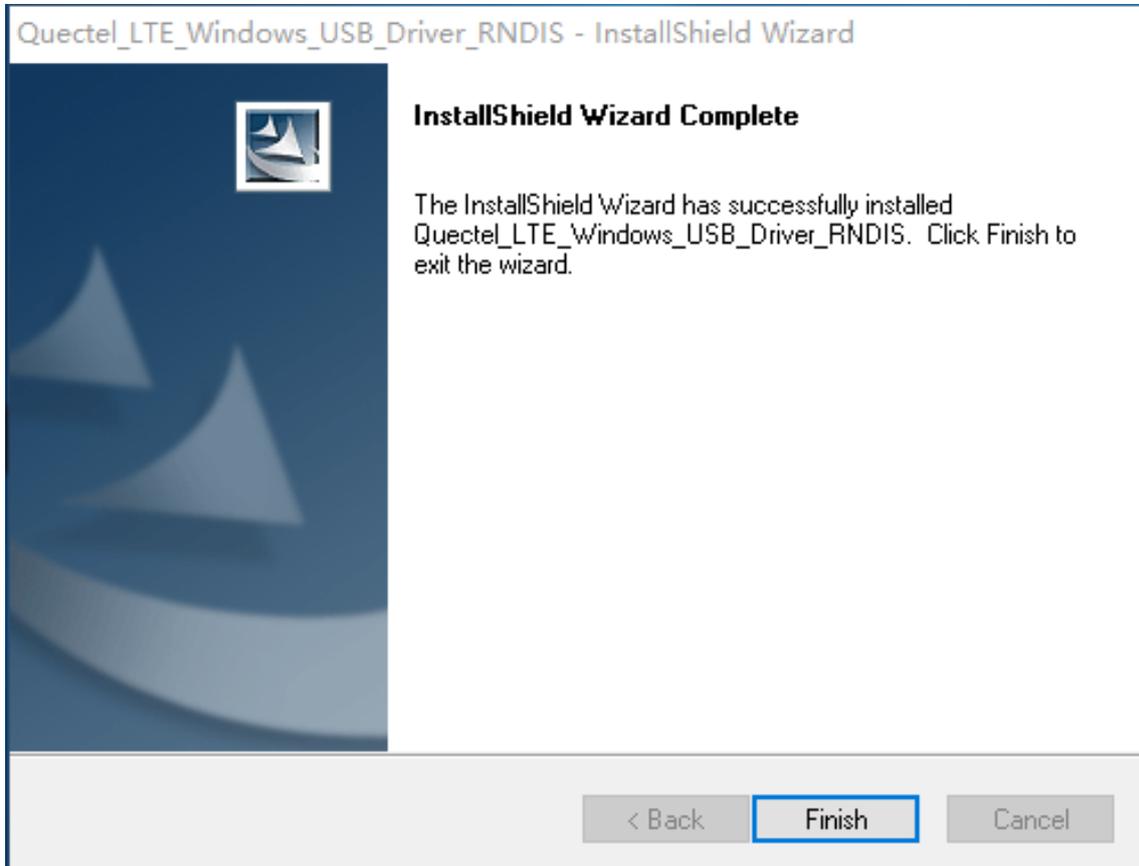


Figure 5: Complete Installation

## 2.3. Check on Installation Result

After the installation, the installation result can be checked on through “**Device Manager**”. “**Device Manager**” can be found in “**Hardware and Sound**” category of “**Control Panel**” of Windows systems.

- When the driver is successfully installed, the “**Device Manager**” on Windows 10 will show as below.

