

Release Note. (CP2_2.1.0.EU)

date : 2019.11.25

Base Version: CP2_2.1.0

1. Support LE910-EU V2
2. Default Configuration : Apply 2019.08 CP2-VZE-LTE-default-settings

Release Note. (CP2_2.1.0.AP)

date : 2019.11.25

Base Version: CP2_2.1.0

1. Support LE910C1-AP
2. Default Configuration : Apply 2019.08 CP2-VZA-LTE-default-settings

Release Note. (CP2_2.1.0.NA)

date : 2019.10.30

Base Version: CP2_2.0.0.NA

1. Same changes as CP2_2.1.0

Release Note. (CP2_2.1.0)

date : 2019.10.30

Base Version: CP2_2.1.0.RC9

Official release after QC test.

This version will be used as default starting with the Vov. 2019 production.

Release Note. (CP2_2.1.0.RC9)

date : 2019.10.22

Base Version: CP2_2.1.0.RC8

- 1 Changes/New
 - 1.1 Modem
 - 1.1.1 NCM driver update.
- 2 Fixed
 - 2.1 DMS5
 - 2.1.1 DMS5 temo file (drv, tevent) delete when start.
 - 2.2 Modem
 - 2.2.1 AT#FASTSHDN Command => Not support at HE910-NAD

Release Note. (CP2_2.1.0.RC8)

date : 2019.10.18

Base Version: CP2_2.1.0.RC7

- 1 Changes/New
- 2 Fixed
 - 2.1 Modem
 - 2.1.1 AT+CGMM Command => no response => memory error.

Release Note. (CP2_2.1.0.RC7)

date : 2019.10.17

Base Version: CP2_2.1.0.RC6

1 Changes/New

1.1 Modem

1.1.1 SMS

1.1.1.1 When use HE910-EUD, +CSMP dcs = 0

1.1.2 APN change

1.1.2.1 APN change only one time, when setting has different APN.

- previous: Change APN all the time.

1.1.2.2 Modem reboot after change APN

1.1.2.3 Delete APN change command at Data Call(NCM, ppp) => No need it

1.1.3 Power-On / Off Sequence

- PWRMON check Timeout change

- power on : 5sec-> 30sec, power off : 15sec -> 30sec

1.2 DMS5

1.2.1 Command : DMSCMD_DOWNLOADSETTING

1.2.1.1 Debug when it has the same VehicleID or DriverID.

- Do not update when it has the VehicleID or DriverID.

1.3 GPS Filter

1.3.1 Filter default-on.

1.3.2 HDOP, VDOP Filter function off.

2 Fixed

2.1 Modem

2.1.1 SMS

2.1.1.1 Debug Command GD, GA, GU

2.1.1.2 Debug working with wrong DRID

2.1.1.3 Debug system.log file contents (after Command DR)

Release Note. (CP2_2.1.0.RC6)

date : 2019.10.16

Base Version: CP2_2.1.0.RC5

3 Changes/New

3.1 Modem

3.1.1 SMS

3.1.1.1 SMS function code rewriting.

- READ, SEND, message parsing and management

4 Fixed

4.1 Modem

4.1.1 Modem FW Upgrade

4.1.1.1 Delete file when it receive another model Upgrade firmware file.

Release Note. (CP2_2.1.0.RC5)

date : 2019.10.07

Base Version: CP2_2.1.0.RC4

1 Changes/New

1.1 Modem

1.1.1 Modem FW Upgrade

1.1.1.1 Accep firmware without extenstion(.img) when receive firmware using DMSCMD_DOWNLAODFW Command

2 Fixed

2.1 Modem

2.1.1 NCM

2.1.1.1 Debug memory error when it has a connection issue.

Release Note. (CP2_2.1.0.RC4)

date : 2019.10.02

Base Version: CP2_2.1.0.RC3

5 Changes/New

5.1 Modem

5.1.1 SMS function

- 5.1.1.1 Remove LOG_TYPE_SMS_INFO log when receiving SMS command
- 5.1.1.2 Write LOG_TYPE_USER_REBOOT when shut down by DR (Device-Reboot)
- 5.1.1.3 Add error process when the SMS field (Command, Sequence, Data, DRID, phone number) is more than MAX characters.

