M66 QuecOpen SDK Release Notes

GSM/GPRS Module Series

Rev. M66_QuecOpen_GS3_SDK_Release_Notes_V2.6

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1. Preamble

This document provides the Release Notes for M66 QuecOpen GS3 SDK version **V2.6**. It describes major changes compared to M66 OpenCPU GS3 SDK version **V2.5**. For a detailed listing of all changes, refer to the M66 OpenCPU User Guide.

2. Matters Needing Attention

SN	Brief Description

3. New Features

Item /Category	Brief description	Since
MQTT	Added the example of MQTT (example_mqtt.c).	V2.5
QuecLocator2.0	Added the example of QLBS (example_location2.c).	V2.4
NTP	Added RIL API for NTP.	V2.3
OTHER	Added the parameter **QL_UART_TX_BUF_SEND_OUT** for **QI_UART_GetOption** to check whether the serial data is sent out or not.	V2.2
OTHER	Added file ril_sim.h, ril_sim.c.	V1.8
STDLIB	Added new API **RIL_GetIMEI(),RIL_NW_GetOperator(),QI_RIL_AT_GetErrCode(), RIL_SIM_GetIMSI()** and **RIL_SIM_GetCCID()**.	V1.8
AUDIO	Added API for DTMF detect and send.	V1.8
OTHER	Implement OCPU wit cloud access, can realize remote control of intelligent hardware.	V1.8
BT	Added BT RIL API and BT example.	V1.6

4. Improved Features

Item/Category	Brief description	Since
MQTT	Optimized the MQTT data receiving function under OPEN.	V2.6
BT	Fixed the bug that the Memory overflow of **RIL_BT_SPP_DirectConn().**	V2.5
QuecLocator2.0	Optimized the example of QLBS (example_location2.c).	V2.5
API	Optimized function **QI_SecureData_Read().**	V2.4
OTHER	Fixed the bug that URC is returned when using "**AT+CREG?/AT+CGREG?**" to query network status.	V2.2
SMS	Fix SMS Data Coding Scheme(DCS) issue.	V2.2
AUDIO	Fixed the bug that setting and querying CLVL failed.	V2.0
SMS	Fixed the bug that failed to read message when a new SMS received, and the time zone of SMS is negative.	V2.0
WatchDog	Improved the function that the PINNAME_PCM_OUT as the M66 default pin for feeding watchdog.	V1.8
OTHER	Fixed the bug that after deactivate a PDP context ID,and then can not get the same context ID again..	V1.8
OTHER	Fixed the bug that call RIL interface will return -3(RIL_AT_BUSY) under the multitasking.	V1.8
ALARM	Fixed the bug that the alarm boot without RING URC reported.	V1.8
OTHER	Rename **RIL_NW_GetSIMCardState()** to **RIL_SIM_GetSimState()**.	V1.8
AUDIO	Added API **RIL_AUD_PlayMemBg()** and **RIL_AUD_StopPlayMemBg()** to Support background play audio data.	V1.8
BT	Fixed the bug that setting the BT device name failed.	V1.8
FTP	Fixed the bug that under condition of two way connection (active and passive), one way connection is disconnected, and the other way will have problem with send and receive data.	V1.8
UART	Added a couple of APIs **QI_UART_RX_Enable()/QI_UART_RX_Disable()** to switch the RX option of UART ports.	V1.6
AUDIO	Added Callback Registration of AUDIO to indicate the play result.	V1.6

5. Known Issues

Item/Category	Brief Description

6. Functions

Basic API								
UART	GPIO	EINT	PWM	ADC	IIC	SPI	CLOCK	Watch Dog
Y	Y	Y	Y	Y	Y	Y	N	Y
SYSTEM	TIME	TIMER	POWER	MEMORY	File System[1]	SOCKET	FOTA	TRACE
Y	Y	Y	Y	Y	Y	Y	Y	Y
STDLIB								
Y								

RIL API								
AT	SMS	CALL	FTP	HTTP	AUDIO[2]	Quec Locator2.0	ALARM	Secure Data
Y	Y	Y	Y	Y	Y	Y	Y	Y
BT[3]	NTP							
Y	Y							

NOTES

1. Y means the SDK supports this function.
2. N means the SDK does not support this function.
3. [1] Supports UFS/RAM/SD FILE.
4. [2] Supports Audio Record/Play.
5. [3] Supports BT 3.0 only, includes SPP, HFP, OPP.
6. Verification Environment is shown below. For more details, please contact Quectel technical support.
   For Windows,
   Qcom Tool: QCOM_V1.6 or QCOM_V1.7_01_Beta4
   Qflash Tool: QFlash_V5.4