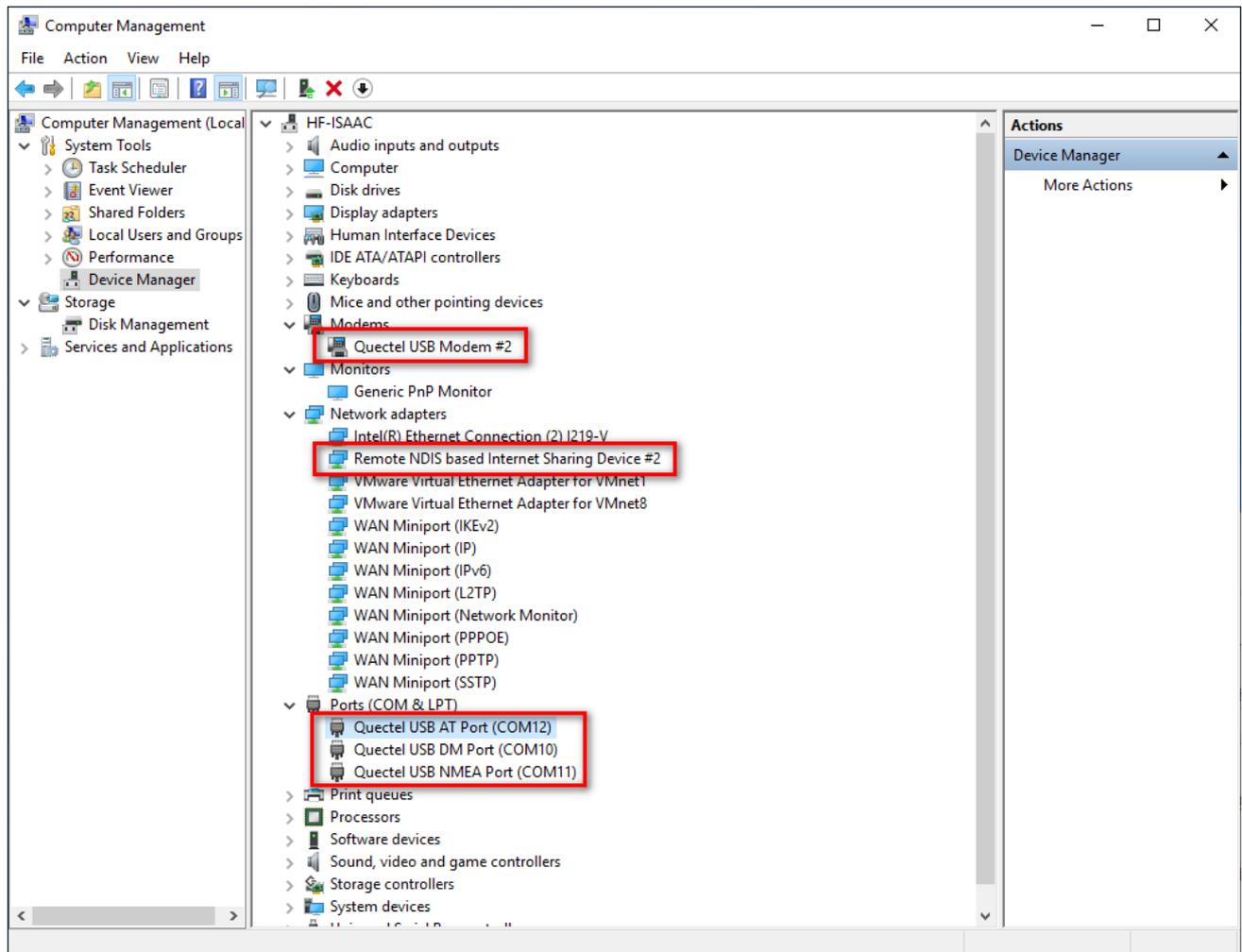


Figure 6: Device Manager When Driver Installation Succeeded

### NOTE

The driver needs to match the mode of the NIC. Specific drivers should be installed corresponding to different network modes, otherwise, it may not work properly.

- If the driver is not installed or the installation failed, the “**Device Manager**” on Windows 10 will show as below (for reference only).

