

Release Note. (CP2 3.3.0)

date : 2021.01.06

Released CP2_3.3.0 version after testing CP2_3.3.0.RC10.

H/W : CP2-NA, CP2-NA-VZ, CP2-NA-LTE, CP2-EU-LTE, CP2-VZ-LTE, CP2-NA-VZ,
CP2-VZE-LTE, CP2-VZA-LTE

Release Note. (CP2 3.3.0.RC10)

date : 2020.12.29

BASE VERSION : CP2_3.3.0.RC9

1. **Changes/New**
2. **Fixed**
 - 1) Found unknown reboot during OnOff Cycle Test (Debug tvd kernel thread dead)

Release Note. (CP2 3.3.0.RC9)

date : 2020.12.24

BASE VERSION : CP2_3.3.0.RC7

1. **Changes/New**
 - 1) Enhanced the shutdown process when use INT1-T
2. **Fixed**
 - 1) Fixed F/W Name after F/W Upgrading in the system.log
3. **Etc.**
 - 1) 3.3.0.RC8 F/W wasn't released

Release Note. (CP2 3.3.0.RC7)

date : 2020.12.17

BASE VERSION : CP2_3.3.0.RC5

1. **Changes/New**
 - 1) Changed "Modem F/W Upgrade" message in the system.log
 - 2) Apply SWA Default setting per model
2. **Fixed**

- 1) Enhanced WIFI communication
- 2) Debug message of "Modem F/W Upgrade" in the system.log
- 3) Debug disconnection when continuously upload files using WIFI
- 4) Debug message log encryption decrypt
- 5) Debug CH1 PAL 30FPS recording (Record 25FPS => 30FPS)

3. Etc.

- 1) Change implementation method of Micom WOG
- 2) 3.3.0.RC6 F/W wasn't released.

Release Note. (CP2 3.3.0.RC5)

date : 2020.11.30

BASE VERSION : CP2_3.3.0.RC4

**H/W : CP2-NA, CP2-NA-VZ, CP2-NA-LTE, CP2-EU-LTE, CP2-VZ-LTE, CP2-NA-VZ,
CP2-VZE-LTE, CP2-VZA-LTE**

1. Changes/New

- 1) Add Modem reboot by Modem control status
- 2) Support TLS 1.3
- 3) Support 30FPS when video type PAL
- 4) Add LE910Cx PPP Mode
- 5) Add Ignition Filter

2. Fixed

- 1) Debug modem upgrade using SD card
- 2) Debug MICOM version writing
- 3) Debug UploadDRV system status Record ON/OFF
- 4) Debug LED operation

Release Note. (CP2 3.3.0.RC4)

date : 2020.09.24

BASE VERSION : CP2_3.3.0.RC3

1. Changes/New

- 5) Enhance GPS power on control (5.5 seconds to 2.5 seconds)

2. Fixed

- 1) Debug low quality image file size
- 2) Debug Audio Masking
- 3) Debug Geofence event beep
- 4) Debug when use MAX(20) Geofence area
- 5) Debug Geofence event

Release Note. (CP2 3.3.0.RC3)

date : 2020.09.09

BASE VERSION : CP2_3.3.0.RC2

**H/W : CP2-NA, CP2-NA-VZ, CP2-NA-LTE, CP2-EU-LTE, CP2-VZ-LTE, CP2-NA-VZ,
CP2-VZE-LTE, CP2-VZA-LTE**

1. Changes/New

- 6) Add Event AUDIO MASK function
- 7) Add new hidden setting
[DMS5]
NET_NO_DATA_TIMEOUT=10
 - ⇒ Default is 10seconds. If you didn't set, it no data timeout is 10 seconds.
 - ⇒ Optionally, it can be set from 10seconds to 300seconds.

