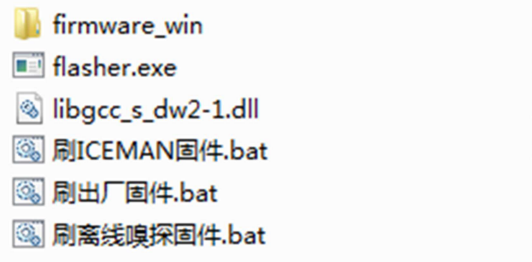
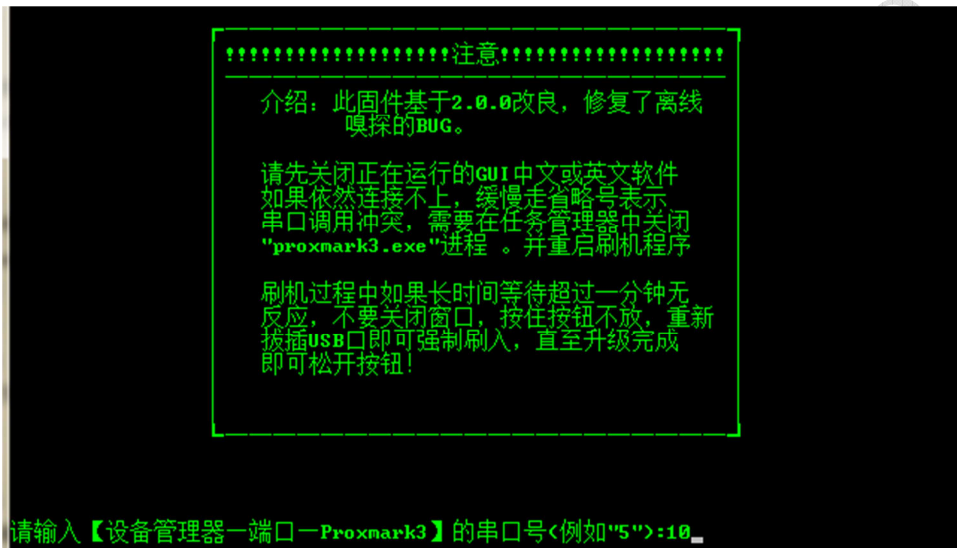


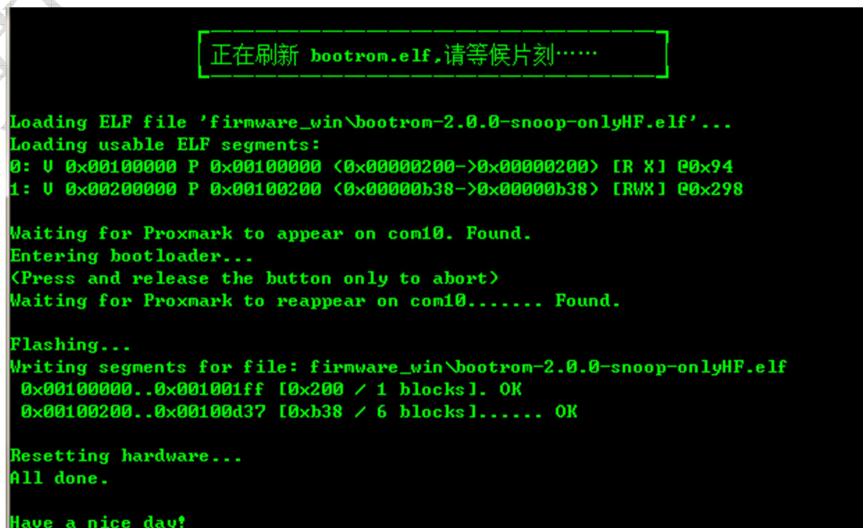
1. 选择要刷的固件，有离线嗅探固件，有出厂固件以及 iceman 固件



2. 刷离线教程



- a) 输入端口号，端口号在设备管理器-端口可以看到，一直直到自动刷完固件位置



```
正在刷新 fullimage.elf,请等候片刻.....

Loading ELF file 'firmware_win\fullimage-2.0.0-snoop-onlyHF.elf'...
Loading usable ELF segments:
0: U 0x00102000 P 0x00102000 <0x0001497e->0x0001497e> [R ] @0xb4
1: U 0x00118000 P 0x00118000 <0x0001cee1->0x0001cee1> [R X] @0x14a38
2: U 0x00200000 P 0x00134ee1 <0x000029c8->0x000029c8> [RWX] @0x31920
Note: Extending previous segment from 0x1cee1 to 0x1f8a9 bytes

Waiting for Proxmark to appear on com10. Found.
Entering bootloader...
(Press and release the button only to abort)
Waiting for Proxmark to reappear on com10..... Found.

Flashing...
Writing segments for file: firmware_win\fullimage-2.0.0-snoop-onlyHF.elf
0x00102000..0x0011697d [0x1497e / 165 blocks].....
..... OK
0x00118000..0x001378a8 [0x1f8a9 / 253 blocks].....
```

