

EC2X&AG35-QuecOpen

The Method to Enter QDloader Mode

LTE Module Series

Rev. EC2X&AG35-QuecOpen_The_Method_to_Enter_QDloader_Mode

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About the Document

History

Revision	Date	Author	Description
1.0	2017-11-17	Gale GAO	Initial

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1

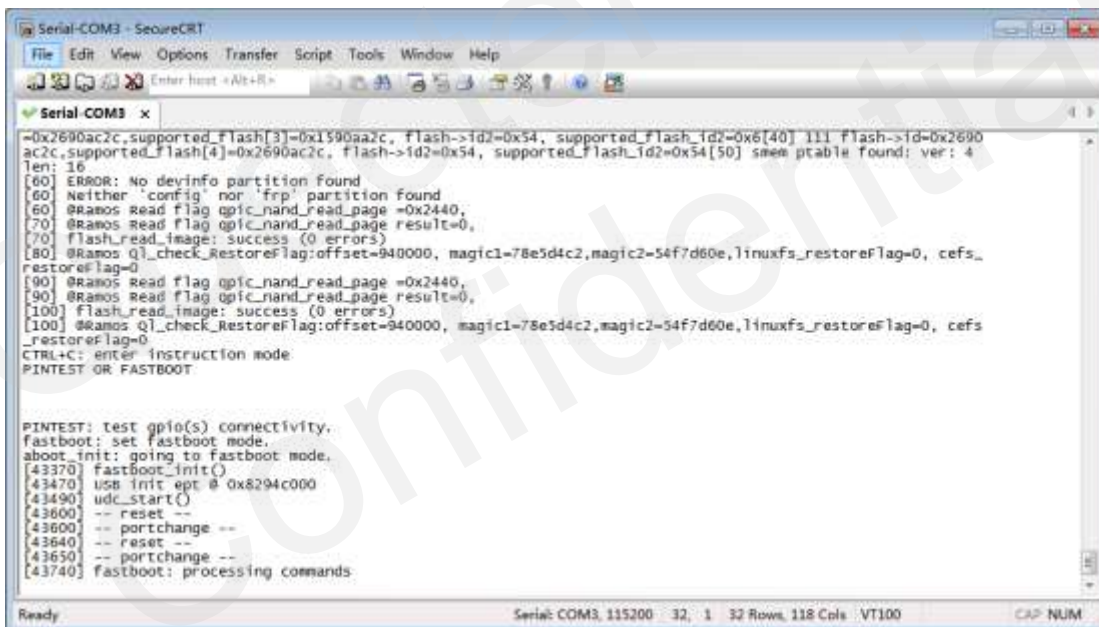
- 1.1.
- 1.2.

2

Enter QDloader Mode by Fastboot

1 Step 1: Enter fastboot Mode

- Insert Module to EVB board.
- Except connecting host to EVB board through USB port or main UART port, please use USB to serial cable to connect DEBUG port on EVB board.
- 1.1. ● Open a serial tool, such as SecureCRT, press ctrl+c to let module boot. Then enter **fastboot** as shown below.



```

Serial-COM3 - SecureCRT
File Edit View Options Transfer Script Tools Window Help
Enter host <Alt+R>
Serial COM3 x
-0x2690ac2c,supported_flash[3]=0x1590aa2c, flash->id2=0x54, supported_flash_id2=0x6[40] 111 flash->id=0x2690
ac2c,supported_flash[4]=0x2690ac2c, flash->id2=0x54, supported_flash_id2=0x54[50] smem ptblie found: ver: 4
len: 16
[60] ERROR: No devinfo partition found
[60] Neither 'config' nor 'frp' partition found
[60] @Ramos Read flag gp1c_nand_read_page =0x2440,
[70] @Ramos Read flag gp1c_nand_read_page result=0,
[70] flash_read_image: success (0 errors)
[80] @Ramos Q1_check_RestoreFlag:offset=940000, magic1=78e5d4c2,magic2=54f7d60e,linuxfs_restoreFlag=0, cefs_
restoreFlag=0
[90] @Ramos Read flag gp1c_nand_read_page =0x2440,
[90] @Ramos Read flag gp1c_nand_read_page result=0,
[100] flash_read_image: success (0 errors)
[100] @Ramos Q1_check_RestoreFlag:offset=940000, magic1=78e5d4c2,magic2=54f7d60e,linuxfs_restoreFlag=0, cefs_
_restoreFlag=0
CTRL+C: enter instruction mode
PINTEST OR FASTBOOT

PINTEST: test gpio(s) connectivity.
fastboot: set fastboot mode.
aboot_init: going to fastboot mode.
[43370] fastboot_init()
[43470] usb_init_opt @ 0x8294c000
[43490] udc_start()
[43600] -- reset --
[43600] -- portchange --
[43640] -- reset --
[43650] -- portchange --
[43740] fastboot: processing commands
Ready Serial COM3, 115200 32, 1 32 Rows, 118 Cols VT100 CAP NUM

```

1.2.