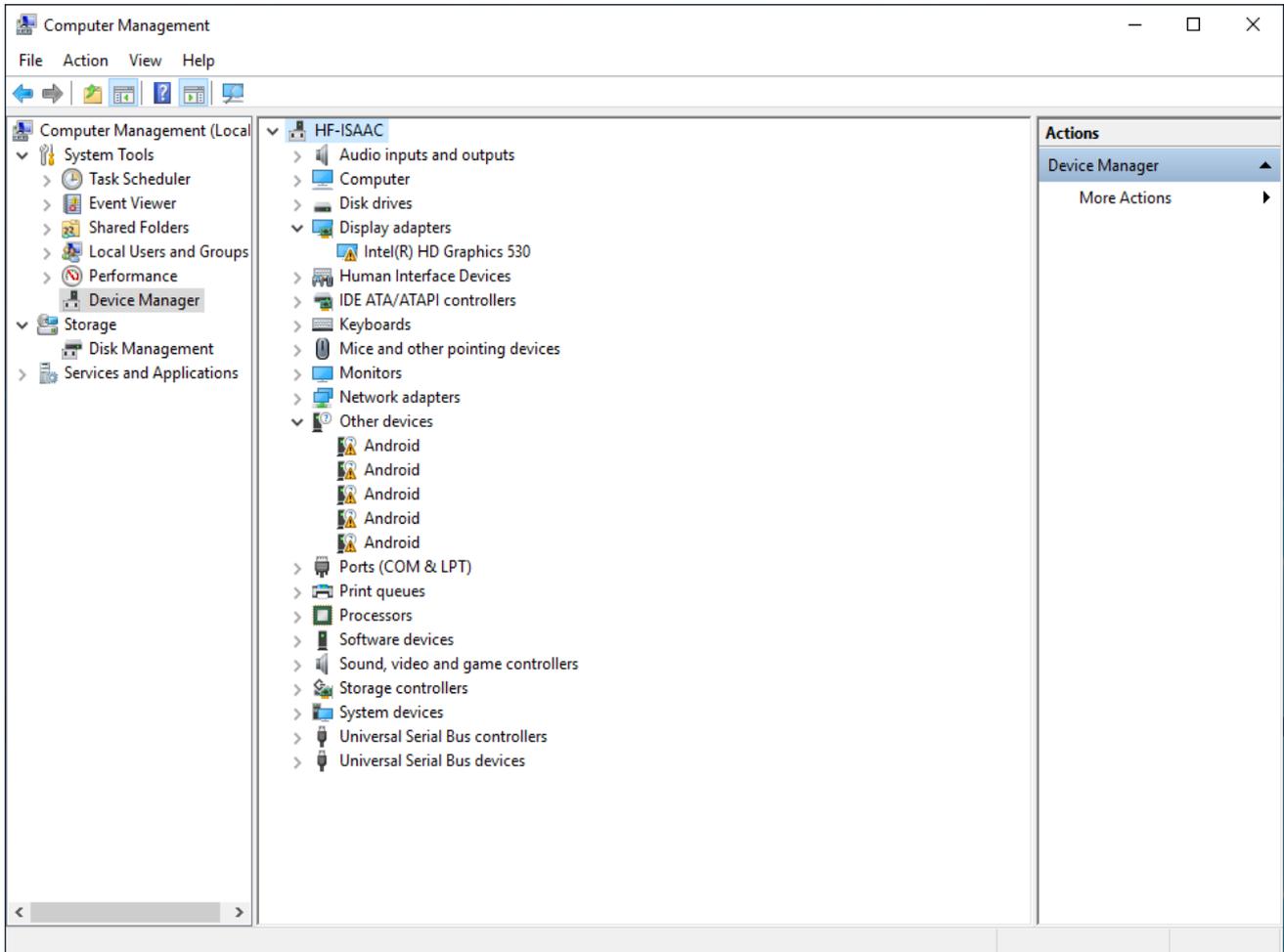


Figure 7: Driver not Installed or Installation Failed

## 2.4. Test

After the driver has been installed, users can test whether the driver works normally through QNavigator. AT command being transmitted normally through QNavigator indicates that the basic function of the driver works normally. EC25 module is used as an example in the following figure to demonstrate details of the test.