2. Fixed

- 1) Debug event MASK_CH
- 2) Debug wakeup on alarm

Release Note. (CP2 3.3.0.RC2)

date : 2020.08.26

BASE VERSION : CP2_3.3.0.RC1

**H/W : CP2-NA, CP2-NA-VZ, CP2-NA-LTE, CP2-EU-LTE, CP2-VZ-LTE, CP2-NA-VZ,
CP2-VZE-LTE, CP2-VZA-LTE**

1. Changes/New

- 8) Telit modem version checking new AT CMD
 - ⇒ It's not related to the function. The old AT CMD show a wrong modem version.
- 9) Add Geofence function
- 10) Add CONFIG UPLOAD log into the System.log
 - ⇒ Added more information into the System.log.
- 11) Changed Wake-up Interval OFF condition
- 12) Add Event MASK_CH function
- 13) Delete CP2 Firmware Name PostFix
 - ⇒ It's related to the firmware information. NA or SP or EU or AP is simply removed from the firmware name.
So CP2_2.1.0.NA firmware version will be the CP2_3.3.0 after the firmware update.

2. Fixed

Release Note. (CP2 3.2.0)

date : 2020.07.23

Released CP2_3.2.0 version after testing CP2_3.2.0.RC9.

BASE VERSION : CP2_3.2.0.RC9

**H/W : CP2-NA, CP2-NA-VZ, CP2-NA-LTE, CP2-EU-LTE, CP2-VZ-LTE, CP2-NA-VZ,
CP2-VZE-LTE, CP2-VZA-LTE**

3. Changes/New

- 1) Improve Network termination process
- 2) Auto Format ON: Format only when a blank SD is inserted
- 3) Remove vendor from System log (IMEI INFO)

4. Fixed

- 1) LED operation bug (Network fail, shutdown)
- 2) SD unmount time bug
- 3) Beep operation bug (wifi connected, Video-loss, duration 0)
- 4) Network connection issue during ON/OFF test
- 5) DSM extra data bug
- 6) UploadDrv gdata 10hz bug

Release Note. (CP2 3.2.0.RC4)

date : 2020.06.30

BASE VERSION : CP2_3.2.0.RC2

**H/W : CP2-NA, CP2-NA-VZ, CP2-NA-LTE, CP2-EU-LTE, CP2-VZ-LTE, CP2-NA-VZ,
CP2-VZE-LTE, CP2-VZA-LTE**

1. Changes/New

- 1) Add the firmware update standby timeout
- 2) Run Auto Recovery when abnormal shutdown
- 3) Remove Auto Recovery from the menu/setting
- 4) Add MDAS, MDSM support
- 5) Add Modem BDID test logic

2. Fixed

- 1) Aux warning that related with RF reader touch type
- 2) Gyro data writing
- 3) Overwrite 256GB SD

Release Note. (CP2 3.2.0.RC2)

date : 2020.06.16

BASE VERSION : CP2_3.2.0.RC1

**H/W : CP2-NA, CP2-NA-VZ, CP2-NA-LTE, CP2-EU-LTE, CP2-VZ-LTE, CP2-NA-VZ,
CP2-VZE-LTE, CP2-VZA-LTE**

1. Changes/New

- 1) Add the extra data for ADAS/DSM on the DRV file and upload to Smart API server
- 2) Add FCW distance [ADAS]
- 3) Add PLK RoadScope8 ADAS device
- 4) Add IMSI information at the DMS4 phone number field
- 5) Enhance the Phone number check function
- 6) Remove ACC status log from NAND system.log (space issue)
- 7) Wake On G-sensor event threshold change from 150mG to 50mG
- 8) Enhance Auto format / Auto recovery function
- 9) When the LE910 modem Dongle type is 1, use PPP instead of NCM.

2. Fixed

- 1) Overwrite after changing the record mode
- 2) NCM related connection fail
- 3) 2.X version WI-FI only product connection issue after upgrading to 3.1.1
- 4) When using Cigar or INT1-T, there was no external signals in the config tool.
=>Support DDC-200 or other DSM device.

