

Quectel RM530N-GL

IoT/eMBB-Optimized

5G Sub-6 GHz M.2 Module



RM530N-GL-AA

Release Notes

5G Module Series

Rev. RM530N-GL-AA_Firmware_Release_Notes_V0501_01.200.01.200

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Contents

Contents	2
1. Release Content	3
2. Matters Needing Attention	3
3. Release History	4
3.1. Firmware Release History	4
3.2. New Features	4
3.3. Improved Features	5
3.4. Known Issues	6
4. Functions List.....	7

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1. Release Content

This document provides the Release Notes for RM530N-GL-AA. The current firmware includes the software firmware package.

Package	Firmware Version	Configuration Version
Firmware	RM530NGLAAR05A01M4G	01.200.01.200

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 RM530NGLAAR03A02M4G_01.200.01.200, otherwise the module will not be able to work normally.

3. Release History

3.1. Firmware Release History

Firmware Version	Configuration Version	Description
RM530NGLAAR05A01M4G	01.200.01.200	Mass production
RM530NGLAAR03A02M4G	01.200.01.200	Only for sample
RM530NGLAAR01A02M4G	01.001.01.001	Only for sample

3.2. New Features

RM530NGLAAR05A01M4G_01.200.01.200	
Item	Brief Description
/	/
RM530NGLAAR03A02M4G_01.200.01.200	
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	The new firmware version cannot be downgraded to previous versions, otherwise the module will not be able to work normally.
RM530NGLAAR01A02M4G_01.001.01.001	
Item	Brief Description
/	/

3.3. Improved Features

RM530NGLAAR05A01M4G_01.200.01.200

Item	Brief Description
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GENERAL	Updated the baseline version from R03 to R05.
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RM530NGLAAR03A02M4G_01.200.01.200

Item	Brief Description
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/	/
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RM530NGLAAR01A02M4G_01.001.01.001

Item	Brief Description
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/	/
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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,

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_V1.3.5.zip

QFirehose Tool: Quectel_LTE&5G_QFirehose_Linux&Android_V1.4.17.zip

Quectel-CM Tool: Quectel_QConnectManager_Linux_V1.6.6.zip

QLog Tool: Quectel_QLog_Linux&Android_V1.5.11.zip

4. Functions List

Category	Item	Supported Version (Since)	Note
Basic Function	Network	RM530NGLAAR01A02M4G_01.001.01.001	/
File Function	UFS	RM530NGLAAR01A02M4G_01.001.01.001	/
Protocol Function	QMI	RM530NGLAAR01A02M4G_01.001.01.001	/
	NITZ	RM530NGLAAR01A02M4G_01.001.01.001	/
	LwM2M	RM530NGLAAR01A02M4G_01.001.01.001	/
Interface Function	UART	RM530NGLAAR01A02M4G_01.001.01.001	/
	USB	RM530NGLAAR01A02M4G_01.001.01.001	/
	MBIM	RM530NGLAAR01A02M4G_01.001.01.001	/
	RmNet	RM530NGLAAR01A02M4G_01.001.01.001	/
	PCIE	RM530NGLAAR01A02M4G_01.001.01.001	/
Locate Function	AGPS	RM530NGLAAR01A02M4G_01.001.01.001	/
Upgrade Function	DFOTA	RM530NGLAAR01A02M4G_01.001.01.001	/
SIM Function	DSSS	RM530NGLAAR01A02M4G_01.001.01.001	/
	(U)SIM Detection	RM530NGLAAR01A02M4G_01.001.01.001	/
Special Function	Wi-Fi 6	RM530NGLAAR01A02M4G_01.001.01.001	/
	Low Power	RM530NGLAAR01A02M4G_01.001.01.001	/
	RF RX FTM	RM530NGLAAR01A02M4G_01.001.01.001	/
	RF TX FTM	RM530NGLAAR01A02M4G_01.001.01.001	/
	Thermal Mitigation	RM530NGLAAR01A02M4G_01.001.01.001	/
5G Function	5G	RM530NGLAAR01A02M4G_01.001.01.001	/

About Quectel

Quectel's passion for a smarter world drives us to accelerate IoT innovation. As a highly customer-centric organization, we are a global IoT solution provider backed by outstanding support and services. Our growing global team of 5,900 professionals sets the pace for innovation in cellular, automotive, smart, GNSS, satellite, Wi-Fi and Bluetooth modules as well as antennas and services.

With regional offices and support across the globe, our international leadership is devoted to advancing IoT and building a smarter world.