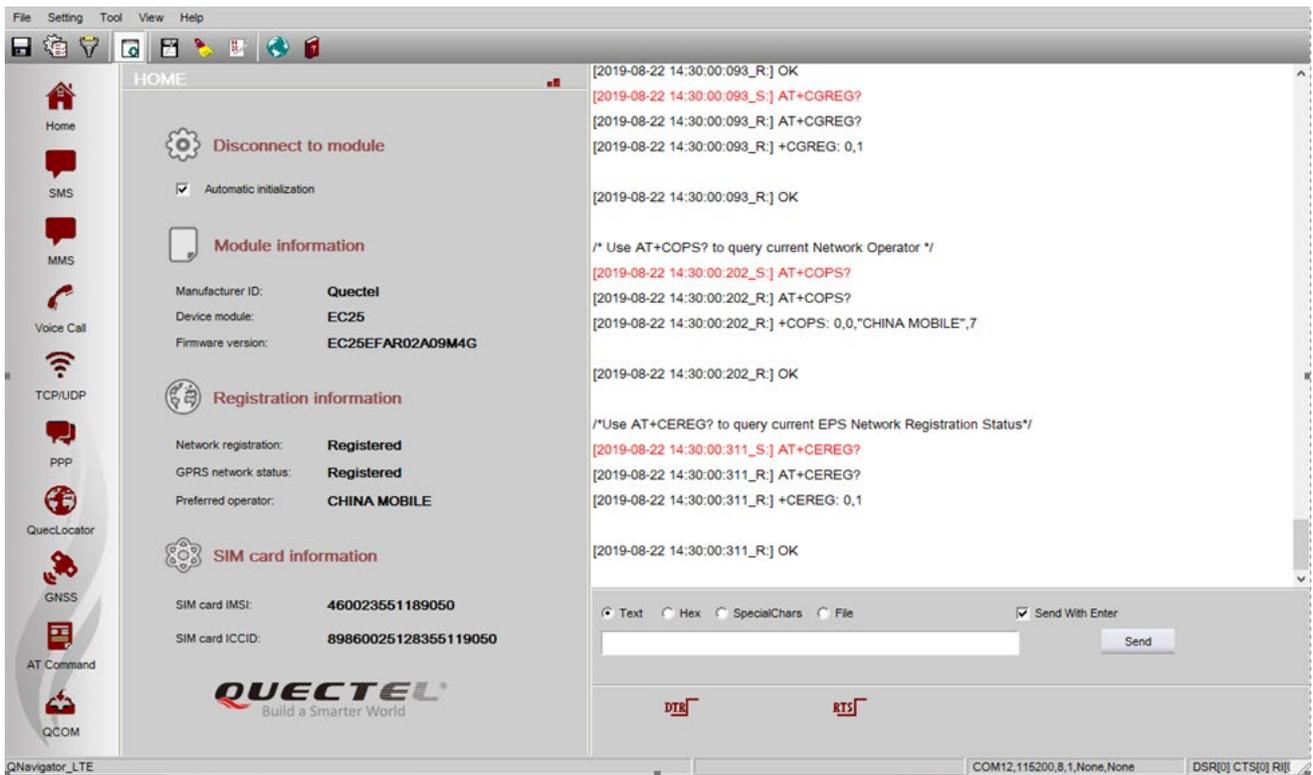


Figure 8: Module Test via QNavigator

### NOTE

For detailed information about QNavigator, please refer to *Quectel\_QNavigator\_User\_Guide*.

# 3 Uninstallation

This chapter mainly describes how to uninstall the driver. The uninstallation can be started through “Uninstall or change a program” on “Control Panel” in Windows system.

## 3.1. Uninstallation Procedures

### 1. Select the Driver from “Uninstall or change a program”

Enter “Control Panel” → “Programs” → “Uninstall or change a program” and select the installed driver. Then, click “Uninstall” in the window to start the uninstallation, as shown in the following figures.

