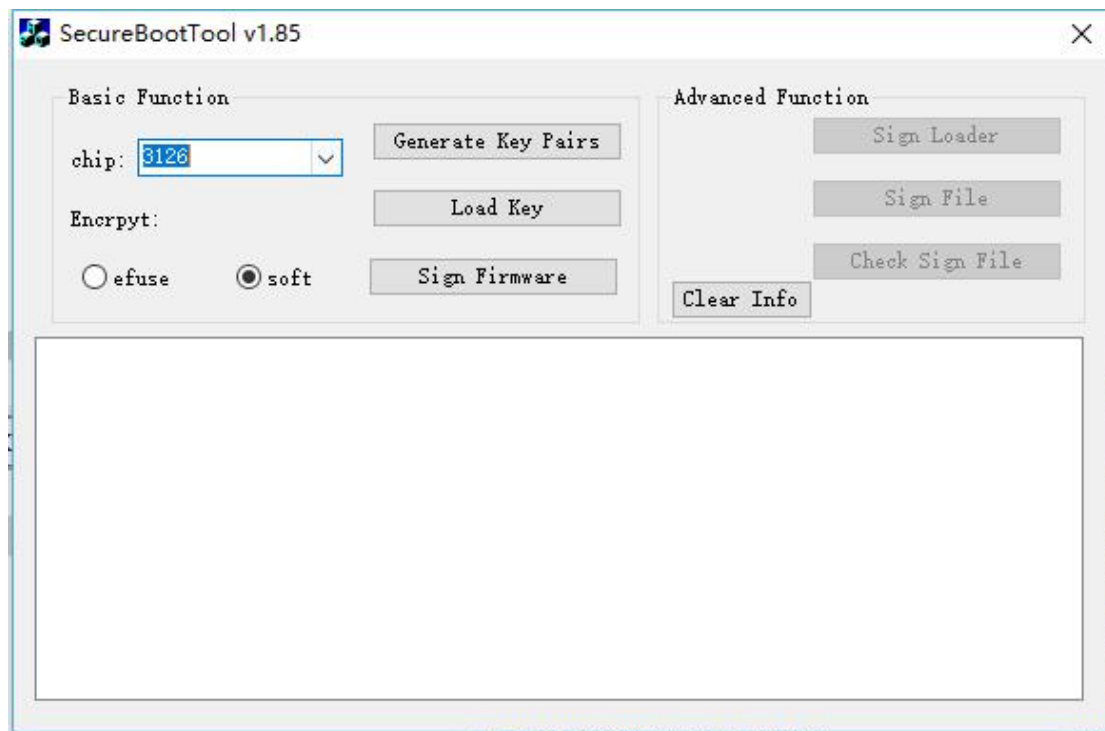
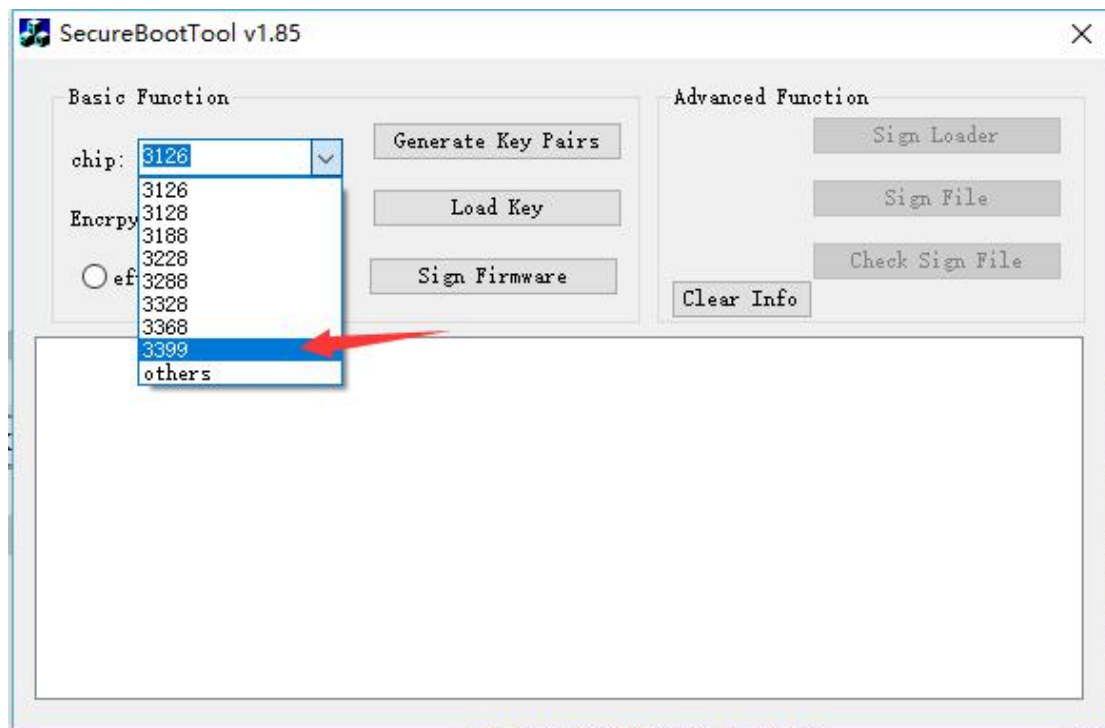


