ECG2 SW Flash

Set Up:

- Install Python on your PC: **Don't forget to check this box**

- Connect ECG to Radmoon, Normally connect Ethernet cable to below TCU port;

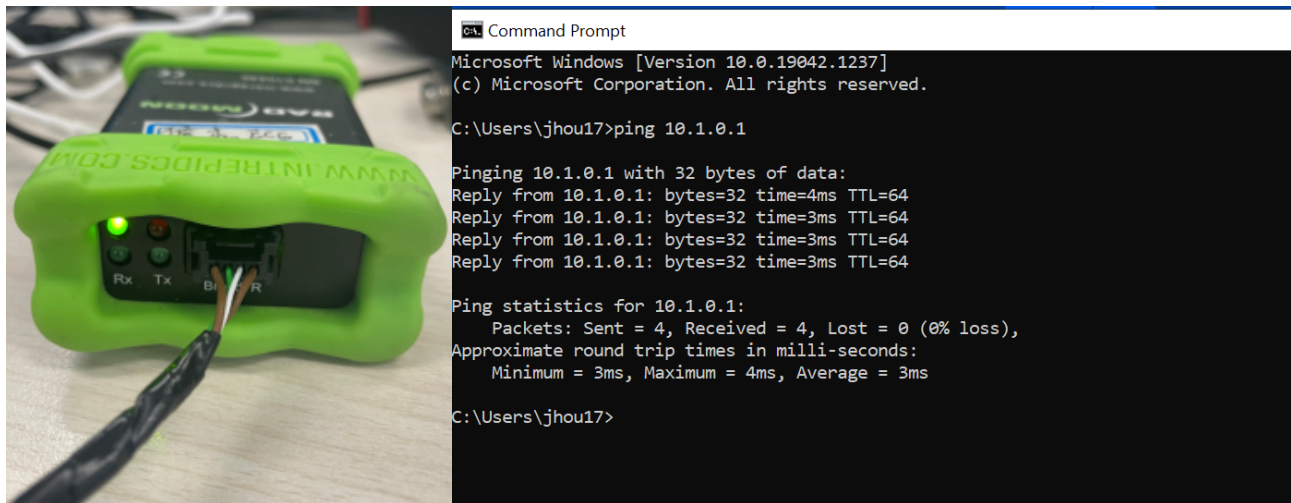- Set PC IP address, configure IP to 10.1.0.X if you are connected to TCU port;

- Modify ECG configure DE00, Modem as Reserved (if you are using TCU port);

DID 0xDE00 - ECG Optional Configuration

Name	Data Type	Size (Bits)	Raw Value	Eng. Value
Engine Type	State Encoded	4	0	0 - not configured (invalid)
Powered Roller Shutter Availability	State Encoded	1	0	0 - Not Available
HPCM_Presence	State Encoded	1	0	0 - Not Present
NetworkMultiplexing	State Encoded	1	0	0 - Diag2 Enabled
tcuDestRegion	State Encoded	3	0	0 - not configured (invalid)
optionalConfigurationState	State Encoded	1	1	1 - In-Vehicle content is n...
DID Add	Hexadecimal	16	0000	0000
Diag ID	Hexadecimal	16	0000	0000
MODEM	State Encoded	2	3	3 - reserved
SYNC	State Encoded	2	0	0 - Not Configured
ClusterType	State Encoded	2	0	0 - Not Configured
DAT	State Encoded	2	0	0 - Not Configured
HUD	State Encoded	2	0	0 - Not Configured

- Check connection: Check Radmoon LED & Ping host 10.1.0.1;

LED on & Ping success means IP connection is good;

Flash Debug Token:

- Read ESN & HWID: Read DID F17F & EEFA by DET or by Console app;
- Apply Debug Token, Token Contacts in REC: Jhou17 ; Txu11; Hni1 ; Czhu38;
- Flash Debug token by DET or by console App; (Don't forget to Hard reset after flash)
- Check Debug token by Reading DID D040 or by consoleapp;

Flash SW with script:

- Read current SW PN., with DET by DID: F188 / F10A /F16C / 8068 / 8033;
- Unzip Target ECG SW package, and cmd at path out;

OSDisk (C:) > 00 My Work > 04 ECG > 2 SW Bundle Release > ECG2 > ECG2-milestone-2021-10-Bundle-Release-1.0.29.78 > out

Name	Date modified	Type	Size
host	10/23/2021 4:31 PM	File folder	
target	10/23/2021 4:40 PM	File folder	
config	10/23/2021 4:41 PM	File	1 KB
config	10/23/2021 4:41 PM	Configuration settings	3 KB
edtLoadProduct	10/23/2021 4:41 PM	Windows Batch File	45 KB
loadProduct	10/23/2021 4:41 PM	Windows Batch File	1 KB
loadProduct	10/23/2021 4:41 PM	Python File	27 KB

- Flash with cmd: **loadproduct.bat --cdx706_my23_gashev**;

- Check PN., after flash done, read PN. with DID: F188 / F10A /F16C / 8068 / 8033;

If above not work, you will need to manually put device into fastboot mode:

1Manually Put Device into fastboot mode – By Debug Board

- Set up debug board to ECG;

Place the jumper on the 3rd pin from the Sim card tray. It is indentified by CCPU_Update_N

- Flash SW with script: loadproduct.bat --cdx706_my23_gashev

2Manually Put Device into fastboot mode – By DET

- Connect to **Diag1** by DET, and set Periodic Frame tool by below:

- Power cycle or Hard reset(0x1101) to ECG by DET, then you will have device in fastboot mode;
- Flash SW with script: loadproduct.bat --cdx706_my23_gashev

3: edt connect 10.1.0.1; edt shell reboot bootloader;

ECG2fastboot mode:

out/host/bin/win_x86cmd: fastboot -s tcp:10.1.0.1:9123 oem info, log,fastboot (fastbootDETECG

```
C:\jhou17\00 My Work\04 ECG\2 SW Bundle Release\ECG2\ECG2-milestone-2021-11-Bundle
ut\host\bin\win_x86>fastboot -s tcp:10.1.0.1:9123 oem info
                                        (bootloader)
(bootloader) Primary Bootloader Information:
(bootloader)    Version:        ECG2-milestone-2021-11-bootloader 2021 11/17/21_1
(bootloader)    Build Number:   jenkins-ECG-milestone-ECG-2021-11-ECG2-miles
(bootloader)    SW Part #:      ZU5T-14H481-AAF00025/1.0.30.25
(bootloader)
(bootloader) Backup Bootloader Informatiom:
```

fastboot: fastboot reboot;