

# EC20 R2.1 Release Notes

## LTE Module Series

Rev. EC20-CE-FDG \_R2.1 Firmware\_Release\_Notes\_V0606

Date: 2018-01-31



## 1. Preamble

This document provides the Release Notes for EC20-CE-FDG R2.1 firmware version **EC20CEFDGR06A06M4G**. It describes major changes compared to EC20-CE-FDG R2.1 firmware version **EC20CEFDGR06A05M4G**. For a detailed listing of all changes, refer to the EC20 R2.1 AT Command Set.

## 2. New Features

Item /Category	Brief Description	Since
OTHER	Add <b>AT+QCFG="sleep/datactrl"</b> command.	R06A05
PPP	Add <b>AT+QPPPDOWN</b> command.	R06A05
TCP/IP	Add <b>AT+QICFG="udp/sendmode"</b> command.	R06A05

## 3. Improved Features

Item/Category	Brief Description	Since
NETWORK	Fix the bug when using the wrong APN to activate PDP profile, if network correct it to the right APN, module still reject the active result.	R06A04
NETWORK	Fix the bug that sometimes execute <b>AT+COPS?</b> get the wrong PLMN.	R06A04
TCP/UDP	Fix the bug that the module will restart when execute the command <b>AT+QISWTMD</b> before the TCP established successfully.	R06A04
OTHER	Fix the bug that there is no RI pulse when module receives SMS in transparent access mode on CDMA network.	R06A05
OTHER	Fix the issue that <b>ATZ</b> command will restore <b>AT+IFC</b> back to default.	R06A05
AUDIO	Change the PCM_DATA to pull-up by default.	R06A05
SMS	Support to Send/Receive long character short message of PDU mode on CDMA network.	R06A05
HTTP	Increase the length of <b>AT+QHTTTPURL</b> .	R06A05
NTP	Fix time zone to +00 for <b>QNTPT</b> when network doesn't deliver time	R06A05

	zone information to module.	
<b>HTTP</b>	Support to specify the name of file uploaded by <b>QHTTPPOST/QHTTPPOSTFILE</b> when context-type is set to 3.	R06A05
<b>NITZ</b>	Save Time Zone to NV and Time to <b>CCLK</b> when <b>CTZU</b> is set to 1 or 3.	R06A06
<b>TCP/UDP</b>	Fix the issue that data length will be incorrect when reading data by <b>AT+QIRD</b> is simultaneous with receiving data from network.	R06A06
<b>AUDIO</b>	Fix the issue that <b>AT+QSIDET</b> can't work.	R06A06

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## 4. Functions

Basic Function							
SMS	Voice Call	Data Call	USSD	PHB	STK	CMUX	FILE <sup>1)</sup>
Y	Y	N	N	Y	Y	Y	Y
Protocol Function							
QMI	TCP/UDP	PPP	FTP	HTTP	NITZ	PING	NTP
Y	Y	Y	Y	Y	Y	Y	Y
Special Function							
WIFI	SIM Detection	MQTT					
Y	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> Supports RAM FILE only.