1, Generate public keys and keys

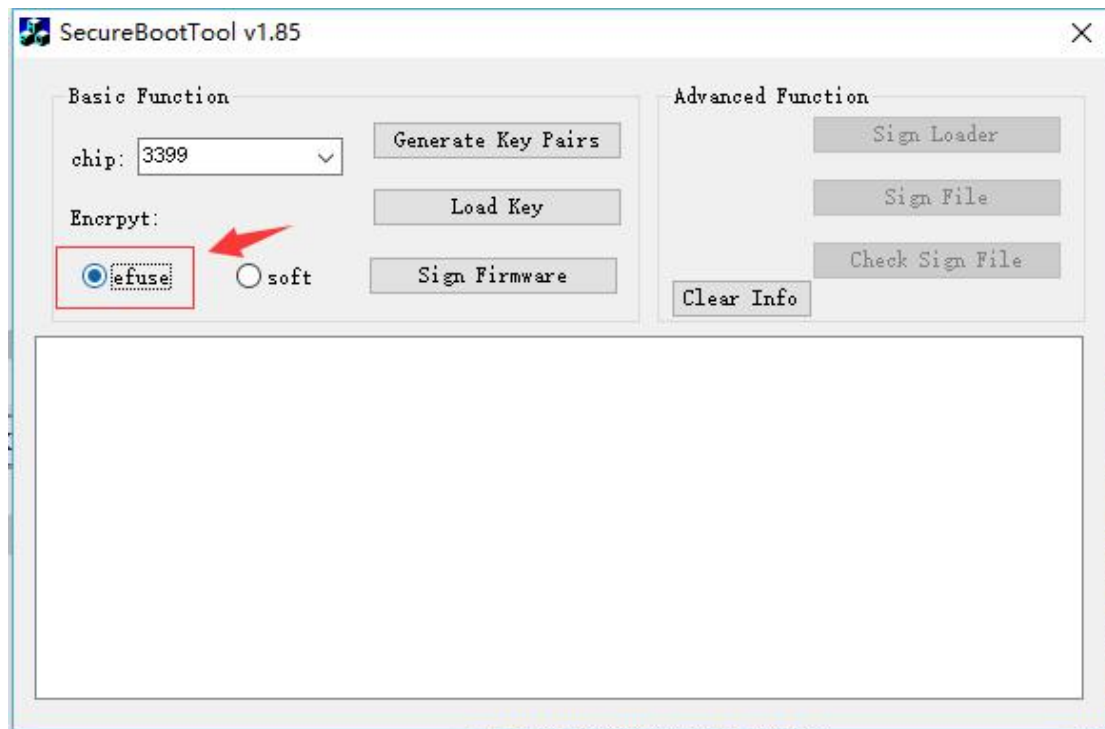
Open tools "SecureBootTool v1.85"