5.1.2 NCM

- 5.1.2.1 Use AT#NCMD instead of AT+CGATT when Network-Down

5.1.3 Modem FW Upgrade

- 5.1.3.1 Support FW File format Image File as like CP4 (Support repackaging file only)
- 5.1.3.2 Not support binary type file. (Not support Telit file)

Release Note. (CP2_2.1.0.RC3)

date : 2019.9.18

Base Version: CP2_2.1.0.RC2

1 Changes/New

2 Fixed

2.1 Modem

2.1.1 SMS function

- 2.1.1.1 Debug memory error when it has a wrong and very long SMS.

3 etc

3.1 message log

- 3.1.1 Add SMS message log for debugging.

3.1.2 Remove unnecessary messages. (auth.err getty, Scheduling for restart)

Release Note. (CP2_2.1.0.RC2)

date : 2019.9.10

Base Version: CP2_2.1.0.RC1

1 Changes/New

1.1 Modem

1.1.1 SMS function

- Add log when performing SMS Command MR, DR, SA, SU
- Add LOG_TYPE_SMS_COMMAND(0x40)

1.1.1.1 Add setting update by SMS Command SA, SU

- Add setting update log (LOG_TYPE_CONFIG_UP)
Add LOG_DATA_CONFIG_UP_from_SMS(0x04)

1.1.1.2 Add modem reboot by SMS Command MR

1.1.1.3 Add system restart by SMS Command DR

Release Note. (CP2_2.1.0.RC1)

date : 2019.9.9

Base Version: CP2_2.0.0

1 Changes/New

1.1 Modem

1.1.1 Use NCM adaptor when connecting Network

- Support model: LE910-NA1, LE910-SV V2, LE910-EU V2

1.1.2 Modem SW Upgrade

- Modem SW update by FOTA
- DMS5 Command : DMSCMD_DOWNLOADFW
- Support model: LE910-NA1, LE910-SV V2, LE910-EU V2
- limitation: writing system.log, exception when power failure.

1.2 Add SMS function

- specification: Please refer to SMS_Functionality_Spec_20190906.docx.
- limitation: application of SET API(URL, APN), writing system.log

Release Note. (CP2_2.1.0.EU.RC1)

date : 2019.8.9

Base Version: CP2_2.0.0

2 Changes/New

2.1 Modem

2.1.1 Support LE910-EU V2

2.1.2 Apply default Configuration – 2019_0809_CP2-VZE-VZA-LTE-default-settings

Release Note. (CP2_2.0.0)

date : 2019.5.28

1 Changes/New

1.1 system

1.1.1 gps_en, ext_ser_en, wn_en, host_wake_wl, bt_en, host_wake_bt pin control.

1.1.2 Support 6223E-UUD (Add RTL8723DU driver)

1.2 MICOM

1.2.1 Debug Turn-On delay 0~900msec.

1.3 Default Configuration change

1.3.1 2019_0308_CP2-NA-LTE-DEFAULT-SETTINGS

1.3.2 2019_0505_CP2-VZ-LTE-DEFAULT-SETTINGS-MP

1.4 Modem

1.4.1 LE910SV V2: AT+CGDCONT Command <cid> parameter change from 1 to 3

1.4.2 Modem initialize: Add AT+CGCLASS? Command.

1.4.3 AT+WS46 response timeout: 3minutes

1.4.4 Remove modem reboot after AT+WS46 change.

1.4.5 Debug Modem shutdown process.

1.4.6 Add APN exception.

- 1.4.6.1 Compare APN from +CGDCONT? Result and (setting.ini)
If APN is different, run +CGDCONT=1 Command(CLEAR)

