

Quectel EG915U-EU

IoT/M2M-optimized

LTE Cat 1 Modules



EG915U-EU-AB

Release Notes

LTE Standard Module Series

Rev. EG915U-EU-AB_Firmware_Release_Notes_V0205_01.001.01.001

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1. Release Content

This document provides the Release Notes for EG915U-EU-AB. The current release includes the firmware package.

Package	Version
Firmware	EG915UEUABR02A05M08_01.001.01.001

2. Matters Needing Attention

SN	Item
/	/

3. Release History

3.1. Firmware Release History

Firmware Version	Description
EG915UEUABR02A05M08_01.001.01.001	Mass production
EG915UEUABR02A04M08_01.001.01.001	Mass production
EG915UEUABR02A03M08_01.001.01.001	Only for sample.
EG915UEUABR02A02M08_01.001.01.001	Only for sample.
EG915UEUABR02A01M08_01.001.01.001	For CS.

3.2. New Features

EG915UEUABR02A05M08_01.001.01.001	
Item	Brief Description
FTP	Added a buffer for FTP resuming download.
NETWORK	Added AT command AT+CSCON to get RRC connection status or enable reporting an URC to indicate RRC connection status.
NETWORK	Added AT command AT+QDMZ to support DMZ feature.
PSM	Enabled PSM.
QuecLocator 2.0	Added AT+QLBS to support for automatic positioning via WIFI.
SIMCARD	Supported dual card single standby to be enabled/disabled by AT+QDSIMCFG="dsss",1/0 .
SMS	Added AT command AT+QCMRC to set the number of retries after SMS sending fails.
SMTP	Supported SMTP.
GENERAL	Added AT+QCFG="dftpdn" to configure the default bearer APN.
EG915UEUABR02A04M08_01.001.01.001	

Item	Brief Description
/	/
EG915UEUABR02A03M08_01.001.01.001	
Item	Brief Description
FTP	Added the AT command AT+QFTPCFG="data_address" to configure the FTP data connection address selection.
EG915UEUABR02A02M08_01.001.01.001	
Item	Brief Description
/	/
EG915UEUABR02A01M08_01.001.01.001	
Item	Brief Description
/	/

3.3. Improved Features

EG915UEUABR02A05M08_01.001.01.001	
Item	Brief Description
DFOTA	Corrected FOTA Task event ID.
DFOTA	Solved the problem of no +QIND: "FOTA","START" reported after turning off the FOTA upgrade related URC report.
FILE	Lifted the limit on the number of directory levels for uploading files and creating directories.
FILE	Fixed the low probability problem of file closing failure when opening and closing files frequently.
FILE	Add UFS: prefix in AT+QFLST response to list UFS files.
FTP	Solved the low probability problem of FTP request failure due to first socket closed.
HTTP	Corrected the return value format of AT+QHTTPPOST .
HTTP	Solved the problem that data could not be output normally if data ends with \r\n when URC output HTTP data to the serial port.
NETWORK	Supported connecting the usbnet automatically in GSM.

TCP/UDP	Solved the problem that TCP/UDP application layer may not receive the downlink data.
TCP/UDP	Solved the problem that under weak signal, data transfer in TCP transparent transmission mode may lose.
TCP/UDP	Fixed the problem that module may fail to download when the base station cached the server data.
GENERAL	Optimize AT+COPS? command response time.
GENERAL	Optimized Data call activation and deactivation.