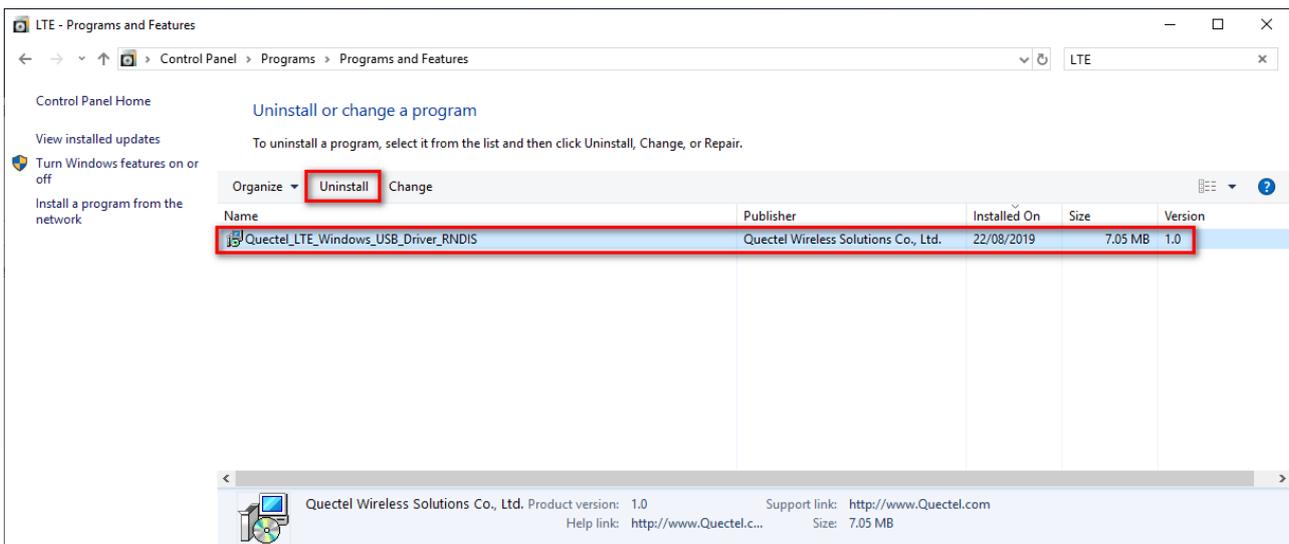


Figure 9: Uninstall the Driver

## 2. Uninstallation Preparation

After "Uninstall" is clicked, the window shown by the following figure will be displayed.

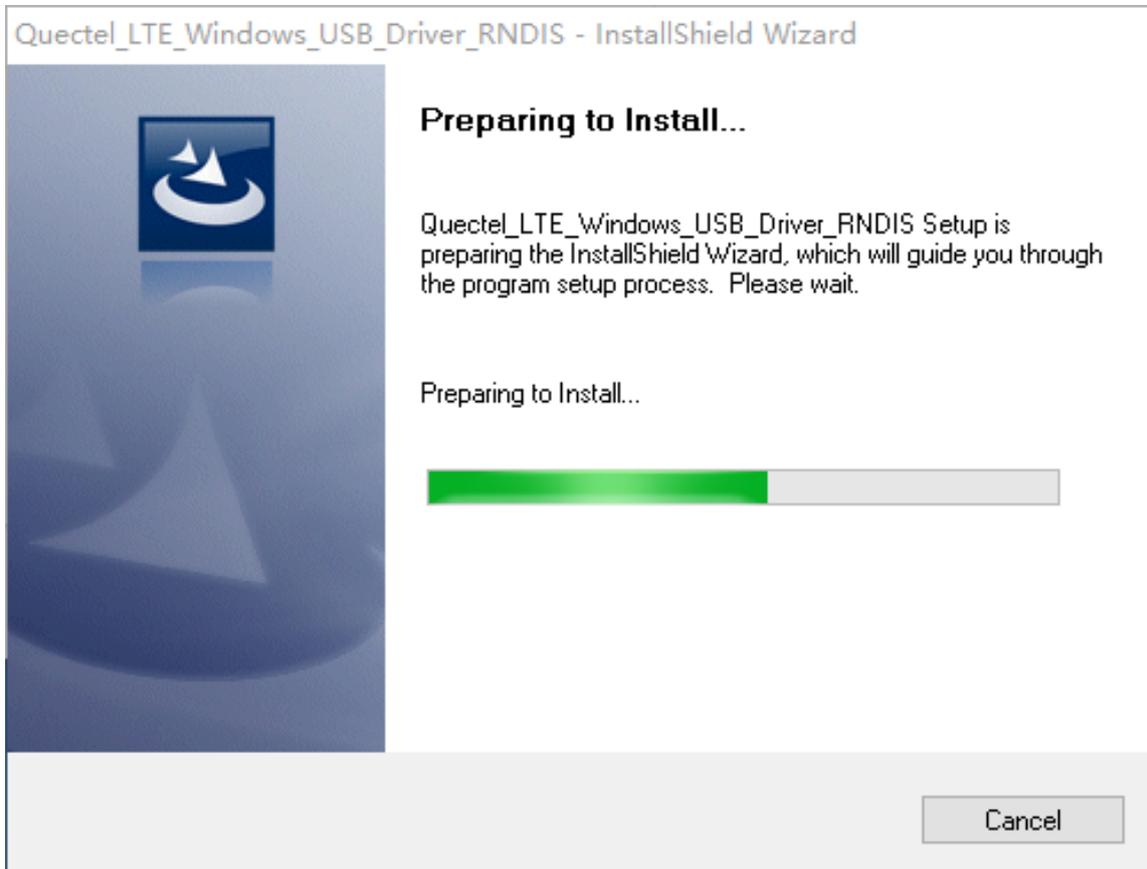


Figure 10: Uninstallation Preparation

## 3. Uninstallation Confirmation

Click "Yes" to confirm the uninstallation, as shown below.

