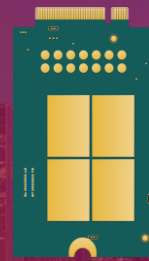


Quectel RM550V-GL

IoT/eMBB-Optimized

5G Sub-6 GHz M.2 Module



RM550V-GL-01AA

Release Notes

5G Module Series

Rev. RM550V-GL-01AA_Firmware_Release_Notes_V0102_01.001.01.001

Date: 2024-06-06

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

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

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

For technical support, or to report documentation errors, please visit:

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

Or email to support@quectel.com.

Disclaimer

While Quectel has made efforts to assure the accuracy of this document, unless otherwise provided by valid agreement, Quectel assumes no liability resulting from any inaccuracies or omissions in this document, or from use of the information obtained herein. Quectel reserves the right to make changes to any contents described herein and reserves the right to revise this document and to make changes from time to time in content hereof with no obligation to notify any person of revisions or changes. Before using any updated software, please read this statement carefully. By accessing or using the said software you irrevocably and unconditionally accept and confirm that you agree to be bound by this statement. In the event you disagree with any provision hereof and would not like to be bound by this statement you shall cease use of the said software immediately.

Duty of Confidentiality

The Receiving Party shall keep confidential all documentation and information provided by Quectel, except when the specific permission has been granted by Quectel. The Receiving Party shall not access or use Quectel's documentation and information for any purpose except as expressly provided herein. Furthermore, the Receiving Party shall not disclose any of the Quectel's documentation and information to any third party without the prior written consent by Quectel. For any noncompliance to the above requirements, unauthorized use, or other illegal or malicious use of the documentation and information, Quectel will reserve the right to take legal action.

Copyright

The information contained here is proprietary technical information of Quectel Wireless Solutions Co., Ltd. Transmitting, reproducing, disseminating and editing this document as well as using the content without permission are forbidden. Offenders will be held liable for payment of damages. All rights are reserved in the event of a patent grant or registration of a utility model or design.

Copyright © Quectel Wireless Solutions Co., Ltd. 2024. All rights reserved.

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	4
3.4. Known Issues	5
4. Functions List.....	6

Quectel
Confidential

1. Release Content

This document provides the Release Notes for RM550V-GL-01AA. The current firmware includes the following software firmware package.

Package	Firmware Version	Configuration Version
Firmware	RM550VGL01AAR01A02G8G	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]	M.2 module is encapsulated without SPI, and SLIC cannot be mounted on the module.
[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 AT+QCFG="USBCFG" is executed for the relevant configuration, the <PID> parameter in the command must be set according to the network interface to prevent the yellow label problem.

3. Release History

3.1. Firmware Release History

Firmware Version	Configuration Version	Description
RM550VGL01AAR01A02G8G	01.001.01.001	Only for sample

3.2. New Features

RM550VGL01AAR01A02G8G_01.001.01.001	
Item	Brief Description
/	/

3.3. Improved Features

RM550VGL01AAR01A02G8G_01.001.01.001	
Item	Brief Description
/	/

3.4. Known Issues

Item	Bug Description
PCIe	PCIe EP mode is not supported.
General	The backup and restoration function is not supported.

NOTE

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

For Windows,

USB Driver:

Qflash Tool:

For Linux,

QMI_WWAN Driver:

GobiNet Driver:

PCIE Driver:

QFirehose Tool:

Quectel-CM Tool:

QLog Tool:

For IPQ,

Quectel PCIE Driver:

4. Functions List

Category	Item	Supported Version (Since)	Note
Basic Function	Data Call	RM550VGL01AAR01A02G8G_01.001.01.001	/
	Diagnosis	RM550VGL01AAR01A02G8G_01.001.01.001	/
	Emergency Call	RM550VGL01AAR01A02G8G_01.001.01.001	/
	Thermal Management	RM550VGL01AAR01A02G8G_01.001.01.001	/
	Voice	RM550VGL01AAR01A02G8G_01.001.01.001	/
	VoLTE	RM550VGL01AAR01A02G8G_01.001.01.001	/
	VoNR	RM550VGL01AAR01A02G8G_01.001.01.001	/
	PHB	RM550VGL01AAR01A02G8G_01.001.01.001	/
	Upgrade	RM550VGL01AAR01A02G8G_01.001.01.001	/
	FOTA	RM550VGL01AAR01A02G8G_01.001.01.001	/
Interface Function	SMS	RM550VGL01AAR01A02G8G_01.001.01.001	/
	USXGMI	RM550VGL01AAR01A02G8G_01.001.01.001	/
	PCIe	RM550VGL01AAR01A02G8G_01.001.01.001	/
	USB	RM550VGL01AAR01A02G8G_01.001.01.001	/
	SGMII	RM550VGL01AAR01A02G8G_01.001.01.001	/
Interface Protocol	UART	RM550VGL01AAR01A02G8G_01.001.01.001	/
	ECM	RM550VGL01AAR01A02G8G_01.001.01.001	/
	RmNet	RM550VGL01AAR01A02G8G_01.001.01.001	/
Locate Function	RNDIS	RM550VGL01AAR01A02G8G_01.001.01.001	/
	AGPS	RM550VGL01AAR01A02G8G_01.001.01.001	/
Protocol Function	NTP	RM550VGL01AAR01A02G8G_01.001.01.001	/
	NITZ	RM550VGL01AAR01A02G8G_01.001.01.001	/

	TCP	RM550VGL01AAR01A02G8G_01.001.01.001	/
	UDP	RM550VGL01AAR01A02G8G_01.001.01.001	/
	QMI	RM550VGL01AAR01A02G8G_01.001.01.001	/
	FTP	RM550VGL01AAR01A02G8G_01.001.01.001	/
RF Function	FTM	RM550VGL01AAR01A02G8G_01.001.01.001	/
Security Function	Secure Boot	RM550VGL01AAR01A02G8G_01.001.01.001	/
SIM Function	SIMlock	RM550VGL01AAR01A02G8G_01.001.01.001	/
	(U)SIM	RM550VGL01AAR01A02G8G_01.001.01.001	/
	(U)SIM Hotswap	RM550VGL01AAR01A02G8G_01.001.01.001	/
	DSSS	RM550VGL01AAR01A02G8G_01.001.01.001	/
	eSIM	RM550VGL01AAR01A02G8G_01.001.01.001	/
Special Function	SAR	RM550VGL01AAR01A02G8G_01.001.01.001	/
	Time Service	RM550VGL01AAR01A02G8G_01.001.01.001	/
	Slice	RM550VGL01AAR01A02G8G_01.001.01.001	/
	uRLLC	RM550VGL01AAR01A02G8G_01.001.01.001	/
	SUL	RM550VGL01AAR01A02G8G_01.001.01.001	/
	5G LAN	RM550VGL01AAR01A02G8G_01.001.01.001	/
	UAC	RM550VGL01AAR01A02G8G_01.001.01.001	/
	Smart TX	RM550VGL01AAR01A02G8G_01.001.01.001	/
	Low Power	RM550VGL01AAR01A02G8G_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.