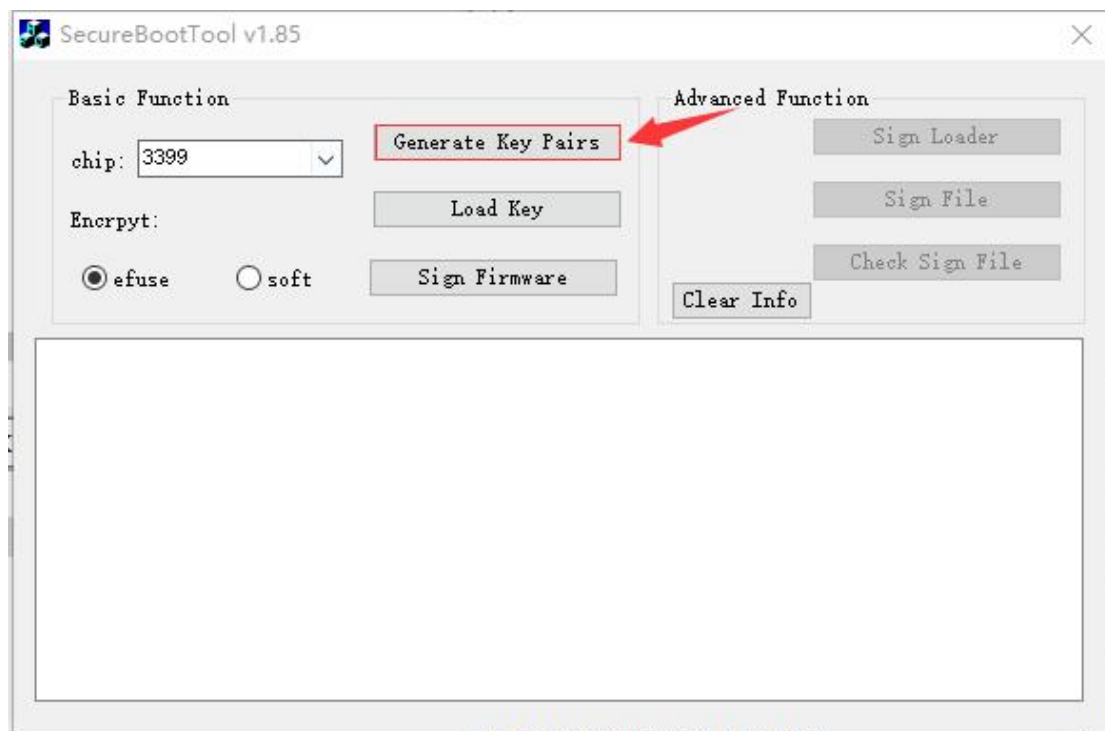
Select chip: 3399



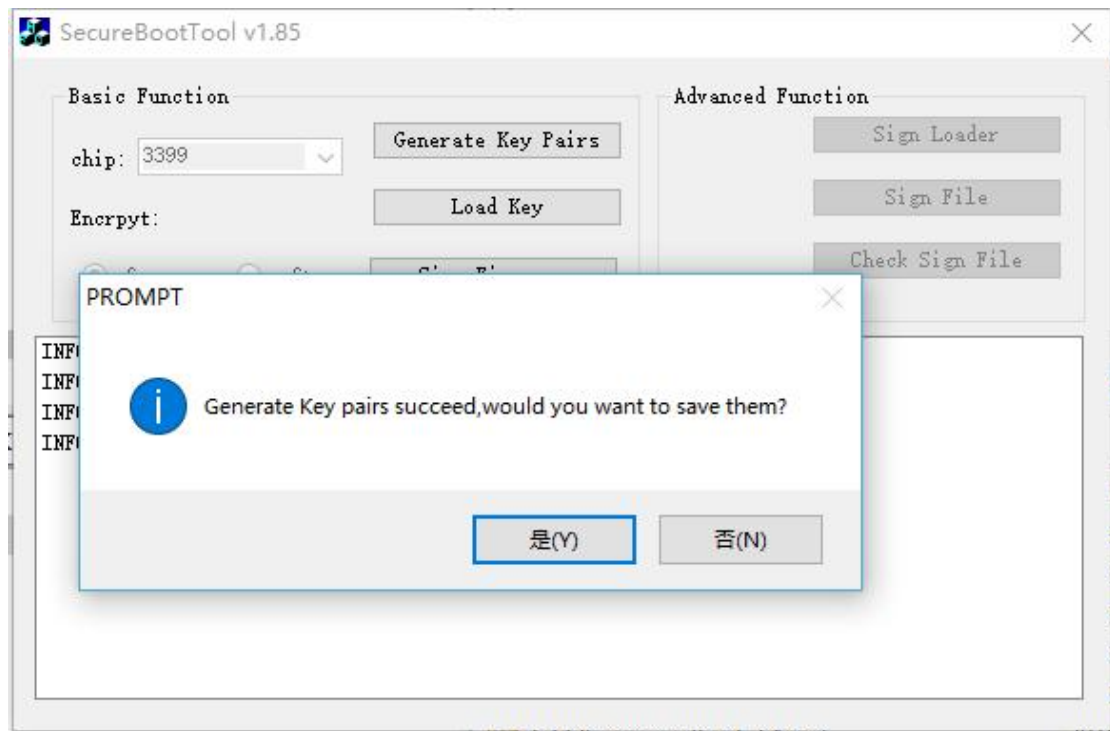
Select "Encrypt" type:efuse



Select "Generate Key Pairs" to create key