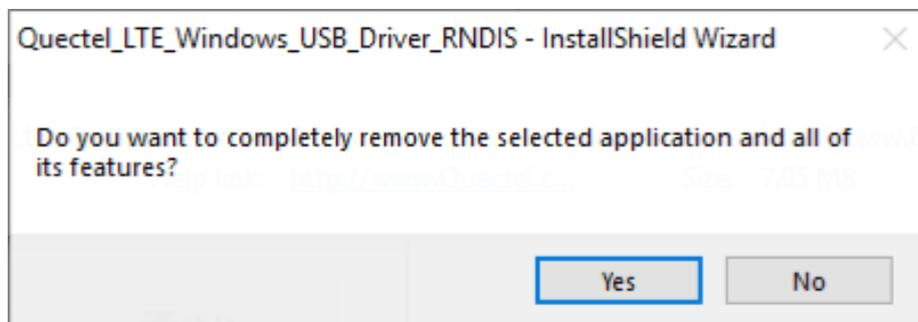


Figure 11: Confirm Uninstallation

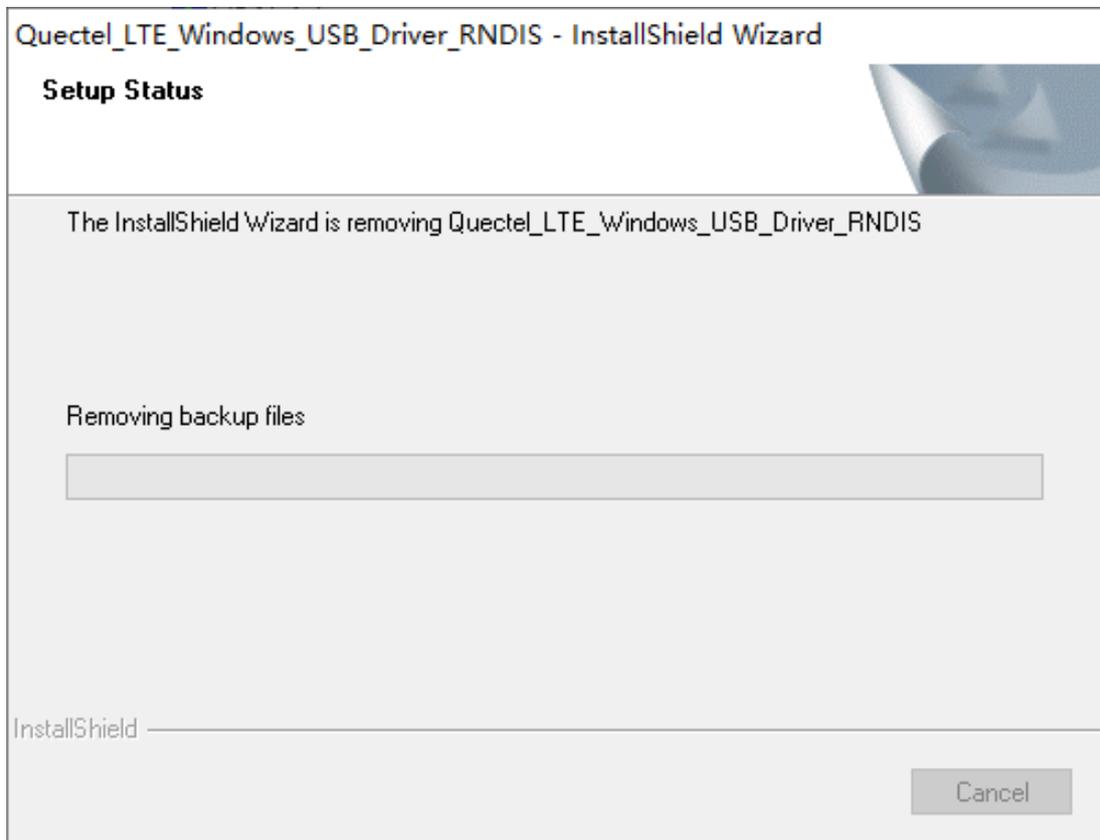
#### 4. Uninstalling

After confirmation of the uninstallation, the uninstallation will start. The uninstalling process may take some time, so, please wait until it is finished.



