

# Quectel RM551E-GL

IoT/eMBB-Optimized

5G Sub-6 GHz & mmWave M.2 Module



## RM551E-GL-00AA

## Release Notes

### 5G Module Series

Rev. RM551E-GL-00AA\_Firmware\_Release\_Notes\_V0102\_01.001.01.001

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**Our aim is to provide customers with timely and comprehensive service. For any assistance, please contact our company headquarters:**

**Quectel Wireless Solutions Co., Ltd.**

Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai 200233, China

Tel: +86 21 5108 6236

Email: [info@quectel.com](mailto:info@quectel.com)

**Or our local office. For more information, please visit:**

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## 1. Release Content

This document provides the Release Notes for RM551E-GL-00AA. The current release includes the following firmware package.

Package	Firmware Version	Configuration Version
Firmware	RM551EGL00AAR01A02M8G	01.001.01.001

## 2. Matters Needing Attention

SN	Item
[1]	To extend the service life of flash, it is recommended that the total number of operations related to powering on/off the module, CFUN switching, SIM card hot swapping, dual-SIM switching, or repeated execution of NVM commands should not exceed 30 times per day.
[2]	It is not recommended to directly modify the pre-set APN profiles. Please create an APN profile after the existed CID number. Suppose you modify the APN profile of IMS, SOS, etc. with added specific attributes, these attributes are hidden after modification, causing the profile to still be unavailable.
[3]	During the FOTA upgrade process, it is necessary to ensure the stable power supply of the module. If the power is disconnected during the upgrade, there is a small probability that the flash will be damaged.
4]	Windows Host driver integrates the NDIS driver and RNDIS driver, and uses PID to specify different network interfaces. The PID supported by NDIS network interface is 0x0122, and the PID supported by RNDIS network interface is 0x0133. If <b>AT+QCFG="USBCFG"</b> is executed for the relevant configuration, the <b>&lt;PID&gt;</b> parameter in the command must be set according to the network interface to prevent the yellow label problem.
[5]	M.2 module is encapsulated without SPI, and SLIC cannot be mounted on the module.
[6]	The firmware version whose description is "only for sample" is only used for debugging, and is prohibited from mass production, certification or any other purposes.

### 3. Release History

#### 3.1. Firmware Release History

Firmware Version	Configuration Version	Description
RM551EGL00AAR01A02M8G	01.001.01.001	Only for sample
RM551EGL00AAR01A01M8G	01.001.01.001	Only for sample

#### 3.2. New Features

RM551EGL00AAR01A02M8G_01.001.01.001	
Item	Brief Description
General	Supported the use of UCI commands to configure whether the execution information of AT commands is output to dmesg logs.
RM551EGL00AAR01A01M8G_01.001.01.001	
Item	Brief Description
/	/

#### 3.3. Improved Features

RM551EGL00AAR01A02M8G_01.001.01.001	
Item	Brief Description
Network	Solved the problem of IP passthrough failure when performing an RNDIS dial-up on Windows system.
Network	Solved the probabilistic problem of IPA failure during WAN-LAN data transmission.
RM551EGL00AAR01A01M8G_01.001.01.001	
Item	Brief Description

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### 3.4. Known Issues

Item	Bug Description
/	/

#### NOTE

Verification Environment is shown below. For more details, please contact Quectel Technical Support.

For Windows: Windows10

USB Driver: Quectel\_Windows\_USB\_Driver(Q)\_V1.0.2

Qflash Tool: QFlash\_V7.0

For Linux:

QMI\_WWAN Driver: Quectel\_Linux\_Android\_QMI\_WWAN\_Driver\_V1.2.6

GobiNet Driver: GobiNet\_Lateset

QFirehose Tool: QFirehose\_Linux\_Android\_V1.4.19

Quectel-CM Tool: Quectel\_QConnectManager\_Linux\_V1.6.0.26

QLog Tool: QLog\_Linux\_Android\_V1.5.21

## 4. Functions List

Category	Item	Supported Version (Since)	Note
Basic Function	Data Call	RM551EGL00AAR01A01M8G_01.001.01.001	/
	Diagnosis	RM551EGL00AAR01A01M8G_01.001.01.001	/
	Thermal Management	RM551EGL00AAR01A01M8G_01.001.01.001	/
	PHB	RM551EGL00AAR01A01M8G_01.001.01.001	/
	Upgrade	RM551EGL00AAR01A01M8G_01.001.01.001	/
	FOTA	RM551EGL00AAR01A02M8G_01.001.01.001	/
	SMS	RM551EGL00AAR01A01M8G_01.001.01.001	/
Interface Function	PCIe	RM551EGL00AAR01A01M8G_01.001.01.001	/
	USB	RM551EGL00AAR01A01M8G_01.001.01.001	/
Interface Protocol	ECM	RM551EGL00AAR01A01M8G_01.001.01.001	/
	RNDIS	RM551EGL00AAR01A01M8G_01.001.01.001	/
Locate Function	AGPS	RM551EGL00AAR01A01M8G_01.001.01.001	/
Protocol Function	QMI	RM551EGL00AAR01A01M8G_01.001.01.001	/
RF Function	FTM	RM551EGL00AAR01A01M8G_01.001.01.001	/
Security Function	Secure Boot	RM551EGL00AAR01A01M8G_01.001.01.001	Disabled by default.
	Secure Debugging	RM551EGL00AAR01A02M8G_01.001.01.001	/
SIM Function	SIMlock	RM551EGL00AAR01A01M8G_01.001.01.001	/
	(U)SIM	RM551EGL00AAR01A01M8G_01.001.01.001	/
	(U)SIM Hotswap	RM551EGL00AAR01A01M8G_01.001.01.001	/
	DSSS	RM551EGL00AAR01A01M8G_01.001.01.001	/
Special	Slice	RM551EGL00AAR01A01M8G_01.001.01.001	/



Function	5G LAN	RM551EGL00AAR01A01M8G_01.001.01.001	/
	Low Power	RM551EGL00AAR01A01M8G_01.001.01.001	/

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