MC60E OpenCPU SDK Release Notes

GSM/GPRS/GNSS Module Series

Rev. MC60E_OpenCPU_GS3_SDK_Release_Notes_V1.7

Date: 2019-07-04

1. Preamble

This document provides the Release Notes for MC60E OpenCPU GS3 SDK version **V1.7**. It describes major changes compared to MC60E OpenCPU GS3 SDK version **V1.6**. For a detailed listing of all changes, refer to the MC60 OpenCPU Series User Guide.

2. New Features

Item /Category	Brief description	Since
GNSS	Added the QI_GNSS_PowerOn interface to obtain the NMEA message in OpenCPU.	V1.4
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.	V1.6
GNSS	Added the RIL_GPS_GetPowerState to get the GPS Power status.	V1.6
GNSS	Added the RIL_GPS_SetRefLoc to set reference position.	V1.6
SPI	Added the QI_SPI_WriteRead_Ex to satisfy the SPI full-duplex function.	V1.7
BLE	Added the example of BLE Client (example_ble_client.c).	V1.7

3. Improved Features

Item/Category	Brief description	Since
SMS	Fix SMS Data Coding Scheme (DCS) issue.	V1.4
OTHER	Fixed the bug that URC is returned when using **"AT+CREG?/AT+CGREG?"** to query network status.	V1.4
BT	Fixed the bug that the module cannot receive special characters during SPP communication.	V1.4
FTP	Fixed the bug that in FTP passive mode to establish connection server to return LAN address and cause connection failure.	V1.6

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[1]	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[2]	Quec Locator	ALARM	Secure Data
Y	Y	Y	Y	Y	Y	Y	Y	Y
BT[3]	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. [1] Supports RAM FILE only.
4. [2] Supports Audio Play.
5. [3] Supports BT 4.0 dual_mode(Classic Mode and Bluetooth Low Energy).