**Figure 12: Automatic Uninstallation**

Please wait patiently during the file removing process as shown below.



**Figure 13: Driver Uninstallation Progress**

## 5. Uninstallation Complete

After the uninstallation is complete, the installer will present the window shown by the following figure, which indicates the driver has been uninstalled successfully. Click “**Finish**” to finish the uninstallation.

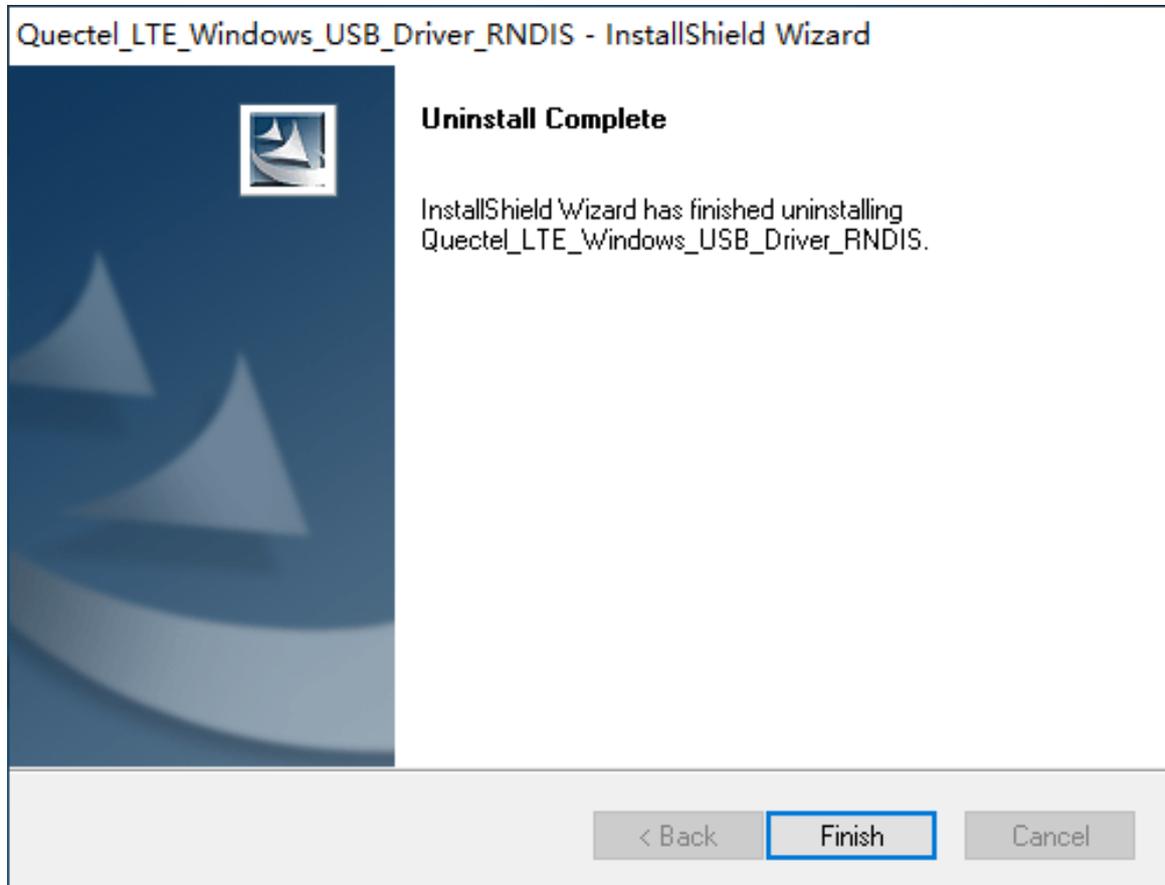


Figure 14: Uninstallation Complete

### 3.2. Check on Uninstallation Result

After the driver has been uninstalled successfully, the driver will switch to an uninstalled status. Users can check whether the driver has been uninstalled successfully through “**Computer Management**”, as illustrated below. The following information in the red square indicates that the driver has been uninstalled successfully.

