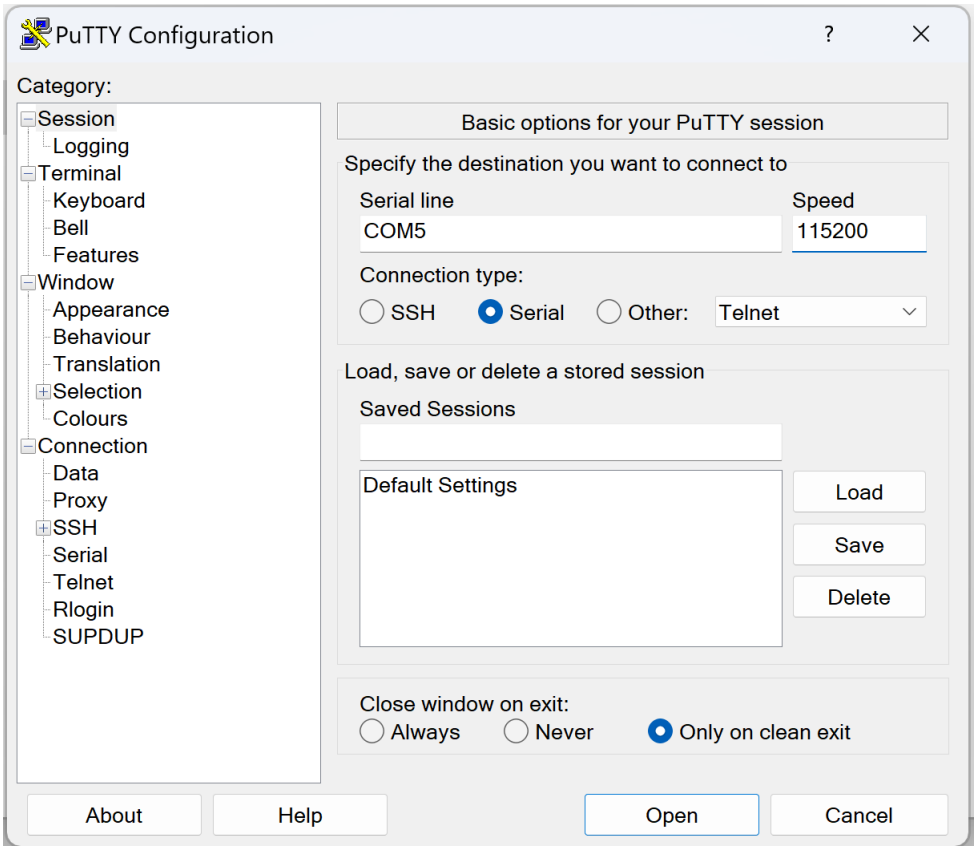
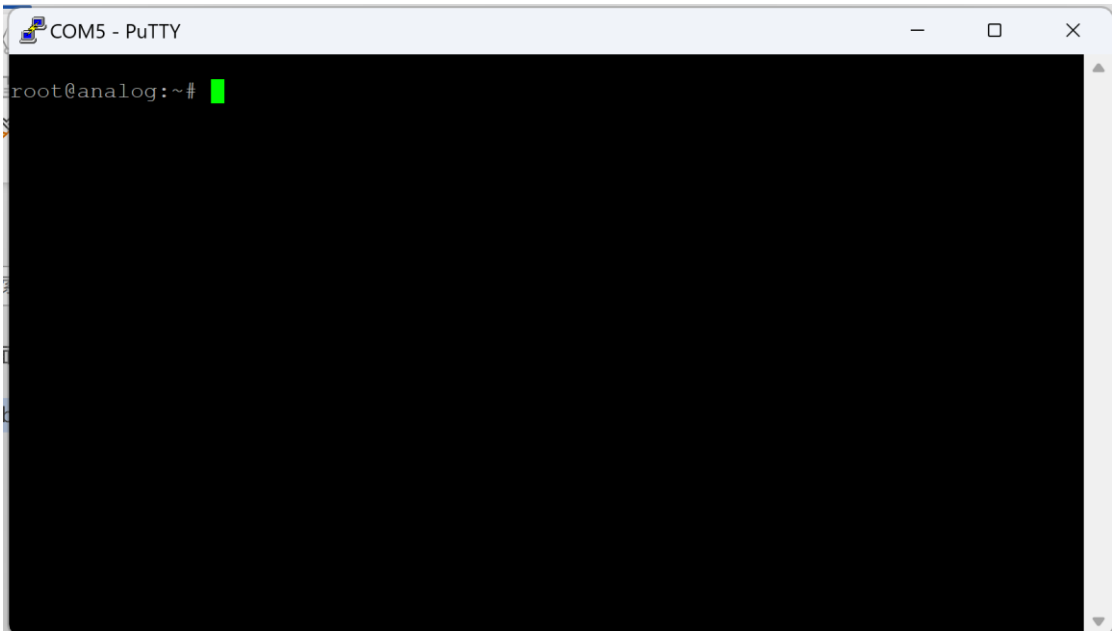
How to burn the firmware to flash

1. Get the file all we need;
2. Install the install_digilent.exe;
3. Reboot the computer;
4. Cope the burn_flash folder to the sd card;
5.
6. Insert the SD card into the module and connect to the computer through the debug port
7. Find the uart port;
8. 