Created success and save



After saving the following key file

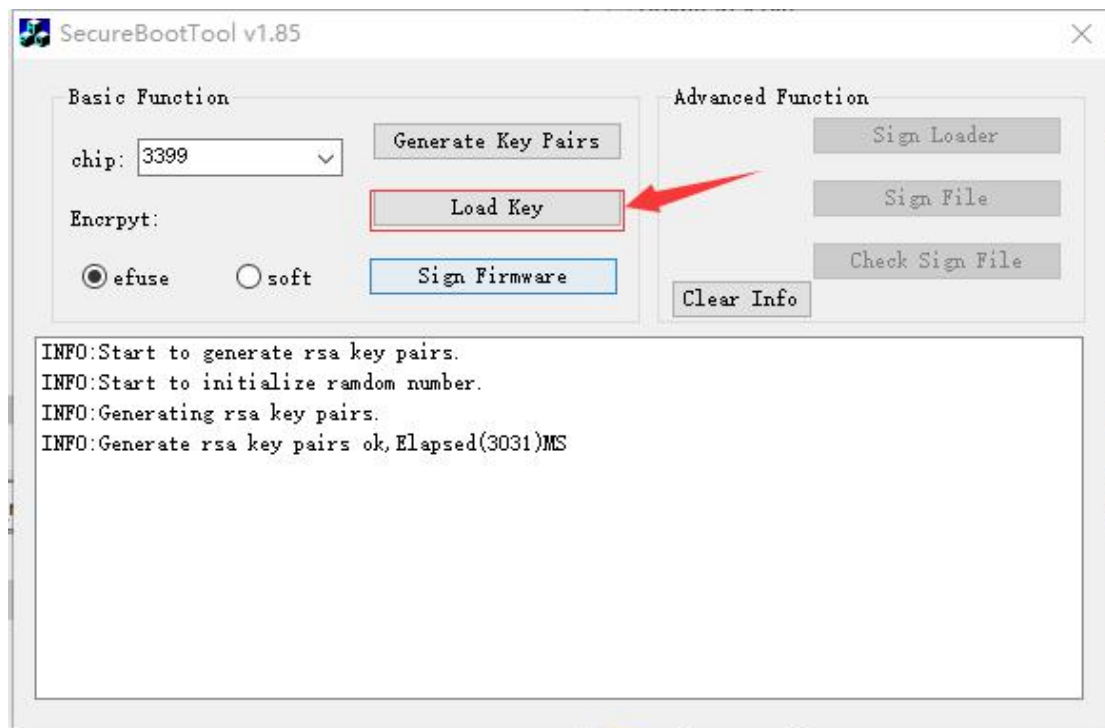
privateKey.bin	2018/5/14 11:27	BIN 文件
publicKey.bin	2018/5/14 11:27	BIN 文件