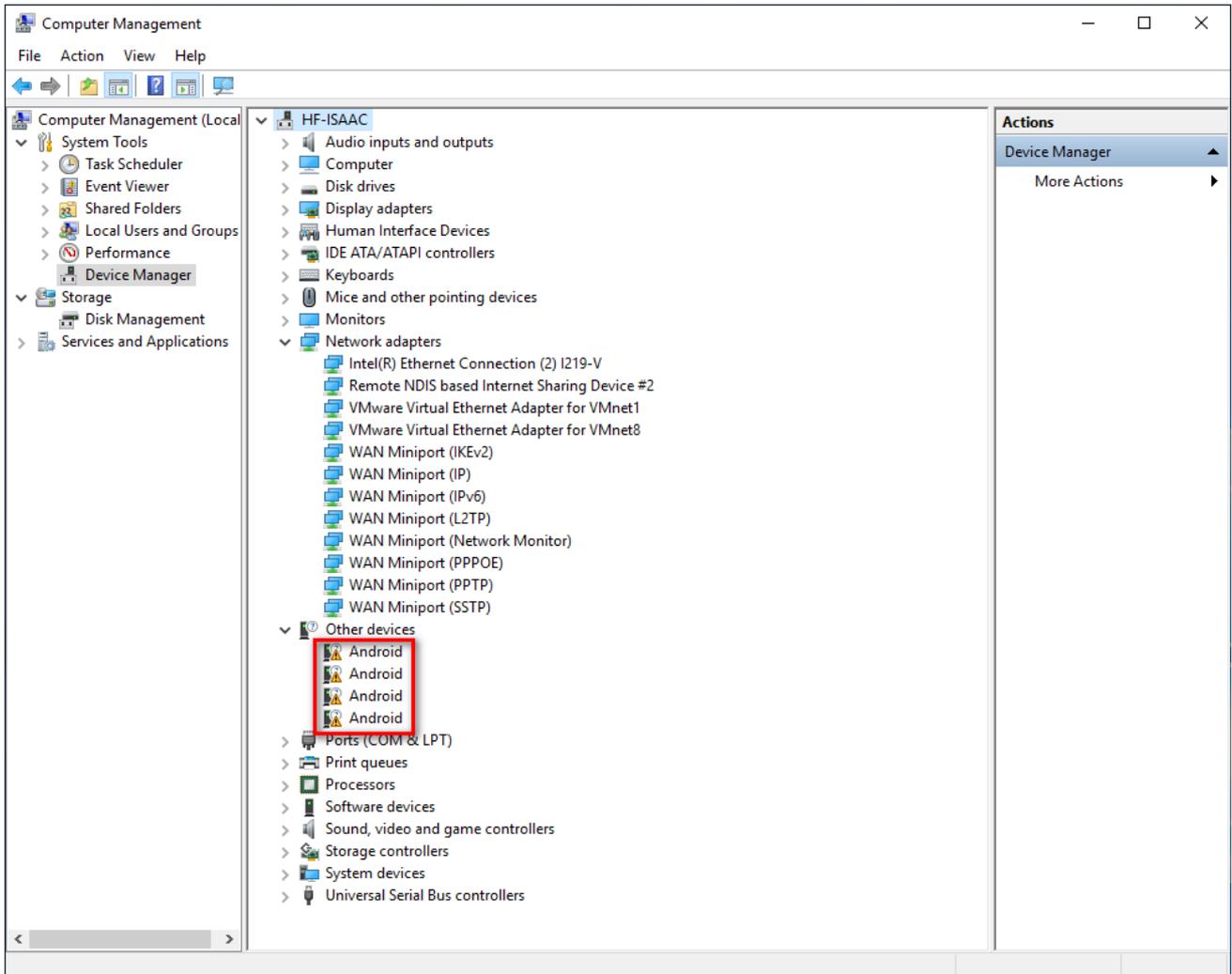


Figure 15: Device Manager When Driver Uninstallation Succeeded

# 4 Appendix A References

**Table 2: Terms and Abbreviations**

Abbreviation	Description
LTE	Long-Term Evolution
NIC	Network Interface Card (or Network Adapter)
PC	Personal Computer
RNDIS	Remote Network Driver Interface Specification
USB	Universal Serial Bus