- 2 Fixed
 - 2.1 Debug Power Adaptor(INT1-T) reboot during initialize
 - 2.1.1 It happen during change the protocol as the Text Protocol.
 - 2.1.2 Debug Protocol Thread hang(0x0020)
 - 2.2 Debug Settings
 - 2.3 RECORD
 - 2.3.1 DRV 1st Data was from 45seconds. It will start from 25seconds after power on.
 - 2.4 Debug Overwrite Function
- 3 ETC
 - 3.1 Linux
 - 3.1.1 Image sensor & I2C Driver update
 - 3.2 GPS
 - 3.2.1 Checksum field: 2 character to 1~2 character.

Release Note. (CP2_2.0.0.RC4)

date : 2019.3.8

Base Version: CP2_2.0.0.RC3

- 1 Changes/New
 - 1.1 Default Configuration change
 - 1.1.1 CS Sample Default Settings CP2-VZ-LTE(2019/03/07)
- 2 Fixed
 - 2.1 Debug ENC_USERPWD OFF condition
 - Found this issue after we add VZ default setting which has the password.

Release Note. (CP2_2.0.0.RC3)

date : 2019.3.7

Base Version: CP2_2.0.0.RC2

- 1 Changes/New
 - 1.1 Support DALLAS H/W changed point (from CS product)
 - 1.1.1 Control GPS_EN (PD20) Pin
 - 1.2 MICOM
 - 1.2.1 Debug Turn-On 0~900msec delay
- 2 Fixed
 - 2.1 Debug Power Adaptor(INT1-T) reboot during initialize
 - 2.1.1 It happen during change the protocol as the Text Protocol.
 - 2.1.2 Debug Protocol Thread hang(0x0020)

Release Note. (CP2_2.0.0.RC2)

date : 2019.1.28

Base Version: CP2_2.0.0.RC1

- 1 Changes/New
 - 1.1 Support DALLAS H/W changed point (from CS product)
 - 1.1.1 6623E-UUD
 - 1.1.1.1 Add RTL8723DU on the network device list
 - 1.1.1.2 WL_EN Pin control when Power On/Off control

Release Note. (CP2_2.0.0.RC1)

date : 2019.1.14

Base Version: CP2_1.2.0.RC2

- 3 Changes/New
 - 3.1 Support new hardware DALLAS
 - 3.1.1 When the BoardID0(RJP4) is High,
Control wn_en, host_wake_wl, bt_en, host_wake_bt pin which new H/W have.
 - 3.1.2 Add "ext_ser_en pin" control (it's not related with Board ID).
 - 3.1.3 Add RTL8723DU(6223E-UUD) driver
 - 3.2 modem

- 3.2.1 When it use "LE910SV V2" modem, AT+CGDCONT Command <cid> parameter is from 1 to 3.
 - 3.2.2 When it reset the modem, check "+CGCLASS" status value..
 - 3.2.3 AT+WS46 response timeout change to 3minutes.
 - 3.2.4 After change AT+WS46, remove "modem reboot".
- 4 Fixed
- 5 Extra
- 5.1 Enhance bctest Program (Version 0.6.3)
 - 5.1.1 Support modem: LE910-NA1, LE910-SV V2
 - 5.2 Enhance TestIOT Program (Version 0.9.7)
 - 5.2.1 Add Modem turn-on delay 10 seconds
 - 5.2.2 Debug memory error during Modem Initialize.
 - 5.2.3 Debug response timeout after +WS46 Command

