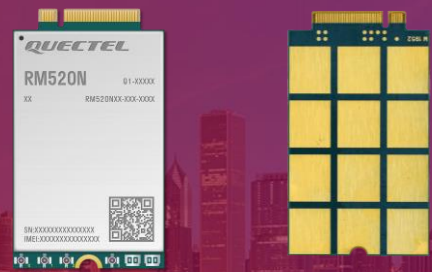


Quectel RM520N-GL

IoT/eMBB-Optimized

5G Sub-6 GHz M.2 Module



RM520N-GL-AA_A

Release Notes

5G Module Series

Rev. RM520N-GL-AA_A_Firmware_Release_Notes_V0302

Date: 2023-11-06

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

<http://www.quectel.com/support/sales.htm>.

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<http://www.quectel.com/support/technical.htm>

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1. Release Content

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

Package	Version
Firmware	RM520NGLAAR03A02M4GA

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.

3. Release History

3.1. Firmware Release History

Firmware Release	Description
RM520NGLAAR03A02M4GA	Mass production
RM520NGLAAR03A01M4GA	Mass production

3.2. New Features

RM520NGLAAR03A02M4GA	
Item	Brief Description
GENERAL	Added the following AT commands:
	<ul style="list-style-type: none"> ● AT+QRSSI to obtain the RSSI of the current service network of the module. ● AT+QSMSCFG="sms_num" to set the maximum SMS storage space for the module.
RM520NGLAAR03A01M4GA	
Item	Brief Description
GENERAL	Integrated the change list for Telstra certification.

3.3. Improved Features

RM520NGLAAR03A02M4GA	
Item	Brief Description
NETWORK	Updated the format of the return result of AT+QNWCFG="nr5g_mimo_info" to solve the problem that the returned result of AT+QNWCFG="nr5g_mimo_info" was incorrect.
GENERAL	Solved the problem that an error might be reported when AT+QESIM="profile" was executed to switch profile.

GENERAL Not allowed to disable SA functionality through
AT+QNWPREFCFG="nr5g_disable_mode" on Verizon network.

RM520NGLAAR03A01M4GA

Item	Brief Description
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/	/
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3.4. Known Issues

Item	Bug Description
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NOTE

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

For Windows:

USB Driver: Quectel_Windows_USB_Driver(Q)_NDIS_V2.4.6.zip

Qflash Tool: QFlash_V6.1.zip

For Linux:

QMI_WWAN Driver: Quectel_Linux_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_V1.4.11.zip

Quectel-CM Tool: Quectel_QConnectManager_Linux_V1.6.5.zip

QLog Tool: Quectel_QLog_Linux&Android_V1.5.14.zip

4. Functions List

Category	Item	Supported Version (Since)	Note
Basic Function	Diagnosis	RM520NGLAAR03A01M4GA	/
	Thermal Management	RM520NGLAAR03A01M4GA	/
	PHB	RM520NGLAAR03A01M4GA	/
	Upgrade	RM520NGLAAR03A01M4GA	/
	FOTA	RM520NGLAAR03A01M4GA	/
	SMS	RM520NGLAAR03A01M4GA	/
Interface Function	PCIe	RM520NGLAAR03A01M4GA	/
	USB	RM520NGLAAR03A01M4GA	/
	UART	RM520NGLAAR03A01M4GA	/
Interface Protocol	RmNet	RM520NGLAAR03A01M4GA	/
	MBIM	RM520NGLAAR03A01M4GA	/
Locate Function	AGPS	RM520NGLAAR03A01M4GA	/
Protocol Function	QMI	RM520NGLAAR03A01M4GA	/
RF Function	FTM	RM520NGLAAR03A01M4GA	/
Security Function	Secure Login	RM520NGLAAR03A01M4GA	/
SIM Function	SIMlock	RM520NGLAAR03A01M4GA	/
	(U)SIM	RM520NGLAAR03A01M4GA	/
	(U)SIM Hotswap	RM520NGLAAR03A01M4GA	/
	DSSS	RM520NGLAAR03A01M4GA	/
	SAR	RM520NGLAAR03A01M4GA	/
Special Function	Slice	RM520NGLAAR03A01M4GA	/
	Low Power	RM520NGLAAR03A01M4GA	/

About Quectel

Quectel Wireless Solutions is the leading global supplier of cellular and GNSS modules, with a broad product portfolio covering the most recent wireless technologies of 5G, LTE/LTE-A, NB-IoT/LTE-M, UMTS/HSPA(+), GSM/GPRS and GNSS. As a professional IoT (Internet of Things) technology developer and cellular module supplier, Quectel is able to provide one-stop services for IoT cellular modules. Quectel products have been widely applied in IoT/M2M fields including smart payment, telematics and transport, smart energy, smart cities, security, wireless gateways, industry, healthcare, agriculture, and environment monitoring.