## 2, Signature firmware

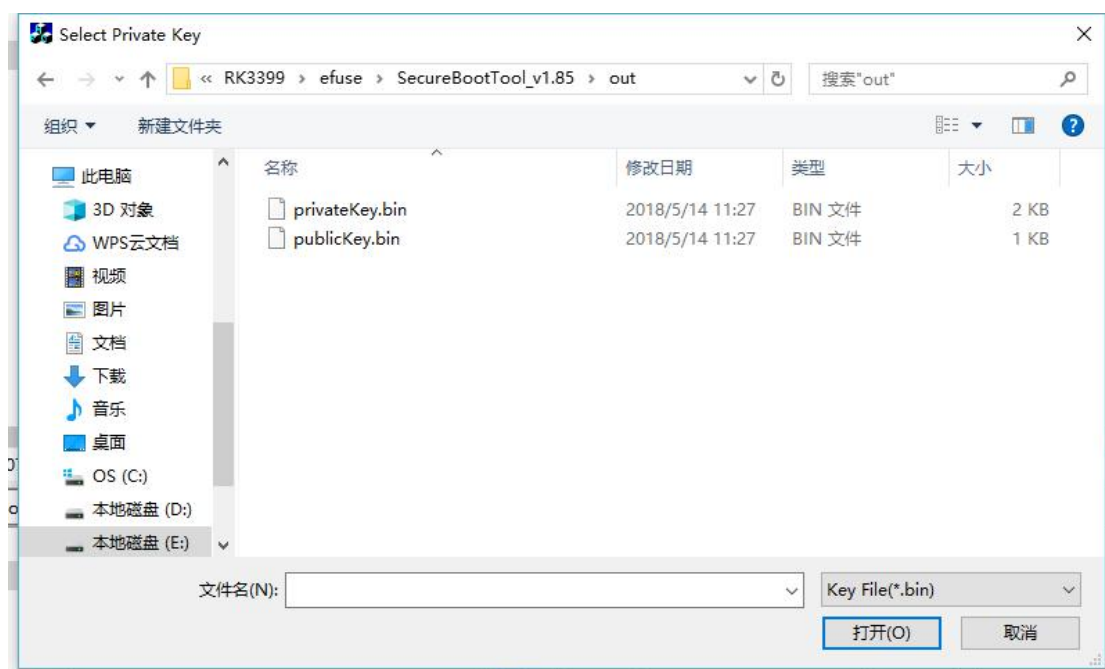
Open tool SecureBootTool v1.85, config as create key



