

# BC26 OpenCPU SDK

## Release Notes

### LPWA Module Series

Rev. BC26\_OpenCPU\_NB1\_SDK\_Release\_Notes\_V1.3

Date: 2019-03-20

## 1. Preamble

This document provides the Release Notes for BC26 OpenCPU NB1 SDK version **V1.2**. It describes major changes compared to BC26 OpenCPU NB1 SDK version **V1.3**. For a detailed listing of all changes, refer to the BC26 OpenCPU User Guide.

## 2. New Features

Item /Category	Brief description	Since
<b>SOCKET</b>	Optimized the behavior to obtain receiving format in TCP/UDP.	V1.2
<b>RIL</b>	Modified the buffer length of the RIL interface to 1400 bytes.	V1.2
<b>OTHERS</b>	Update Functional Documents and AT Documents.	V1.3
<b>ADC</b>	Unrestricted the time interval limitation of ADC sampling. The minimum time interval can be configured as 10ms.	V1.3
<b>OTHERS</b>	Modified the implementation of QI_OS_GetMessage for dedicated scenarios – ADC/Normal EINT/Normal TIMER. This function will not return after the callback is called. It will go to the message receive code again internally to fetch the next message.	V1.3
<b>OTHERS</b>	Updated the RTC and LWM2M example.	V1.3
<b>DFOTA</b>	Supported upgrade APP bin file via DFOTA.	V1.3

## 3. Improved Features

Item/Category	Brief description	Since
<b>RIL</b>	Fixed the bug that change the RIL interface of network protocol to solve the problem of memory leakage.	V1.2
<b>SOCKET</b>	Fixed the bug that json data cannot be processed in TCP/UDP.	V1.2
<b>OTHERS</b>	Fixed the bug that the module will crash when frequent using AT+Qrst.	V1.2
<b>RIL</b>	Fixed the bug that -4(RIL_AT_INVALID_PARAM) is returned when calling QI_RIL_SendATCmd() to send non AT commands.	V1.2
<b>GPIO</b>	Fixed the bug that some GPIOs will hop during power on phase.	V1.3
<b>ONENET</b>	Fixed the bug that json data cannot be receive in onenet.	V1.3

## 4. Functions

Basic API								
UART	GPIO	EINT	PWM	ADC	IIC	SPI	SYSTEM	TIME
Y	Y	Y	Y	Y	Y	Y	Y	Y
TIMER	RTC	POWER	MEMORY	TRACE	STDLIB			
Y	Y	Y	Y	Y	Y			
RIL API								
AT	Secure Data	SOCKET	DFOTA	OneNET	LwM2M			
Y	Y	Y	Y	Y	Y			

### NOTES

1. Y means the SDK supports this function.
2. N means the SDK does not support this function.