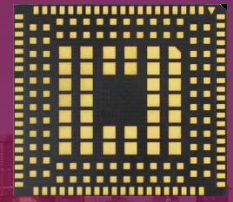


Quectel RG255C Series

5G RedCap Sub-6 GHz

LGA Module



RG255C-GL-AB

Release Notes

5G Module Series

Rev. RG255C-GL-AB_Firmware_Release_Notes_V0108_

A0.001.A0.001

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1. Release Content

This document provides the Release Notes for RG255C-GL-AB. The current firmware includes the following firmware package.

Package	Firmware Version	Configuration Version
Firmware	RG255CGLABR01A08M4G	A0.001.A0.001

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 probability that the upgrade will fail, resulting in the module unable to boot, or there is a probability that the flash will be damaged.
[4]	The current firmware version supports Secure Boot and Secure Debugging, and the Quectel signature is included in the security firmware versions by default. Whether Secure Boot is enabled by default when the firmware version is shipped from the factory depends on the OC you select. Secure Debugging is disabled by default and you can enable it with AT commands as required.
[5]	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
RG255CGLABR01A08M4G	A0.001.A0.001	Mass Production

3.2. New Features

RG255CGLABR01A08M4G_A0.001.A0.001	
Item	Brief Description
SECURE BOOT	Added Secure Boot.
SECURE DEBUGGING	Added Secure Debugging.

3.3. Improved Features

RG255CGLABR01A08M4G_A0.001.A0.001	
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,

USB Driver: Quectel_Windows_USB_Driver(Q)_NDIS_V2.7.6

Qflash Tool: QFlash_V6.8

Qwinlog Tool: QWinLog_V1.8.23

For Linux:

QMI_WWAN Driver: Quectel_Linux_Android_QMI_WWAN_Driver_V1.2.7

QFirehose Tool: QFirehose_Linux_Android_V1.4.18

Quectel-CM Tool: Quectel_QConnectManager_Linux_V1.6.7

QLog Tool: QLog_Linux_Android_V1.5.22

4. Functions List

Category	Item	Supported Version (Since)	Note
Audio Function	Audio	RG255CGLABR01A08M4G_A0.001.A0.001	/
	Codec	RG255CGLABR01A08M4G_A0.001.A0.001	/
	DTMF	RG255CGLABR01A08M4G_A0.001.A0.001	/
	SLIC	RG255CGLABR01A08M4G_A0.001.A0.001	/
Basic Function	Data Call	RG255CGLABR01A08M4G_A0.001.A0.001	/
	Diagnosis	RG255CGLABR01A08M4G_A0.001.A0.001	/
	Emergency Call	RG255CGLABR01A08M4G_A0.001.A0.001	/
	Thermal Management	RG255CGLABR01A08M4G_A0.001.A0.001	/
	Voice	RG255CGLABR01A08M4G_A0.001.A0.001	/
	VoLTE	RG255CGLABR01A08M4G_A0.001.A0.001	/
	USSD	RG255CGLABR01A08M4G_A0.001.A0.001	/
	VoNR	RG255CGLABR01A08M4G_A0.001.A0.001	/
	FILE	RG255CGLABR01A08M4G_A0.001.A0.001	/
	Upgrade	RG255CGLABR01A08M4G_A0.001.A0.001	/
	FOTA	RG255CGLABR01A08M4G_A0.001.A0.001	/
	SMS	RG255CGLABR01A08M4G_A0.001.A0.001	/
Interface Function	SPI	RG255CGLABR01A08M4G_A0.001.A0.001	/
	I2C	RG255CGLABR01A08M4G_A0.001.A0.001	/
	PCIe	RG255CGLABR01A08M4G_A0.001.A0.001	/

		01	
	USB	RG255CGLABR01A08M4G_A0.001.A0.0 01	/
	SGMII	RG255CGLABR01A08M4G_A0.001.A0.0 01	/
	UART	RG255CGLABR01A08M4G_A0.001.A0.0 01	/
Interface Protocol	ECM	RG255CGLABR01A08M4G_A0.001.A0.0 01	/
	RmNet	RG255CGLABR01A08M4G_A0.001.A0.0 01	/
	RNDIS	RG255CGLABR01A08M4G_A0.001.A0.0 01	/
Locate Function	AGPS	RG255CGLABR01A08M4G_A0.001.A0.0 01	/
Protocol Function	NTP	RG255CGLABR01A08M4G_A0.001.A0.0 01	/
	NITZ	RG255CGLABR01A08M4G_A0.001.A0.0 01	/
	TCP	RG255CGLABR01A08M4G_A0.001.A0.0 01	/
	HTTP(S)	RG255CGLABR01A08M4G_A0.001.A0.0 01	/
	DTLS	RG255CGLABR01A08M4G_A0.001.A0.0 01	/
	SMTP(S)	RG255CGLABR01A08M4G_A0.001.A0.0 01	/
	PING	RG255CGLABR01A08M4G_A0.001.A0.0 01	/
	SSL/TLS	RG255CGLABR01A08M4G_A0.001.A0.0 01	/
	LwM2M	RG255CGLABR01A08M4G_A0.001.A0.0 01	/
	MQTT(S)	RG255CGLABR01A08M4G_A0.001.A0.0 01	/
	UDP	RG255CGLABR01A08M4G_A0.001.A0.0 01	/
	PPP	RG255CGLABR01A08M4G_A0.001.A0.0 01	/
	QMI	RG255CGLABR01A08M4G_A0.001.A0.0 01	/
	FTP(S)	RG255CGLABR01A08M4G_A0.001.A0.0 01	/

RF Function	FTM	RG255CGLABR01A08M4G_A0.001.A0.001	/
Security Function	Secure Boot	RG255CGLABR01A08M4G_A0.001.A0.001	Support Secure Boot and Secure Debugging
	Secure Debugging	RG255CGLABR01A08M4G_A0.001.A0.001	
	Secure Login	RG255CGLABR01A08M4G_A0.001.A0.001	/
SIM Function	SIMlock	RG255CGLABR01A08M4G_A0.001.A0.001	/
	(U)SIM	RG255CGLABR01A08M4G_A0.001.A0.001	/
	(U)SIM Hotswap	RG255CGLABR01A08M4G_A0.001.A0.001	/
	DSSS	RG255CGLABR01A08M4G_A0.001.A0.001	/
	eSIM	RG255CGLABR01A08M4G_A0.001.A0.001	/
Special Function	SAR	RG255CGLABR01A08M4G_A0.001.A0.001	/
	Time Service	RG255CGLABR01A08M4G_A0.001.A0.001	/
	Slice	RG255CGLABR01A08M4G_A0.001.A0.001	/
	URLLC	RG255CGLABR01A08M4G_A0.001.A0.001	/
	TTS	RG255CGLABR01A08M4G_A0.001.A0.001	/
	Smart TX	RG255CGLABR01A08M4G_A0.001.A0.001	/
	Low Power	RG255CGLABR01A08M4G_A0.001.A0.001	/

About Quectel

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