Release Note. (CP2_1.2.0.RC2)

date : 2018.11.08

Base Version: CP2_1.2.0.RC1

- 6 Changes/New
- 6.1 Support LE910-NA1 Modem

Release Note. (CP2_1.2.0.RC1)

date : 2018.11.06

Base Version: CP2_1.1.3

- 1 Changes/New
- 1.1 DMS5
 - 1.1.1 Support DMSCMD_SENDDEV Command
 - Send "message log file" to server.
 - 1.2 LOG
 - 1.2.1 Write SIM Number in system.log.
 - SIM_INFO Structure

type	Name	size (byte)	description
uint32	Magic	4	

uint32	Index	4	
uint32	Type	4	0x3D : LOG_SIM_INFO
UTC_TIME_SEC	sys_time	8	utc time
uint8[42]	String	42	information string (ICCID)
uint16	Crc	2	

1.3 3G/LTE

1.3.1 Select (WS46).

- Can change AT Command WS46 value by setting.
[3G/LTE]

property name	value type	Description	default value
[3G/LTE] NET_3G_ATWS46	int, 0~1000	12 : GSM Digital Cellular Systems (GERAN only) 22 : UTRAN only 25 : 3GPP Systems (GERAN and UTRAN and E-UTRAN) (factory default) 28 E-UTRAN only 29 GERAN and UTRAN 30 GERAN and E-UTRAN 31 UTRAN and E-UTRAN 0 or others : 변경하지 않음.	0

※ Limitation: Only for the Telit Modem.

1.3.2 Modem reboot

- When CGREG response 2(not registered, but terminal is currently searching a new operator to register to) more than 10minutes.

1.4 Tamper Detection.

1.4.1 Write CRC on the Key Frame.

[RECORD]

property name	value type	description	default value
VIDEO_PROTECT	int 0~1	0 : OFF, 1: ON	0

1.5 Power Adaptor DPWR-600

1.5.1 Add Register Interval

[DEVICE]

property name	value type	description	default value
REGISTER_INTERVAL	int 0~86400	Wakeup duration 0: disable, 1~86400, Unit: second	0

Release Note. (TX2000_1.1.3)

date : 2018.10.08

Base Version: TX2000_1.1.2

7 Changes/New

7.1 DMS5

7.1.1 UploadDriveData API

- When DRV File Size is 0 byte => Do not send it to server.

Release Note. (TX2000_1.1.2.RC1)

date : 2018.08.31

Base Version: TX2000_1.1.1

1 Changes/New

2 Fixed

- 2.1 VIDEOSTD setting PAL => Reboot.

Release Note. (TX2000_1.1.1)

date : 2018.07.19

Release Note. (TX2000_1.1.1.RC2)

date : 2018.07.18

Base Version: TX2000_1.1.1.RC1

- 1 Changes/New
 - 1.1 DMS5
 - 1.1.1 UploadDriveData API (Support G-value 4Hz, 5Hz)
 - 1.2 SD Card
 - 1.2.1 Enhance SD Un-mount performance.
 - 1.2.2 Application (Use Async Mode).
 - Previous version: Application start with Sync Mode => 2 min later Async Mode
- 2 Fixed
 - 2.1 DMS5
 - 2.1.1 UploadDriveData API
 - 2.1.1.1 UploadDriveData API error

Release Note. (TX2000_1.1.1.RC1)

date : 2018.06.14

Base Version: TX2000_1.1.0

- 1 Changes/New
 - 1.1 DMS5
 - 1.1.1 UploadEvent API TriggerTime difference (+1 second).
 - 1.2 Log
 - 1.2.1 RTC Battery Fail => Add system log.
- 2 Fixed
 - 2.1.1 DMS5
 - 2.1.1.1 Fix ECall Event considered as EventType(TURN)
 - 2.1.1.2 Fix UploadNotify (eCall Notification) AP didn't work
 - 2.1.2 Event
 - 2.1.2.1 Fix When Event(Panic, G-Sensor, Overspeed) record setting (###_RECCH) is 0, no beep and no alarm out.
- 3 Etc
 - 3.1.1 Data Loss
 - 3.1.1.1 Changed Video0(image sensor) Channel Data Loss reboot condition
 - Detecting time from 20 seconds to 40 seconds