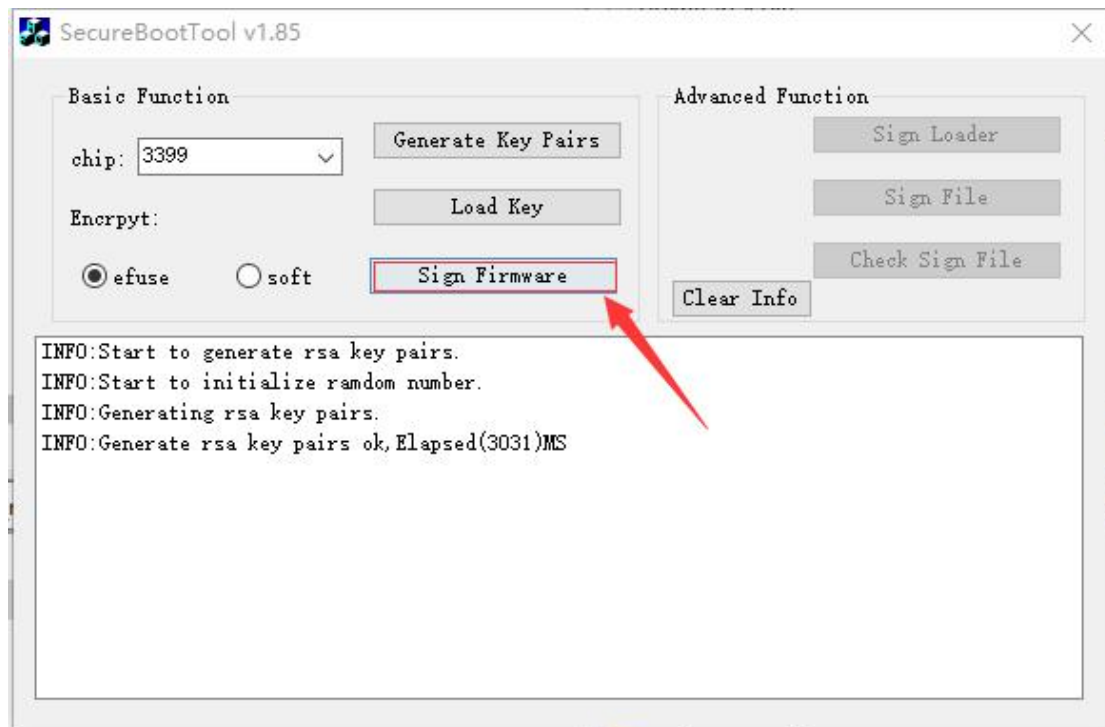
Click "Load Key" button to loader key



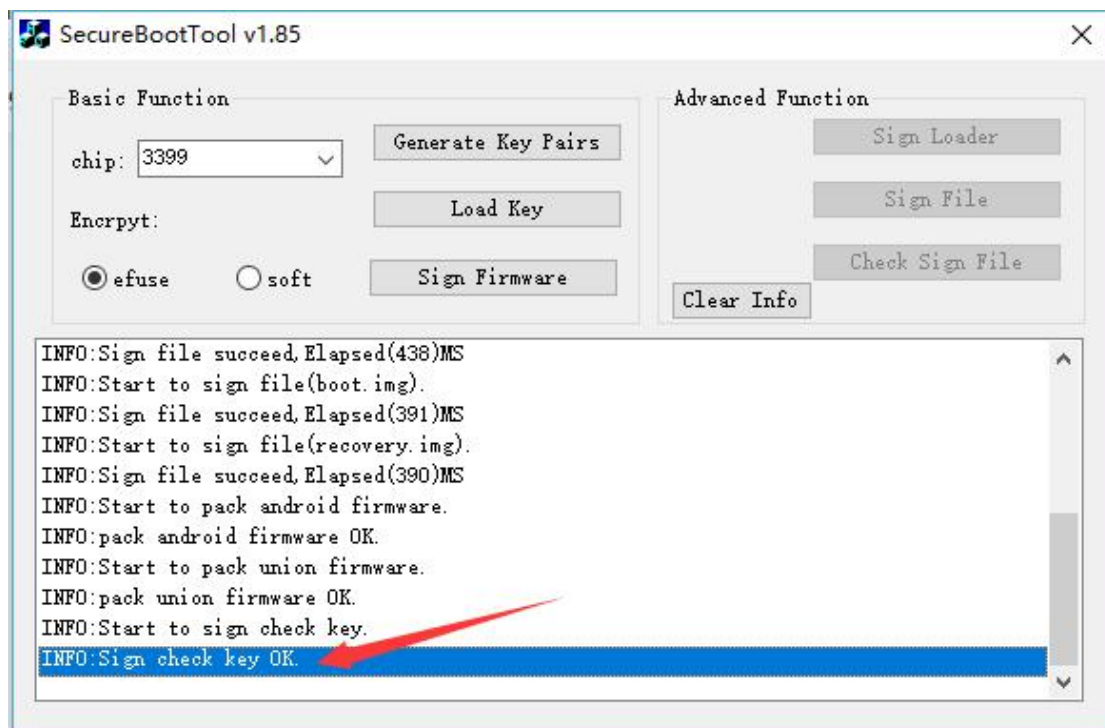
Select the key file generated in the previous step, where the public and private keys are loaded twice



Click the "Sign Firmware" button to select the Firmware to Sign. For compilation and packaging of Firmware, refer to section 2 of rockchip\_secure\_boot\_application\_note\_v1.2.1\_20171128.pdf.



The firmware signing process takes about 10 minutes, and the signed firmware is under the out directory in the path where the tool is located, and its name is update\_signal.img