Step 2: Erase SBL with ADB Tool



adb.rar

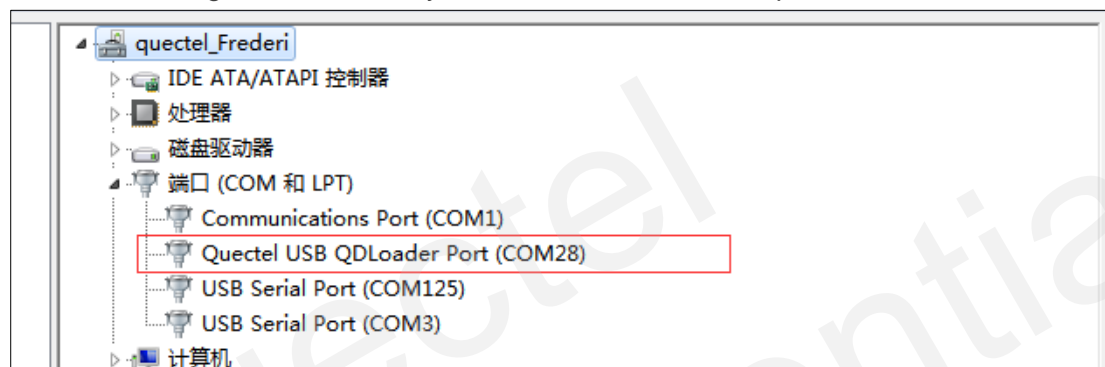
- Enter into cmd, execute **fastboot erase sbl** under adb directory.

```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation.

C:\Users\golden.chen>fastboot erase sbl
erasing 'sbl'...
OKAY [ 0.020s]
finished. total time: 0.021s

C:\Users\golden.chen>
```

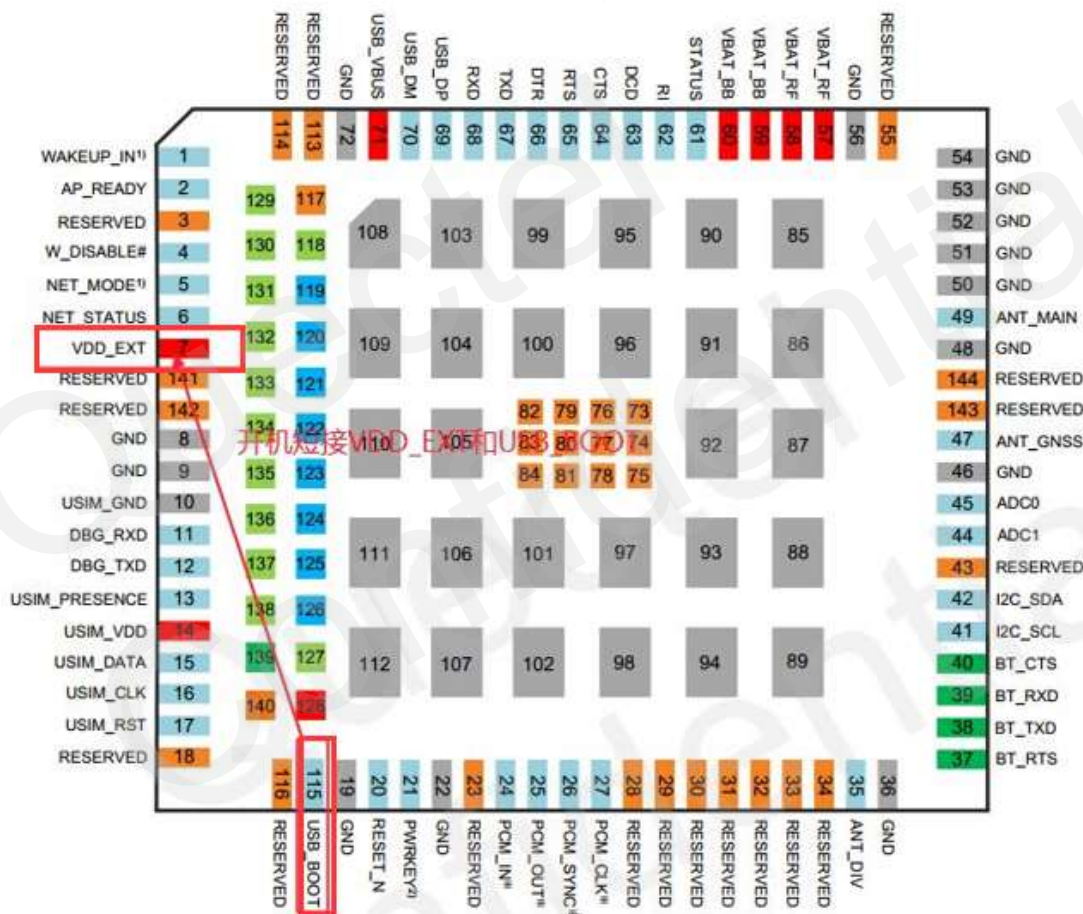
- After erasing SBL successfully, reboot module, QDloader port will be shown in Device Manager.



Enter QDloader Mode by Shorting Pin VDD_EXT and USB_boot

2

If pull high pin USB_BOOT when power on could enter QDloader and VDD_EXT could output 1.8V voltage.



Reboot module after shorting to enter QDloader mode.