

# MC60 OpenCPU SDK

## Release Notes

### **GSM/GPRS/GNSS Module Series**

Rev. MC60\_OpenCPU\_GS3\_SDK\_Release\_Notes\_V1.8

Date: 2020-10-15

## 1. Preamble

This document provides the Release Notes for MC60 OpenCPU GS3 SDK version **V1.8**. It describes major changes compared to MC60 OpenCPU GS3 SDK version **V1.7**. For a detailed listing of all changes, refer to the MC60 OpenCPU Series User Guide.

## 2. Matters Needing Attention

SN	Brief Description
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## 3. New Features

Item /Category	Brief description	Since
<b>GNSS</b>	Added the <b>QI_GNSS_PowerOn</b> interface to obtained the NMEA message in OpenCPU.	V1.4
<b>OTHER</b>	Added the parameter <b>QL_UART_TX_BUF_SEND_OUT</b> for <b>QI_UART_GetOption</b> to check whether the serial data is sent out or not.	V1.6
<b>GNSS</b>	Added the RIL_GPS_GetPowerState to get the GPS Power status.	V1.6
<b>GNSS</b>	Added the RIL_GPS_SetRefLoc to set reference position.	V1.6
<b>QuecLocator</b>	Added the example of QLBS(example_location2.c).	V1.7
<b>MQTT</b>	Added the example of MQTT(example_mqtt.c).	V1.8

## 4. Improved Features

Item/Category	Brief description	Since
<b>OTHER</b>	Fixed the bug that URC is returned when using " <b>AT+CREG?/AT+CGREG?</b> " to query network status.	V1.4
<b>BT</b>	Fixed the bug that the module cannot receive special characters during SPP communication.	V1.4

<b>SMS</b>	Fix SMS Data Coding Scheme(DCS) issue.	V1.4
<b>OTHER</b>	Fixed the bug that <b>QI_Get_Message()</b> can not return,thus cause other messages can not be handled after call <b>QL_GPRS_ActiveEx()</b> or <b>QL_Socket_ConnectEx()</b> synchronization APIs.	V1.4
<b>FTP</b>	Fixed the bug that in FTP passive mode to establish connection server to return LAN address and cause connection failure.	V1.6
<b>BT</b>	Fixed the bug that the Memory overflow of <b>RIL_BT_SPP_DirectConn()</b> .	V1.8

## 5. Known Issues

Item/Category	Brief Description

## 6. Functions

Basic API								
UART	GPIO	EINT	PWM	ADC	IIC	SPI	CLOCK	WatchDog
Y	Y	Y	Y	Y	Y	Y	N	Y
SYSTEM	TIME	TIMER	POWER	MEMORY	File System <sup>1)</sup>	SOCKET	FOTA	TRACE
Y	Y	Y	Y	Y	Y	Y	Y	Y
STDLIB	CAMERA	LCD	Touch panel					
Y	N	N	N					
RIL API								
AT	SMS	CALL	FTP	HTTP	AUDIO <sup>2)</sup>	Quec Locator2.0	ALARM	Secure Data
Y	Y	Y	Y	Y	Y	Y	Y	Y
BT <sup>3)</sup>	NTP	GNSS	QuecFastFix Online					
Y	Y	Y	Y					

## NOTES

1. Y means the SDK supports this function.
2. N means the SDK does not support this function.
3. <sup>1)</sup> Supports UFS/RAM/SD FILE only.
4. <sup>2)</sup> Supports Audio Record/Play.
5. <sup>3)</sup> 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\_V4.20