Release Note. (CP2 3.2.0.RC1)

date : 2020.05.18

BASE VERSION : CP2_3.1.1

**H/W : CP2-NA, CP2-NA-VZ, CP2-NA-LTE, CP2-EU-LTE, CP2-VZ-LTE, CP2-NA-VZ,
CP2-VZE-LTE, CP2-VZA-LTE**

1. Changes/New

- A.** Added device support:
 - i. ADAS: MDAS-9, MDAS-5
 - ii. DSM: MDSM-7
- B.** Changed Auto format function
- C.** Added Auto recovery function

2. Fixed

- A.** Enhance the main camera FPS accuracy

Release Note. (CP2 3.1.1)

date: 2020.05.15

Released CP2_3.1.1 version after testing CP2_3.1.1.RC1.

Release Note. (CP2 3.1.1.RC1)

date: 2020.05.14

BASE VERSION: CP2_3.1.0

**H/W: CP2-NA, CP2-NA-VZ, CP2-NA-LTE, CP2-EU-LTE, CP2-VZ-LTE, CP2-NA-VZ,
CP2-VZE-LTE, CP2-VZA-LTE, CP2-AP-LTE**

3. Fixed

- A. Debug Model value reset after Modem information refresh

Release Note. (CP2 3.1.0.RC13)

date: 2020.05.13

BASE VERSION: CP2_3.1.0.RC12

**H/W: CP2-NA, CP2-NA-VZ, CP2-NA-LTE, CP2-EU-LTE, CP2-VZ-LTE, CP2-NA-VZ,
CP2-VZE-LTE, CP2-VZA-LTE**

2. Fixed

- 1) Debug TEMP PW CONTROL INFO log

Release Note. (CP2 3.1.0.RC12)

date: 2020.05.11

BASE VERSION: CP2_3.1.0.RC11

**H/W: CP2-NA, CP2-NA-VZ, CP2-NA-LTE, CP2-EU-LTE, CP2-VZ-LTE, CP2-NA-VZ,
CP2-VZE-LTE, CP2-VZA-LTE**

1. Changes/New

- 1) Add default setting per vendor

2. Fixed

- 1) Debug FOTA img file and remove_fw
- 2) Debug TEMP SYSTEM WARNING

Release Note. (CP2 3.1.0.RC11)

date: 2020.04.29

BASE VERSION: CP2_3.1.0.RC10

**H/W: CP2-NA, CP2-NA-VZ, CP2-NA-LTE, CP2-EU-LTE, CP2-VZ-LTE, CP2-NA-VZ,
CP2-VZE-LTE, CP2-VZA-LTE**

3. Changes/New

- 1) Add the default setting per vendor
- 2) Restore NET_FW_RESTART, NET_CONFIG_RESTART function

4. Fixed

- 1) Debug PULSE 2HZ error
- 2) Enhance shutdown when Telit LTE modem 3G/2G fallback
- 3) Debug RECORD ON log serial text
- 4) Add exception when handing SMS
- 5) Enhance system stability
- 6) Debug when Wi-Fi Password is wrong.
- 7) Enhance Telit LTE Modem APN setting logic
- 8) Enhance NCM Reconnect function
- 9) Debug kernel memory allocation

Release Note. (CP2 3.1.0.RC10)

date: 2020.04.24

BASE VERSION: CP2_3.1.0.RC9

**H/W: CP2-NA, CP2-NA-VZ, CP2-NA-LTE, CP2-EU-LTE, CP2-VZ-LTE, CP2-NA-VZ,
CP2-VZE-LTE, CP2-VZA-LTE**

1. Changes/New

- 1) GSENSOR_WAKEUP function => enable when Power Type is Cigar
- 2) When set the GSENSOR_WAKEUP, POWEROFF DELAY will be fixed at 10 minutes.
- 3) Add HW_VERSION in the version.ini file.

