Linux System Flash Tool Guidance

Version: 1.0.0

Update date: 2016.03.25

Applicability Table

No.	Product model	Description

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Trademark

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Version Record

Version	Update Date	Description
V1.0.0	2016-03-25	Initial version

Contents

1   Compile

1.1   Source Code

1. Flashdownloadtool.zip

1.2   Compile

1. Unzip the source code file into a directory
2. Excute 'make.sh' command to build the code
3. Excute 'make_clean.sh' command to clean the code
4. DownloadTool and libDownloadTool.so files would be created in the directory.

⚠️ If used embed Linux system, you need to use your cross compile tool instead gcc.
You can define your cross compile tool in make.sh.

2 Using the tool

2.1   Upgrade

1. Place the upgrade file into the same directory with DownloadTool and libDownloadTool.so
2. Execute DownloadTool L816_V1A.0D.00.03_T02_NAND.fls --library=/lib/libDownloadTool.so
3. It will show "Please reboot your phone device" message, then reboot your 4G module.
4. After reboot 4G module, the upgrade process will run automatically.
5. If success, it will show "Success!" message, If failed, error log will be shown.

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The Upgrade command:

DownloadTool L816_V1A.0D.00.03_T02_NAND.fls --library=/lib/libDownloadTool.so

xxx.fls means the software firmware version

--library means the library need to used.

2.2 Confirm the version

After upgrade success, you need to check the firmware version.

Follow these steps to check the version:

1. Execute ls -al /dev/ttyACM* to confirm the port exist or not.

2. Execute echo -e "ATE0\r\n" > /dev/ttyACM2

3. Execute cat /dev/ttyACM2 &

4. Execute echo -e "at+cgmr\r\n" > /dev/ttyACM2

```
ght@fibocom:~/flashdownloadtool$ ls -al /dev/ttyACM*
crwxrwxrwx 1 root dialout 166, 0 Mar 26 10:27 /dev/ttyACM0
crwxrwxrwx 1 root dialout 166, 1 Mar 26 10:27 /dev/ttyACM1
crwxrwxrwx 1 root dialout 166, 2 Mar 26 10:27 /dev/ttyACM2
ght@fibocom:~/flashdownloadtool$ echo -e "ATE0\r\n" > /dev/ttyACM2
ght@fibocom:~/flashdownloadtool$ cat /dev/ttyACM2 &
[1] 3944
ght@fibocom:~/flashdownloadtool$ echo -e "at+cgmr\r\n" > /dev/ttyACM2
ght@fibocom:~/flashdownloadtool$
+CGMR: "L816_V1A.0D.00.03_T02"

OK

ght@fibocom:~/flashdownloadtool$
```

If the version is wrong, you need to upgrade it once again.