3. 刷 iceman 固件

a) 输入端口号

```
!!!!!!!!!!!!!!!!!!!!!!注意!!!!!!!!!!!!!!!!!!!!!!

请先关闭正在运行的GUI中文或英文软件
如果依然连接不上,缓慢走省略号表示
串口调用冲突,需要在任务管理器中关闭
"proxmark3.exe"进程。并重启刷机程序

刷机过程中如果长时间等待超过一分钟无
反应,不要关闭窗口,按住按钮不放,重新
拔插USB口即可强制刷入,直至升级完成
即可松开按钮!

请输入【设备管理器一端口—Proxmark3】的串口号<例如"5">:10_
```

```
正在刷新 bootrom.elf,请等候片刻.....

Loading ELF file 'firmware_win\bootrom-iceman.elf'...
Loading usable ELF segments:
0: U 0x00100000 P 0x00100000 <0x00000200->0x00000200> [R X] @0x94
1: U 0x00200000 P 0x00100200 <0x00000c80->0x00000c80> [RWX] @0x298

Waiting for Proxmark to appear on com10. Found.
Entering bootloader...
(Press and release the button only to abort)
Waiting for Proxmark to reappear on com10..... Found.

Flashing...
Writing segments for file: firmware_win\bootrom-iceman.elf
0x00100000..0x001001ff [0x200 / 1 blocks]. OK
0x00100200..0x00100e7f [0xc80 / 7 blocks]..... OK

Resetting hardware...
All done.

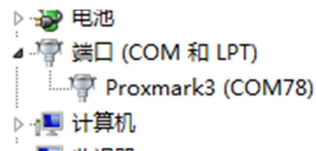
Have a nice day!
_
```

- b) 刷到这里的时候,会停在下面的图上,因为端口号发生了变化,这个时候拔掉设备,按住设备右侧的按钮不要松开,重新插上设备,在设备管理器看到端口变了,这里是由 10 变成了 78

```
正在刷新 fullimage.elf,请等候片刻.....

Loading ELF file 'firmware_win\fullimage-iceman.elf'...
Loading usable ELF segments:
0: U 0x00102000 P 0x00102000 <0x00031258->0x00031258> [R X] 00x94
1: U 0x00200000 P 0x00133258 <0x00001af4->0x00001af4> [RW I] 00x312ec
Note: Extending previous segment from 0x31258 to 0x32d4c bytes

Waiting for Proxmark to appear on com10.....
```



c) 关掉软件，重新打开输入新的端口号

```
!!!!!!!!!!!!!!!!!!!!!!注意!!!!!!!!!!!!!!!!!!!!!!

请先关闭正在运行的GUI中文或英文软件
如果依然连接不上，缓慢走弯路号表示
串口调用冲突，需要在任务管理器中关闭
"proxmark3.exe"进程，并重启刷机程序

刷机过程中如果长时间等待超过一分钟无
反应，不要关闭窗口，按住按钮不放，重新
拔插USB口即可强制刷入，直至升级完成
即可松开按钮！

请输入【设备管理器—端口—Proxmark3】的串口号<例如"5">:78
```

```
正在刷新 fullimage.elf,请等候片刻.....

Loading ELF file 'firmware_win\fullimage-iceman.elf'...
Loading usable ELF segments:
0: U 0x00102000 P 0x00102000 <0x00031258->0x00031258> [R X] 00x94
1: U 0x00200000 P 0x00133258 <0x00001af4->0x00001af4> [RW I] 00x312ec
Note: Extending previous segment from 0x31258 to 0x32d4c bytes

Waiting for Proxmark to appear on com78. Found.

Flashing...
Writing segments for file: firmware_win\fullimage-iceman.elf
0x00102000..0x00134d4b [0x32d4c / 407 blocks].....
.....
```

```
恭喜您! iceman固件全部刷写完成!

日行一善，善如春园之草，不见其长，日有所增；
日行一恶，恶如磨刀之石，不见其亏，日有所减！

Binary

请按任意键继续. . .
```