2. Fixed

- 4) NCM communication failed => Enhanced Modem Reboot process
- 5) Modem initialize failed -> Debug exceptions

- 6) Debug UploadSystemLog API
- 7) Debug FOTA Version check function
- 8) Debug BEEP Duration (server command)
- 9) Debug Telit LTE Modem APN setting logic
- 10) Debug Overwrite OFF

3. Remark

- 1) A lot of changes. Please test the NETWORK connection and FOTA after install this firmware to SWA's test unit before you release it to your customer.

Release Note. (CP2 3.1.0.RC9)

date: 2020.04.10

BASE VERSION: CP2_3.1.0.RC8

**H/W: CP2-NA, CP2-NA-VZ, CP2-NA-LTE, CP2-EU-LTE, CP2-VZ-LTE, CP2-NA-VZ,
CP2-VZE-LTE, CP2-VZA-LTE**

1. Changes/New

- 1) None

2. Fixed

- 1) Warning sound when press the Panic button
- 2) Warning sound when start the SD card format
- 3) 1fps data (P frame recording)

3. Remark

- 1) A lot of changes. Please test the NETWORK connection and FOTA after install this firmware to SWA's test unit before you release it to your customer.

Release Note. (CP2 3.1.0.RC8)

date: 2020.04.08

BASE VERSION: CP2_3.1.0.RC7

**H/W: CP2-NA, CP2-NA-VZ, CP2-NA-LTE, CP2-EU-LTE, CP2-VZ-LTE, CP2-NA-VZ,
CP2-VZE-LTE, CP2-VZA-LTE**

1. Changes/New

- 1) Add PFD_RECOVER system log
- 2) Add NETWORK ERROR code information
- 3) Enhance Modem Shutdown function

- 4) Add Recording ratio information in the Frame Info
- 5) When Network error, add Modem Reboot by network condition.
- 6) When unit is at the out of service area, add NoService Log
- 7) Changed Driving Data sending timing
- 8) Add Bluetooth panic button (Flic)

2. Fixed

- 1) Add F/W VERSION space in the system log
- 2) Do not retry command except FOTA
- 3) Debug Command Complete issue (not send Command Complete after restart)
- 4) Debug ignored Health Check Interval when network error
- 5) Debug CURL host resolve delay while system shutdown
- 6) Debug RF Reader system warning related issue
- 7) Debug Touch type RF Reader card Aux warning issue
- 8) Debug FOTA record on the system log and LED operation issue
- 9) Debug SD format
- 10) Debug Wake up AlarmIN
- 11) Debug Wakeup Interval
- 12) Debug Channel 1 recording 15 & 30fps

3. Remark

- 1) A lot of changes. Please test the NETWORK connection and FOTA after install this firmware to SWA's test unit before you release it to your customer.

Release Note. (CP2 3.1.0.RC7)

5. BASE VERSION: CP2_3.1.0.RC4

4. H/W: CP2-NA, CP2-NA-VZ, CP2-NA-LTE, CP2-EU-LTE, CP2-VZ-LTE, CP2-NA-VZ, CP2-VZE-LTE, CP2-VZA-LTE

6. Changes/New

- 1) Add system.log in the NAND
 - ✓ Remove VIDEO LOSS from system.log
- 2) Enhance Modem shutdown process
- 3) system.log backup from NAND
- 4) backup system.log from NAND to BRTX4K USB drive
- 5) Write DRIVERID change in to system.log
- 6) Enhance booting speed

7. Fixed

- 1) AUTO FORMAT failed and restart again continuously
- 2) MDT file have events which didn't happen.
- 3) Press RESET => immediately G-Sensor Calibration
- 4) RAMDISK image loading (Bad Data CRC occur bug)
- 5) LED light bug => it should work based on the LED specification.
- 6) GSENSOR_WAKEUP setting OFF => WOG detected => write 0x80 in Car Signal field.
- 7) Sometimes run DISK check 2 times bug
- 8) Temperature value bug