9. Use the 2ed port as an console;
10. Open the putty

11. 

12. Click the open
13. Type the end we will get an linux console;
14. 

15. Enter commands
    - mount /dev/mmcblk0p1 /mnt
    - cd /mnt/burn_flash
    - chmod +x autoconfig.sh
    - ./autoconfig.sh

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```
root@analog:~# mount /dev/mmcblk0p1 /mnt
root@analog:~# cd /mnt/burn_flash/
root@analog:/mnt/burn_flash# chmod +x
autoconfig.sh  mtd0           mtd1           mtd2
root@analog:/mnt/burn_flash# chmod +x
autoconfig.sh  mtd0           mtd1           mtd2
root@analog:/mnt/burn_flash# chmod +x autoconfig.sh
root@analog:/mnt/burn_flash# ./autoconfig.sh
512+0 records in
512+0 records out
262144 bytes (262 kB) copied, 0.619828 s, 423 kB/s
256+0 records in
256+0 records out
131072 bytes (131 kB) copied, 0.303258 s, 432 kB/s
12288+0 records in
12288+0 records out
6291456 bytes (6.3 MB) copied, 12.9479 s, 486 kB/s
root@analog:/mnt/burn_flash#
```

16.
17. Wait for complete;
18. Enter the poweroff command

```
COM5 - PuTTY
resize: unknown character, exiting.
root@analog:~# mount /dev/mmcblk0p
mmcblk0p1  mmcblk0p2  mmcblk0p3
root@analog:~# mount /dev/mmcblk0p1 /mnt
root@analog:~# cd /mnt/burn_flash/
root@analog:/mnt/burn_flash# chmod +x
autoconfig.sh  mtd0           mtd1           mtd2
root@analog:/mnt/burn_flash# chmod +x
autoconfig.sh  mtd0           mtd1           mtd2
root@analog:/mnt/burn_flash# chmod +x autoconfig.sh
root@analog:/mnt/burn_flash# ./autoconfig.sh
512+0 records in
512+0 records out
262144 bytes (262 kB) copied, 0.619828 s, 423 kB/s
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12288+0 records in
12288+0 records out
6291456 bytes (6.3 MB) copied, 12.9479 s, 486 kB/s
root@analog:/mnt/burn_flash#  * Setting up X socket directories...       [ OK ]
 * STARTDISTCC is set to false in /etc/default/distcc
 * /usr/bin/distccd not starting
 * Starting IIO Daemon iiod                                             [fail]

root@analog:/mnt/burn_flash# poweroff

Broadcast message from root@analog
        (/dev/ttyPS0) at 0:03 ...

