

# MC20 OpenCPU SDK

## Release Notes

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

Rev. MC20\_OpenCPU\_GS3\_SDK\_Release\_Notes\_V1.7

Date: 2019-08-05

## 1. Preamble

This document provides the Release Notes for MC20 OpenCPU GS3 SDK version **V1.7**. It describes major changes compared to MC20 OpenCPU GS3 SDK version **V1.6**. For a detailed listing of all changes, refer to the MC20 OpenCPU Series User Guide.

## 2. New Features

Item /Category	Brief description	Since
GNSS	Added the <b>QI_GNSS_PowerOn</b> interface to obtained the NMEA message in OpenCPU.	V1.4
OTHER	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.	V1.5
GNSS	Added the <b>RIL_GPS_GetPowerState</b> to get the GPS Power status.	V1.5
GNSS	Added the <b>RIL_GPS_SetRefLoc</b> to set reference position.	V1.5
QuecLocator	Added the example of QLBS(example_location2.c).	V1.7

## 3. Improved Features

Item/Category	Brief description	Since
OTHER	Fixed the bug that URC is returned when using " <b>AT+CREG?/AT+CGREG?</b> " to query network status.	V1.4
BT	Fixed the bug that the module cannot receive special characters during SPP communication.	V1.4
SMS	Fix SMS Data Coding Scheme(DCS) issue.	V1.4
FTP	Fixed the bug that in FTP passive mode to establish connection server to return LAN address and cause connection failure.	V1.5

## 4. 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 Locator	ALARM	Secure Data
Y	Y	Y	Y	Y	Y	Y	Y	Y
BT <sup>3)</sup>	GNSS	NTP	EPO	QuecFastFix Online				
Y	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.
4. <sup>2)</sup> Supports Audio Record/Play.
5. <sup>3)</sup> Supports BT 3.0 only, includes SPP, HFP, OPP.