- 9) FOTA Download failed and retry again continuously
- 10) not OVERWRITE during test DISK
- 11) system.log text bug
- 12) VIDEO_STD mis-matched => Green screen at PC Viewer
- 13) B+ OFF and then occur V-Loss
- 14) When remove RF Reader => no Aux warning bug
- 15) Except event file setting => SD Error during Overwrite

Release Note. (CP2 3.1.0.RC4)

5. BASE VERSION: CP2_2.1.0

6. H/W: CP2-NA, CP2-NA-VZ, CP2-NA-LTE, CP2-EU-LTE, CP2-VZ-LTE, CP2-NA-VZ, CP2-VZE-LTE, CP2-VZA-LTE

7. Changes/New

- 11) VIDEO_STANDARD mismatch => 2nd channel display black screen
- 12) 3G / WI-FI auto switching function
- 13) Autoformat On => Create SD partition when it has no partition
- 14) Do not format a write protect switch on SD
- 15) Wake On G-sensor (WOG) function
- 16) Power adapter / Junction Box communication logic change
- 17) Detect a write protect on SD
- 18) Optimize Modem communication message
- 19) Remove Temp. related settings
- 20) Do not try CREG when the modem is LE910-SV V2 or LE910-SV1
- 21) SD write condition change
 - ✓ Previous: check time after booting
 - ✓ New: check supercap voltage after booting
- 22) DC OFF => SD write condition change
 - ✓ Previous: DC OFF => write immediately
 - ✓ New: DC OFF => check supercap voltage => write when 4.4V
- 23) [DMS] Modem F/W version send to server
- 24) Add SD S/N in the System log
- 25) Power On/Off Sequence change by modem type
- 26) External device interface
 - ✓ DNMEA
 - ✓ ATBS OBD2
 - ✓ ELM327 OBD2
 - ✓ DL550A DSM
 - ✓ RoadScope ADAS
 - ✓ DDC-200 DSM
 - ✓ RF-READER
- 27) Expansion SYSTEM WARNING function
- 28) Add Automatically remove data (MEDIA / DRV)

- 29) When SD is removed during recording, consider it as SD NONE
- 30) Add system.log in the NAND
- 31) When SD has 2nd partition, save system.log into the 2nd partition
- 32) Improved error of G-Sensor Gyro
- 33) Telit LE910CX-AP Single SKU SW Switching
- 34) Delete G-Sensor high speed algorithm THRESHOLD item value
- 35) Add D-TEG GPS FILTER
- 36) Changed FW upgrade behavior specification for FOTA
- 37) Delete Auto FIRMWARE Recovery function
- 38) Changed System.log, Error.log behavior specification
- 39) Add APPLICATION Restart function
- 40) Changed the maximum speed recognized by the main unit to 500KM/H
- 41) Add Stream Encryption function
- 42) Store the Car Pulse speed at 2Hz and storage in 0.1KM/H to the DRV file
- 43) Continuous record MDT file number from 1000 to 2000
- 44) When automatically remove data is ON, delete all files after period include event files.
- 45) Special feature for SWA (0x08)
 - Record audio by PANIC button
 - UploadMdt, UploadEvent, FOTA timeout setting
- 46) Auto APN function like CP4
- 47) AT&T Telit LE910-NA1 Modem support US Cellular
- 48) Telit module communication initialize logic change
- 49) WDT logic specification change
- 50) DMS5 communication related items
 - ✓ Send Modem information and H/W information
 - ✓ Network Config Upload => NAND update and delete setting.ini from SD
 - ✓ Network DriverID Upload => file split (It was Reboot before)
 - ✓ Enhance DMS5 process finish method
 - ✓ Add DMSCMD_SERVERNOTITXT, DMSCOMD_SERVERNOTIWAV function
 - ✓ UploadMdt2 API => Max time from 2 minutes to 1 hour.
 - ✓ UploadMdt2 API => FPS setting function.
- 51) G-Sensor / Gyro sensor bandwidth value change
- 52) Error Media (Add SD media additional features)
- 53) SD Card Power Save mode
- 54) syslog write function.
- 55) GPS TIME SYNC logic using NTPD
- 56) Support LE910CX-AP modem QMI driver
- 57) https support
- 58) Strengthening the handling of defective DISK exceptions
- 59) Telit module signal monitoring
- 60) [DMS5] SENDDEV => make a zip and encrypt and then transmit.
- 61) SD resolution for network
- 62) Support IPv6
- 63) DMS4 serviceurl cmd function
- 64) First MDT Time Filter function
 - ✓ When there is year 2015 file, do not consider it as the First MDT Time
- 65) GPS Speed Filter
 - ✓ GPS Speed is from 0km/h to 1km/h, consider it as 0km/h.
- 66) UploadEvent=> Add Ignition Off/On Event
- 67) MODEL item function
- 68) Remote GSensor calibration function