The system is going down for power off NOW!
root@analog:/mnt/burn_flash# wait-for-state stop/waiting
 * Stopping IIO Daemon iiod                                                    sh: echo: I/O error
                                                                              [ OK ]
 * Stopping Distributed Compiler Daemon: distccd                              [ OK ]
 * Stopping rsync daemon rsync                                                [ OK ]
 * Asking all remaining processes to terminate...                             [ OK ]
 * All processes ended within 1 seconds...                                    [ OK ]
 * Deactivating swap...                                                       [ OK ]
 * Unmounting local filesystems...                                            [ OK ]
 * Will now halt
reboot: System halted
```
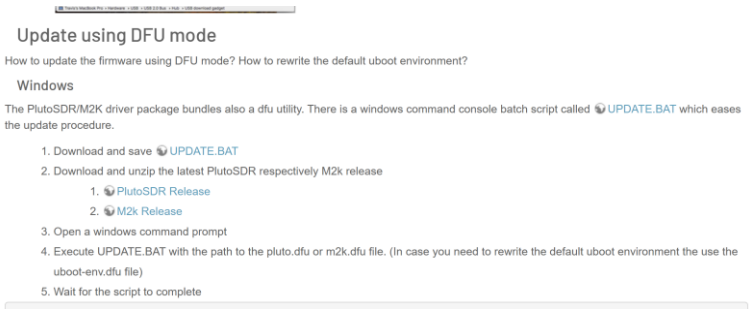

19.
20.

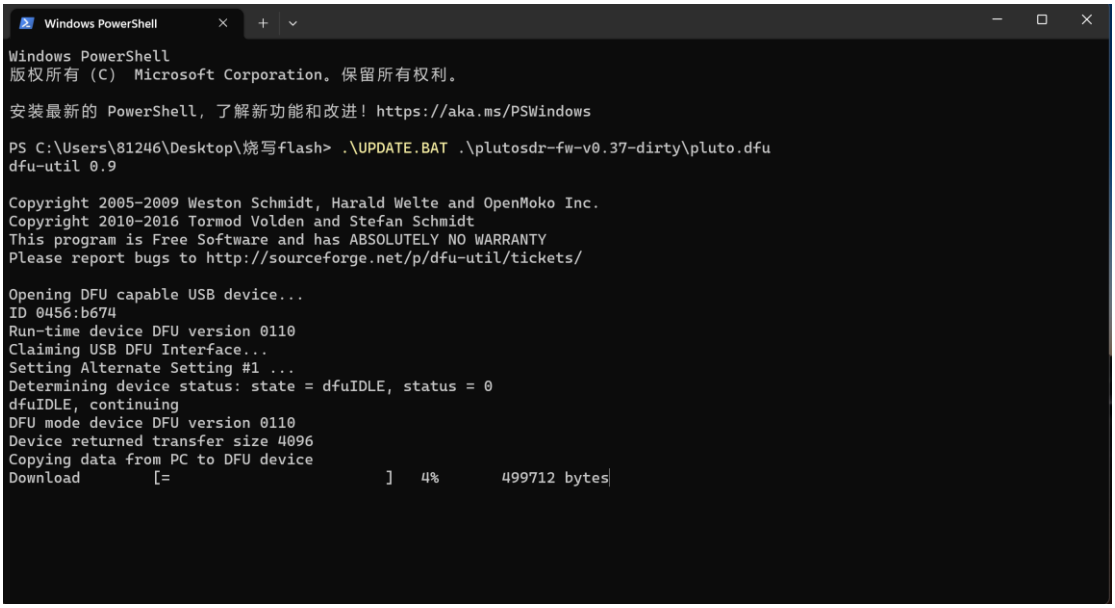
21. 
22. Congratulations, you have completed 99% of the work

23. Install the pluto driver [Windows Drivers [Analog Devices Wiki]]

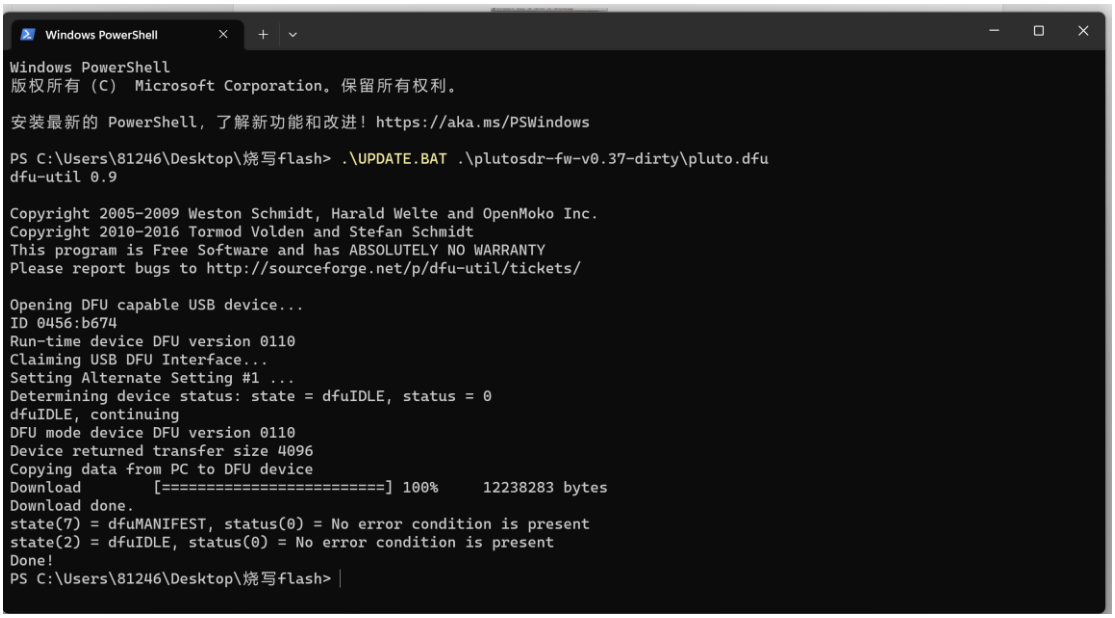
24. Connect the module use the otg port;

25. 

26. [Pluto/M2k Firmware Updates [Analog Devices Wiki]] **Update the firmware I provided with UPDATE.BAT**

27. 

28. Wait for a moment

29. 

30. Reconnect the usb.

31. You will see an LED flashing;

Summary:

1. We use SD cards to burn down the basic parts
2. Using dfu to burn and write pluto firmware

Attention points:

When using dfu mode, unplug the SD card