

EC20-CE-HCLG_AUD

Release Notes

LTE Standard Module Series

Rev. EC20-CE-HCLG_AUD_Firmware_Release_Notes_V0604

Date: 2019-09-05



1. Preamble

This document provides the Release Notes for EC20-CE-HCLG_AUD firmware version **EC20CEHCLGR06A04M1G_AUD**. It describes major changes compared to EC20-CE-HCLG_AUD firmware version **EC20CEHCLGR06A03M1G_AUD**. For a detailed listing of all changes, refer to the EC20 R2.1 AT Command Set.

2. New Features

Item /Category	Brief Description	Since
MQTT	Added AT command AT+QMTCFG="willex" to configure will_msg.	R06A02
GENERAL	Added AT command AT+QCFG="urc/poweron" .	R06A02
NETWORK	Added AT command AT+QCFG="disable_backoff_lte" .	R06A02
NETWORK	Added AT command AT+QCFG="airplane" .	R06A02
GENERAL	Supported the feature of LWM2M.	R06A02
TCP/UDP	Added AT command AT+QCFG="TCP/SendMode" .	R06A02
NETWORK	Added AT command AT+QNWLOCK="common/lte" .	R06A03
TCPSSL	Added AT command AT+QSSSEND=0,0 to query the cache status of the AT+QSSSEND .	R06A03
HTTP	Added AT commands as follows: AT+QHHTTPUT , AT+QHHTTPUTFILE , AT+QHHTTPCFG="CUSTOM_HEADER" .	R06A03
GENERAL	Added AT command AT+QCFG="bip/auth" .	R06A03
SSL	Added the feature of PSK verification.	R06A03
QuecLocator	Added AT command AT+QLBS and AT+QLBSCFG .	R06A03
TCP/UDP	Added the AT command AT+QIACTEX .	R06A03
AUDIO	Added AT command AT+QCFG="tcp/windowsize" .	R06A04
TCPSSL	Added DTLS function	R06A04
TCPSSL	Added AT command AT+QSSLCFG="dtls" .	R06A04

TCPSSL	Added AT command AT+QSSLCFG="dtlsversion" .	R06A04
SMS	Added AT command AT+QCFG="urcport/sms" .	R06A04
AUDIO	Added AT command AT+QAUDCFG="nau8814/ainput" .	R06A04
AUDIO	Added AT command AT+QAUDPLAYGAIN .	R06A04
NETWORK	Optimized UE identity reporting.	R06A04

3. Improved Features

Item/Category	Brief Description	Since
NETWORK	Solved the issue that the returned RAT value was incorrect when queried via AT command AT+QNWINFO .	R06A02
NETWORK	Solved the issue that the RX_PW value of CDMA was incorrect when queried via AT command AT+QENG="servingcell" .	R06A02
GENERAL	Solved the issue that no response returned or URC for manufacturer command when executed AT+CMEE=0 .	R06A02
TCP/UDP	Solved the problem of format error when executed AT command AT+QCFG="NTP" .	R06A02
MQTT	Solved the problem that the module could not receive more than 1024 bytes of data sent by the MQTT server.	R06A02
GENERAL	Solved the problem of returned format error when executed AT command AT+CCLK? .	R06A02
GENERAL	Solved the problem that when set the parameter of AT+CTZU to illegal value 2, it would be set and take effect unexpectedly, not fail.	R06A02
TCP/UDP	Optimized the module stability when receiving more than 751 bytes under TCP hex mode.	R06A02
TCP/UDP	Optimized the process when sending UDP data on different destination port.	R06A02
GENERAL	Optimized AT command AT+QLEDSTAT to configure and query network status light.	R06A02
NETWORK	Optimized AT command AT+QCFG="disablesrlte" to enable the SRLTE by default.	R06A03
TCP/UDP	Solved the problem that if TCP half-closed, error returned when executing AT+QISEND=0,0 .	R06A03
NETWORK	Solved the problem of no LTE related response returned when executing AT+QCOPS=7,0 or AT+QCOPS=4,0 .	R06A03
NETWORK	Supported LTE B3/B8 of CMCC network.	R06A03
NETWORK	Optimized AT command AT+QCFG="disable_backoff_lte" .	R06A03

GENERAL	Extended the command AT+QSSLCFG="cacertex" to add multiple CA certificates.	R06A03
AUDIO	Solved the problem that the ringing tone of the second MT-CALL could not be played on T13104 codec.	R06A03
MQTT	Corrected the reported MSG_ID when MQTT sending message timeout.	R06A03
GENERAL	Extended the command AT+QSSLCFG="sslversion" to support tls1.3 protocol.	R06A03
NETWORK	Changed the maximum band number to be searched by command AT+QCOPS .	R06A03
NETWORK	Solved the problem that the return value queried by command AT+QNWINFO was incorrect.	R06A03
QMI	Optimized the QMI process when module boots up.	R06A03
TCP/UDP	Solved the problem that the reported URC content was incorrect when UDP server connected several clients.	R06A03
FTP	Solved the problem that an error would be reported unexpectedly when uploading files in-consecutively under FTP breakpoint transmission.	R06A03
CMUX	Extended the maximum serial port baud rate to 4M for CMUX. Supported the serial port baud rate to be 1M for CMUX mode.	R06A03
TCP/UDP	Supported to report length when sever sent the data.	R06A04
AUDIO	Solved the problem that TTS URC information broadcast reported all serial ports.	R06A04
AUDIO	Optimized the process of AT command AT+QCRM_CALL .	R06A04
NETWORK	Solved the problem that AT performance port could not work normally caused by SIM card service restriction after PPP dialing when the Telecom IoT card was inserted.	R06A04
AUDIO	Fixed the problem of frequency mismatch of DTMF "**#ABCD"	R06A04
AUDIO	Optimized loading process the codec.	R06A04

4. Functions

Basic Function				
SMS	Voice Call	Data Call	USSD	PHB
Y	Y	N	N	Y

Protocol Function								
QMI	TCP/UDP	PPP	FTP	SMTP	HTTP	NITZ	PING	NTP
Y	Y	Y	Y	Y	Y	Y	Y	Y

Special Function	
SIM Detection	Quec Locator 2.0
Y	Y

NOTES

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