EG915UEUABR02A04M08_01.001.01.001

Item	Brief Description
FTP	Optimized FTP related AT commands processing flow.
FILE	Optimized the data processing flow of files uploaded via AT+QFUP .
FILE	Optimized file upload feature to upgrade the firmware normally after the delta packets was uploaded to UFS.
HTTP	Optimized URC reporting process after enabling auto output HTTP response.
HTTP	Fixed the problem that there was no response from AT+QHTTPGETEX .
HTTP	Solved the problem that the serial port may not work normally when AT+QHTTPSTOP executed before URC reported from AT+QHTTPGET .
HTTP	Optimized the HTTP memory request exception handling process.
MQTT	Optimized MQTT data analysis process.
MQTT	Optimized the AT+QMTOPEN exception handling mechanism and process.
MQTT	Optimized MQTT data analysis process.
MQTT	Solved the problem that there was no error reported if an extra parameter configured in AT+QMTCFG command.
NTP	Optimized AT+QNT command processing flow and corrected the number of retries and retry interval.
SMS	Fixed the return format of AT+CMGR and AT+CMGL commands.
TCP/UDP	Optimized the management for the activated PDP within the module.
GENERAL	Fixed the return format of AT+CEER command.

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Item	Brief Description
FTP	1. Fixed the problem that an error was reported when AT+QFTPCWD switched FTP(S) server directory.

	2. Fixed the problem that an error was reported when AT+QFTPOPEN set the IPv6 address without [].
FTP	Optimized the data processing flow of AT+QFTPPUT uploading files from the serial port to the server.
HTTP	Solved the problem that AT+QHTTPGET may fail to send GET requests to HTTP(S) server if the redirect occurred.
HTTP	Fixed the problem that data to be read to the serial port by AT+QHTTPREAD may lose sometimes.
TCP SSL	Solved the problem that AT+QSSLCFG configuration could not take effect before RDY reported at booting.
TCP/UDP	Solved the problem that under weak signal, data transfer in TCP transparent transmission mode may lose.
TCP/UDP	Fixed the problem that module may fail to download when the base station cached server data.
TCP/UDP	Optimized AT+QICFG="tcp/retranscfg" to configure the retransmission time.
GENERAL	Added caching mechanism for Nand flash to optimize file writing speed.

EG915UEUABR02A02M08_01.001.01.001

Item	Brief Description
HTTP	Solved the problem that HTTP data download may fail.
TCP/UDP	Solved the problem that the downlink data may not be received in TCP/UDP application layer.

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Item	Brief Description
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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: Win10 64 bit

USB Driver: Quectel_5G_Windows_USB_Driver(U)_For_ECM_RNDIS_V1.0.11

Qflash Tool: QFlash_V5.5

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4. Function List

Category	Item	Supported Version (Since)	Note
Basic Function	SMS	EG915UEUABR02A02M08_01.001.01.001	/
	Voice Call	EG915UEUABR02A02M08_01.001.01.001	/
	CMUX	EG915UEUABR02A02M08_01.001.01.001	/
	FILE	EG915UEUABR02A02M08_01.001.01.001	Supports UFS FILE only.
Protocol Function	TCP/UDP	EG915UEUABR02A02M08_01.001.01.001	/
	PPP	EG915UEUABR02A02M08_01.001.01.001	/
	NITZ	EG915UEUABR02A02M08_01.001.01.001	/
	FTP	EG915UEUABR02A02M08_01.001.01.001	/
	HTTP	EG915UEUABR02A02M08_01.001.01.001	/
	TCP SSL	EG915UEUABR02A02M08_01.001.01.001	/
	MQTT	EG915UEUABR02A02M08_01.001.01.001	/
	NTP	EG915UEUABR02A02M08_01.001.01.001	/
	SMTP	EG915UEUABR02A05M08_01.001.01.001	/
	SIM Detection	EG915UEUABR02A02M08_01.001.01.001	/
Special Function	QuecLocator 2.0	EG915UEUABR02A02M08_01.001.01.001	QuecLocator2.0 is an efficient location technology developed by Quectel, while it's not free, you need pay for it if you would like to use it.
	DFOTA	EG915UEUABR02A02M08_01.001.01.001	/
	ECM	EG915UEUABR02A02M08_01.001.01.001	/
	RNDIS	EG915UEUABR02A02M08_01.001.01.001	/

LowPower	EG915UEUABR02A02M08_01.001.01.001	/
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PSM	EG915UEUABR02A05M08_01.001.01.001	/
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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.

