

# Quectel RM520N-GL

IoT/eMBB-Optimized

5G Sub-6 GHz M.2 Module



# RM520N-GL-AA

## Release Notes

### 5G Module Series

Rev. RM520N-GL-AA\_Firmware\_Release\_Notes\_V0301\_A0.200.A0.200

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## 1. Release Content

This document provides the Release Notes for RM520N-GL-AA. The current release includes the firmware package.

Package	Firmware Version	Configuration Version
Firmware	RM520NGLAAR03A01M4G	A0.200.A0.200

## 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]	M.2 module is encapsulated without SPI, and SLIC cannot be mounted on the module.
[5]	The new firmware version cannot be downgraded to versions released before RM520NGLAAR03A01M4G_A0.200.A0.200, otherwise the module will not be able to work normally.

### 3. Release History

#### 3.1. Firmware Release History

Firmware Version	Configuration version	Description
RM520NGLAAR03A01M4G	A0.200.A0.200	Mass production

#### 3.2. New Features

RM520NGLAAR03A01M4G_A0.200.A0.200	
Item	Brief Description
NETWORK	Relevant technical controls have been carried out to restrict normal network registration in regions such as RUS and IRN, thus ensuring that the module can be used only for civilian applications.
GENERAL	Merged the secure code for FS.
GENERAL	The new firmware version cannot be downgraded to previous versions, otherwise the module will not be able to work normally.

#### 3.3. Improved Features

RM520NGLAAR03A01M4G_A0.200.A0.200	
Item	Brief Description
/	/

### 3.4. Known Issues

Item	Bug Description
/	/

#### NOTE

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

For Windows: Windows 10 21H2

USB Driver: Quectel\_Windows\_USB\_Driver(Q)\_NDIS\_V2.4.6.zip

Qflash Tool: QFlash\_V6.1

For Linux: ubuntu16.04

QMI\_WWAN Driver: Quectel\_Linux&Android\_QMI\_WWAN\_Driver\_V1.2.1.zip

GobiNet Driver: Quectel\_Linux&Android\_GobiNet\_Driver\_V1.6.3.zip

PCIE Driver: Quectel\_Linux\_PCIE\_MHI\_Driver\_V1.3.1.zip

QFirehose Tool: Quectel\_LTE&5G\_QFirehose\_Linux&Android\_V1.4.10.zip

Quectel-CM Tool: Quectel\_QConnectManager\_Linux\_V1.6.1.zip

QLog Tool: Quectel\_QLog\_Linux&Android\_V1.4.17.zip

For IPQ:

Quectel PCIE Driver: Quectel\_Linux\_PCIE\_MHI\_Driver\_V1.3.0.15.zip

## 4. Functions List

Category	Item	Supported Version (Since)	Note
Basic Function	Diagnosis	RM520NGLAAR03A01M4G_A0.200.A0.200	/
	Thermal Management	RM520NGLAAR03A01M4G_A0.200.A0.200	/
	PHB	RM520NGLAAR03A01M4G_A0.200.A0.200	/
	Upgrade	RM520NGLAAR03A01M4G_A0.200.A0.200	/
	FOTA	RM520NGLAAR03A01M4G_A0.200.A0.200	/
Interface Function	SMS	RM520NGLAAR03A01M4G_A0.200.A0.200	/
	PCIe	RM520NGLAAR03A01M4G_A0.200.A0.200	/
Interface Protocol	USB	RM520NGLAAR03A01M4G_A0.200.A0.200	/
	RmNet	RM520NGLAAR03A01M4G_A0.200.A0.200	/
Locate Function	MBIM	RM520NGLAAR03A01M4G_A0.200.A0.200	/
	AGPS	RM520NGLAAR03A01M4G_A0.200.A0.200	/
Protocol Function	QMI	RM520NGLAAR03A01M4G_A0.200.A0.200	/
RF Function	FTM	RM520NGLAAR03A01M4G_A0.200.A0.200	/
Security Function	Secure Boot	RM520NGLAAR03A01M4G_A0.200.A0.200	/
	Secure Login	RM520NGLAAR03A01M4G_A0.200.A0.200	/
SIM Function	SIMlock	RM520NGLAAR03A01M4G_A0.200.A0.200	/
	(U)SIM	RM520NGLAAR03A01M4G_A0.200.A0.200	/
	(U)SIM Hotswap	RM520NGLAAR03A01M4G_A0.200.A0.200	/
	DSSS	RM520NGLAAR03A01M4G_A0.200.A0.200	/
Special Function	eSIM	RM520NGLAAR03A01M4G_A0.200.A0.200	/
	SAR	RM520NGLAAR03A01M4G_A0.200.A0.200	/
	Slice	RM520NGLAAR03A01M4G_A0.200.A0.200	/

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UAC	RM520NGLAAR03A01M4G_A0.200.A0.200	/
Smart TX	RM520NGLAAR03A01M4G_A0.200.A0.200	/
Low Power	RM520NGLAAR03A01M4G_A0.200.A0.200	/

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