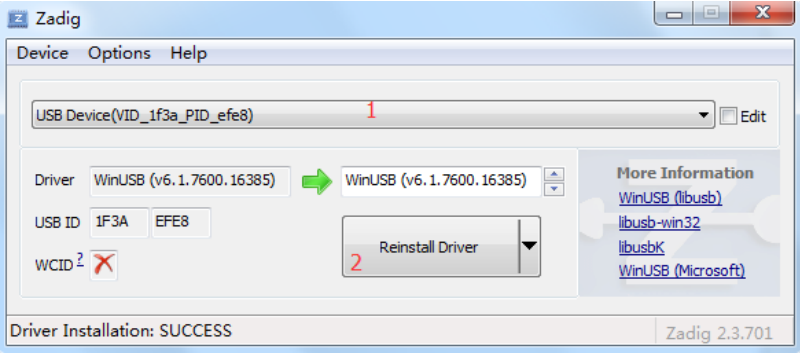


f1c200 USB方式刷机

- 1. 下载并解压缩zadig-2_3_exe.7z, sunxi-tools-win32_f1_flash.zip
- 2. 不插TF卡，按住BOOT按钮后插入USB线；或者先插入USB，保持按住BOOT按钮姿势时短按下RST键，可主动进入USB刷机模式，电脑检测到新的usb烧写设备。
- 3. 打开 zadig, 选择 Options → List All Devices, 选择全志的设备, 点击安装驱动按钮 刚开始插上电脑会出现“未知设备”，VID为1F3A,PID为EFE8 在win上通过安装驱动。



sunxi-fel用法

查看芯片信息sunxi-fel ver
AWUSBFEX soc=00001663(F1C100s) 00000001 ver=0001 44 08 scratchpad=00007e00 00000000
00000000

列出所有芯片的信息sunxi-fel -l
USB device 001:020 Allwinner F1C100s

显示spiflash的信息sunxi-fel spiflash-info
Manufacturer: Winbond (EFh), model: 40h, size: 16777216 bytes.

烧写一体镜像文件： sunxi-fel.exe -p spiflash-write 0 ..\flash_16m.bin
100% [=====] 16777 kB, 55.0 kB/s

按偏移烧写各个数据：

```
sunxi-fel -p spiflash-write 0x000000 u-boot-sunxi-with-spl.bin
sunxi-fel -p spiflash-write 0x110000 zImage
sunxi-fel -p spiflash-write 0x100000 suniv-f1c100s-xxxxx.dtb
sunxi-fel -p spiflash-write 0x510000 jffs2.bin
```

更多用法： sunxi-fel -h

按照偏移将各个数据打包成一体镜像文件（linux下）：

```
dd if=/dev/zero bs=1MiB count=16 | tr "\000" "\377" > flash_16m.bin

###合并u-boot, whycan.bmp.gz, dtb, kernel, rootfs 到 flash_16m.bin ###
dd if=notrunc if=u-boot-sunxi-with-spl.bin of=flash_16m.bin seek=0
dd if=notrunc if=whycan.bmp.gz of=flash_16m.bin
bs=$((0x060000)) seek=1
dd if=notrunc if=suniv-f1c100s-xxxxx-480272.dtb of=flash_16m.bin bs=$((0x100000)) seek=1
dd if=notrunc if=zImage of=flash_16m.bin
bs=$((0x110000)) seek=1
dd if=notrunc if=jffs2.bin of=flash_16m.bin
bs=$((0x510000)) seek=1
```