

# **EC200U&EG915U Series**Firmware Download Guide

## LTE Standard Module Series

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## **About the Document**

## **Revision History**

Version	Date	Author	Description
-	2021-08-03	Jensen FANG	Creation of the document
1.0	2021-08-09	Jensen FANG	First official release



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# 1 Introduction

This document mainly introduces the firmware download method of Quectel EC200U and EG915U series modules.



## **2** Firmware Download

## 2.1 Driver Installation

#### 1. Driver Installation

Before downloading the firmware, you need to install the device driver. Unzip the USB driver package and install it according to the installation instructions in the USB driver package.

**NOTE** 

Please contact Quectel Technical Supports (support@quectel.com) for the latest version of the driver.

## 2. Port Configuration

After the driver is installed, connect the module to the host through USB.

- If the module has never downloaded firmware before, the module will enter the download mode after the module's booting, and the port can be viewed in the device manager of the host, as shown in Figure 1.
- If the module has downloaded the firmware, the ports can be viewed in the device manager of the
  host after the module's booting, as shown in *Figure 2*. And then you can do either of the following
  options:
  - (1) Send **AT+QDOWNLOAD** to reboot the module and enter the download mode.
  - (2) Short-circuit the USB\_BOOT and VDD\_EXT pins of the module, reboot the module and enter the forced download mode. Then the port can be viewed as the following figure. Noted that the USB\_BOOT pin needs to be connected in series with a 4.7K resistor and then shorted to the VDD\_EXT pin, with a TVS tube added for protection at the same time. For details, see the Hardware Design of each module.





Figure 1: Port Viewed When the Module Has Never Downloaded the Firmware

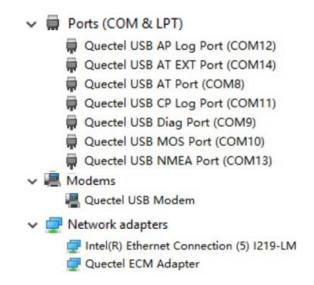


Figure 2: Ports Viewed When the Module Has Downloaded the Firmware

## 2.2 Firmware Download

This document takes the firmware download tool *UpgradeDownload\_R24.0. 0003.7z* as an example. After decompression, run the firmware download program *UpgradeDownload.exe* in the *Bin* directory and enter the download interface of the UpgradeDownload tool.



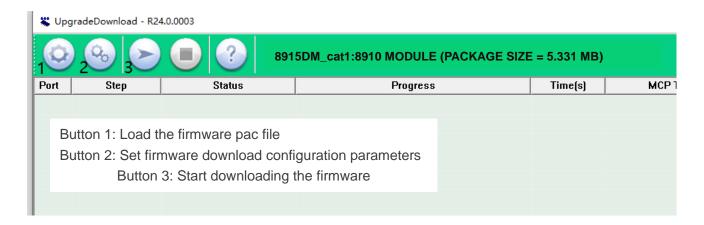


Figure 3: Firmware Download Tool: UpgradeDownload

NOTE

Please contact Quectel Technical Supports (support@quectel.com) for the latest firmware download tool.



1. Click Button 2 in the main interface to configure parameters as needed, such as baud rate (only for physical serial ports).

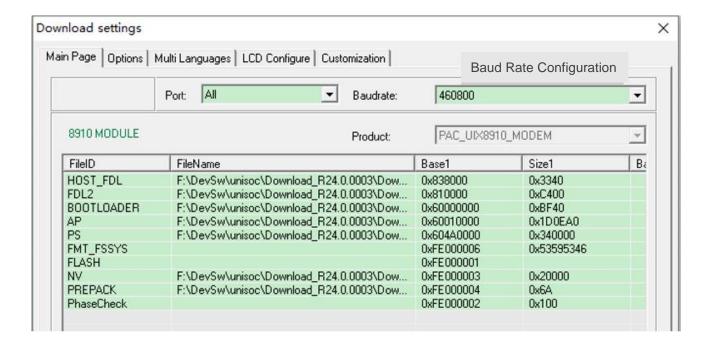


Figure 4: Parameter Configurations of UpgradeDownload

Configure whether to reboot the module automatically after firmware download in the Options interface. If you need to reboot the module, choose "Reset to Normal" in "End of download" and click "OK" to complete the configuration.

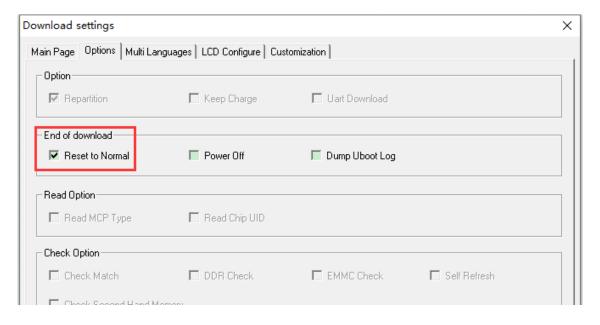


Figure 5: Whether to Automatically Reboot Module After Firmware Download



- 2. As shown in *Figure 3*, click firmware pac file loading button (Button 1) to select the firmware pac file to be downloaded in the target directory. After loading, the basic information of the firmware package will be displayed in the middle of the UpgradeDownload toolbar.
- 3. Click the firmware download button (Button 3), and if the module is in the download mode, the firmware will be downloaded.

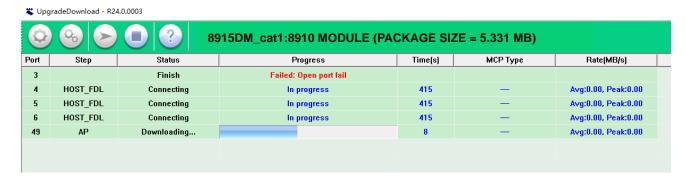


Figure 6: Firmware Download Status

If the module is not in download mode, "Failed: Open port fail" will be displayed after you click the firmware download button (Button 3). Then you need to put the module into download mode according to **Chapter 1**.

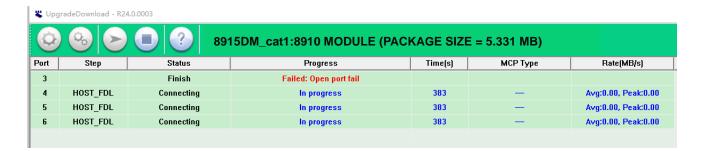


Figure 7: Opening the Firmware Download Port Failed



**4.** After downloading the firmware, the tool display is shown as the following figure:



Figure 8: Firmware Download Completed

If it is configured to automatically reboot the module after the firmware is downloaded, it is shown as the figure below:



Figure 9: Reboot the Module Automatically After the Firmware Is Downloaded



# 3 Appendix Reference

**Table 1: Terms and Abbreviations** 

Abbreviation	Description	
APP	Application	
IoT	Internet of Things	
SDK	Software Development Kit	
USB	SB Universal Serial Bus	