8. Fixed

- 69) Debug kernel panic during using Wi-Fi
- 70) Debug G-Sensor algorithm setting when checked Auto adjust G-sensor to vehicle speed.
- 71) Debug PF detection and High temp. detection
- 72) Micom communication packet error
- 73) Debug I-Frame twice per second
- 74) Debug no writing Network Error log
- 75) Wakeup function when B+ disconnected
- 76) Debug fork() and unnecessary file copy
- 77) PPP_CONNECTION NG and system dead
- 78) Capture buffer and then system dead
- 79) Modem reboot after failed initialize
- 80) Disconnected during [DMS5] uploadmdt2, then send Last Mark 0byte data

Release Note. (CP2 2.2.0.RC2)

date: 2019.12.3

Base Version: CP2_2.2.0.RC1

1 Changes/New

- 1.1 Add First MDT Time Filter
 - Not use year 2015 for the First MDT Time.
- 1.2 Add] GPS Speed Filter
 - When GPS speed is from 0km/h to 1km/h, consider 1km/h as 0km/h.
- 1.3 Add Ignition Event
 - 1.3.1 UploadEvent API Trigger (Add IGNITION).
 - 1.3.2 Add settings

[DMS5]

property name	value type	description	default value
NET_EVENT_IGNITION	Int, 0 or 1	IGNITION Event Trigger 0 : Off, 1: On	0
NET_UPLOAD_EVENT_IMAGE_IGNITION	Int, 0 or 1	IGNITION Event UploadEvent Image 0: off, 1:on	0

- 1.4 When model number is in a setting.ini file, check the model number(2002) before change the settings.

1.4.1 Add settings

[SYSTEM]

property name	value type	description	default value
MODEL	int	MODEL ID	2002

- 1.5 DMS5 DMSCMD_GSENSORCALIBRATION Command: Support new MODE.
 - mode 0:instant, 1:speed, 2:shutdown

Release Note. (CP2 2.2.0.RC1)

date: 2019.11.1

Base Version: CP2_2.1.0

- 1 Changes/New
 - 1.1 DMS5
 - 1.1.1 Support DMSCMD_SETSERVICEURL Command
 - 1.2 Modem
 - 1.2.1 SW Upgrade: Support LE910C1-AP, HE910-EUD, HE910-NAD

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.
Devices will use version 2.1.0 from Nov. 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 temp file (drv, event) 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

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- 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 receives 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 Accept firmware without extension(.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.

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- 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)

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 happens 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 happens 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

CONFIDENTIAL

- 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 uses "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 bdtest 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. (CP2 1.1.3)

date: 2018.10.08

Base Version: CP2_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. (CP2 1.1.2.RC1)

date: 2018.08.31

Base Version: CP2_1.1.1

- 1 Changes/New
- 2 Fixed
 - 2.1 VIDEOSTD setting PAL => Reboot.

Release Note. (CP2 1.1.1)

date: 2018.07.19

Release Note. (CP2 1.1.1.RC2)

date: 2018.07.18

Base Version: CP2_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. (CP2 1.1.1.RC1)

date: 2018.06.14

Base Version: CP2_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