

# BC26 Release Notes

## LPWA Module Series

Rev. BC26-NE\_Firmware\_Release\_Notes\_V0106

Date: 2019-03-29



## 1. Preamble

This document provides the Release Notes for BC26 firmware version **BC26NER01A06**. It describes major changes compared to firmware version **BC26NER01A03/BC26NER01A05\_OCPU**. For a detailed listing of all changes, refer to the BC26 AT Command Set.

## 2. New Features

Item /Category	Brief Description	Since
<b>MQTT</b>	Added data mode transfer mechanism for <b>MQTT</b> .	R01A06
<b>GENERAL</b>	Supported all in one mode of <b>OpenCPU</b> and Standard module.	R01A06
<b>RI</b>	Added RI feature for URC indicating.	R01A06
<b>TCPIP</b>	Added data mode transfer mechanism for <b>TCP/UDP</b> .	R01A06
<b>TCPIP</b>	Added <b>AT+QIDNSCFG</b> command for DNS server configuration.	R01A06
<b>OpenCPU</b>	Supported upgrade APP bin file via DFOTA.	R01A06
<b>OneNET</b>	Supported OneNET DM2.0.	R01A06

## 3. Improved Features

Item/Category	Brief Description	Since
<b>NETWOK</b>	Improved the network searching mechanism of underlying modem protocol.	R01A06
<b>TCPIP</b>	Fixed the bug that IPV6 communication failed issue.	R01A06
<b>GENERAL</b>	Enhance the NVDM management policy for more robust stability.	R01A06
<b>GENERAL</b>	Fixed the bug that executing <b>AT+QSCLK</b> in lower case return error issue.	R01A06
<b>NETWORK</b>	Fixed the bug that SINR value frequency hopping issue.	R01A06
<b>OpenCPU</b>	Fixed the bug that some GPIOs level changed during boot-up phase.	R01A06
<b>NETWORK</b>	Fixed the bug that EARFCN abnormal decoded issue.	R01A06

<b>OpenCPU</b>	Unrestricted the time interval of ADC sampling, the minimum interval can be configured to 10ms.	R01A06
<b>OpenCPU</b>	Modified the implementation of <b>QI_OS_GetMessage</b> , the message of ADC sampling , normal EINT , software Timer will be handled internally in this function , not returned from this API any more.	R01A06
<b>NETWORK</b>	Fixed the abnormal behavior of AT+CGATT=1 issue.	R01A06
<b>TCPIP</b>	Fixed the bug that DNS parse failed by executing <b>AT+QNTP</b> .	R01A06
<b>GENERAL</b>	Fixed the bug that GPT timer low probability fails to trigger callback.	R01A06
<b>OpenCPU</b>	Fixed the bug that the UART will be stuck when receiving 1400 bytes in one time.	R01A06
<b>OneNET</b>	Fixed the bug that UE can still send CON type data when received RST from the server.	R01A06

## 4. Functions

### Basic Function

OneNET

Y

### Protocol Function

TCP/UDP	NITZ	PING	NTP	MQTT
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Y	Y	Y	Y	Y
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### Special Function

DFOTA	PSM	OpenC PU
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Y	Y	Y
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### NOTES

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