

# **M26 BPU** Release Notes

## **GSM/GPRS Module Series**

Rev. M26(R1.1)\_Firmware\_Release\_Notes\_V0205\_BPU

Date: 2019-05-14



## 1. Preamble

This document provides the Release Notes for M26 firmware version **M26FBR02A05\_BPU**. It describes major changes compared to M26 firmware version **M26FBR02A04\_BPU**. For a detailed listing of all changes, refer to the M26 AT Command Set.

## 2. New Features

Item /Category	Brief Description	Since
TCP	Added AT command <b>AT+QIDATAVOL</b> to query GPRS data volume of each context.	R02A03
MQTT	Added new parameter for <b>AT+QMTPUB</b> to send fixed-length data.	R02A03
SSL TCP	Added AT command <b>AT+QSSLCFG="certchain"</b> to support the certificate chain.	R02A03
OpenCPU	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.	R02A03
MQTT	Added AT command <b>AT+QMTCFG="VERSION",&lt;tcpconnectID&gt;[,&lt;version_num&gt;]</b> for setting MQTT version, support MQTT version 3.1.1.	R02A04
MQTT	Added the size of received buffer to 4K byte.	R02A05
MQTT	Added Ali linkKit SDK to complete the authentication of Ali lot module.	R02A05
MQTT	Added AT command <b>AT+QMTCFG="DATAFORMAT",&lt;tcpconnectid&gt;,&lt;send_format&gt;,&lt;recv_format&gt;</b> for MQTT data format configuration.	R02A05
MQTT	Added AT command <b>AT+QMTCFG="recv/mode", AT+QMTRECV</b> to configure data cache reading from MQTT server.	R02A05

## 3. Improved Features

Item/Category	Brief Description	Since
HTTP	Fixed the bug that after set the HTTPS, send <b>AT+QCELLLOC=1</b> get the location fail.	R02A03
SSL	Fixed the bug that the validation problem of server issuing certificate chain.	R02A05

## 4. Functions

### Basic Function

SMS	Voice Call	Data Call	Fax	USSD	PHB	STK	CMUX	Dual UART
Y	Y	N	N	Y	Y	Y	Y	Y

FILE<sup>1)</sup>

Y

### Protocol Function

TCP/UDP	PPP	FTP	HTTP	NITZ	PING	NTP	HTTPS	TCP SSL
Y	Y	Y	Y	Y	Y	Y	Y	Y

POP3

MQTT

Y

Y

### Special Function

Jamming Detection	DTMF	Audio Record	Audio Play	Quec FOTA	OpenCPU FOTA	Quec Locator	Open CPU	eCall
Y	Y	Y	Y	Y	Y	Y	Y	Y

SIM Detection

ALARM

Y

Y

### NOTES

1. Y means the firmware supports this function.
2. N means the firmware does not support this function.
3. <sup>1)</sup> Only supports UFS/RAM FILE.