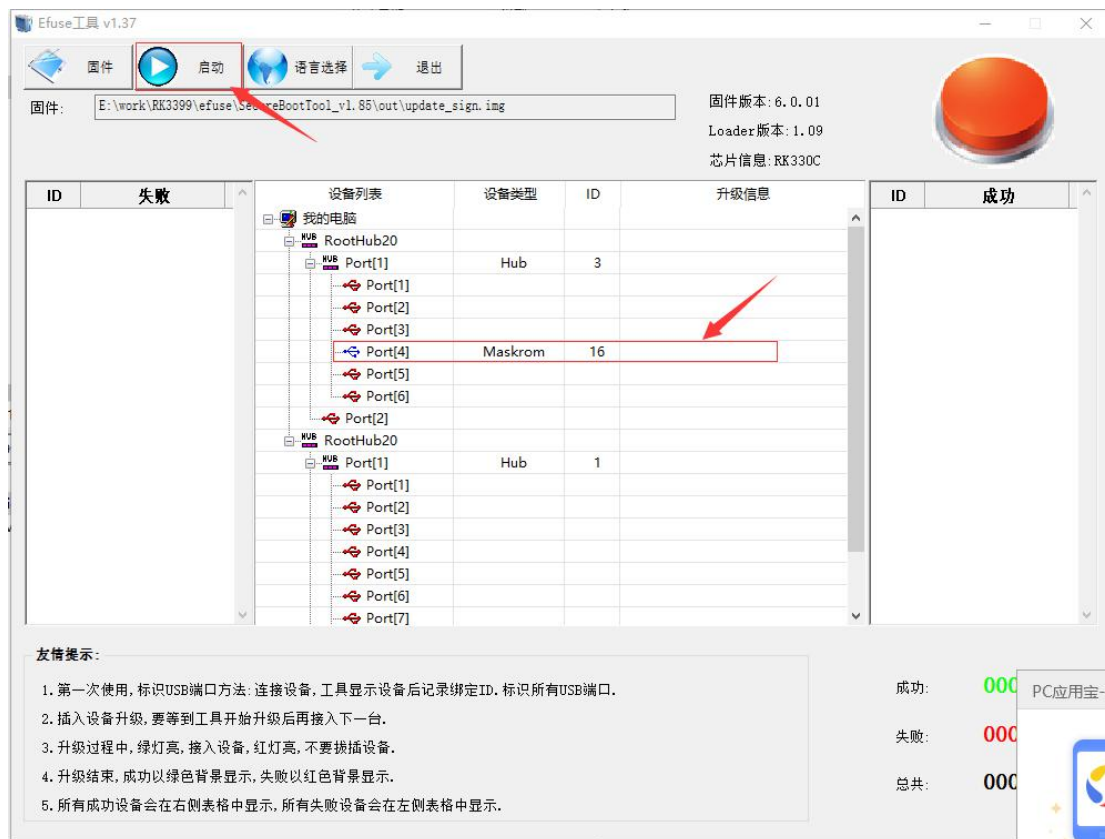


### 3, programme efuse

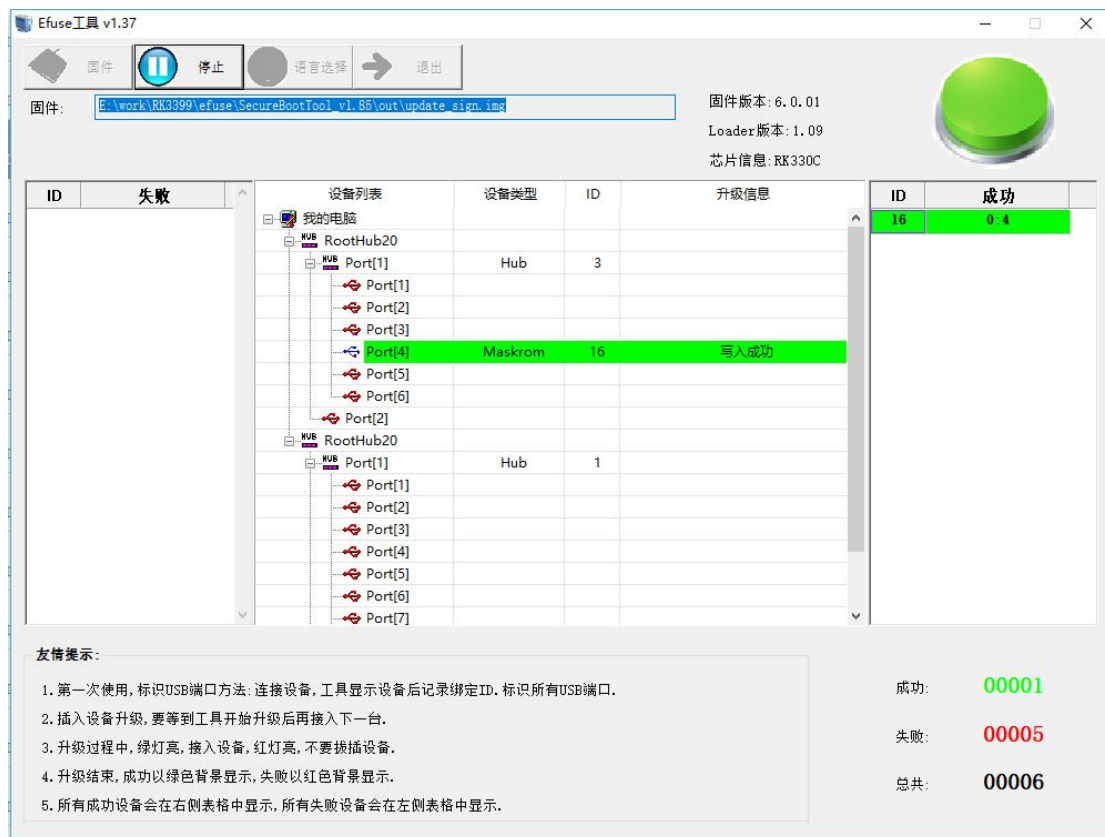
3399 board configuration: efuse power on, enter "masrom" mode

Open tool: "Efuse 工具 v1.37"





Burning successfully



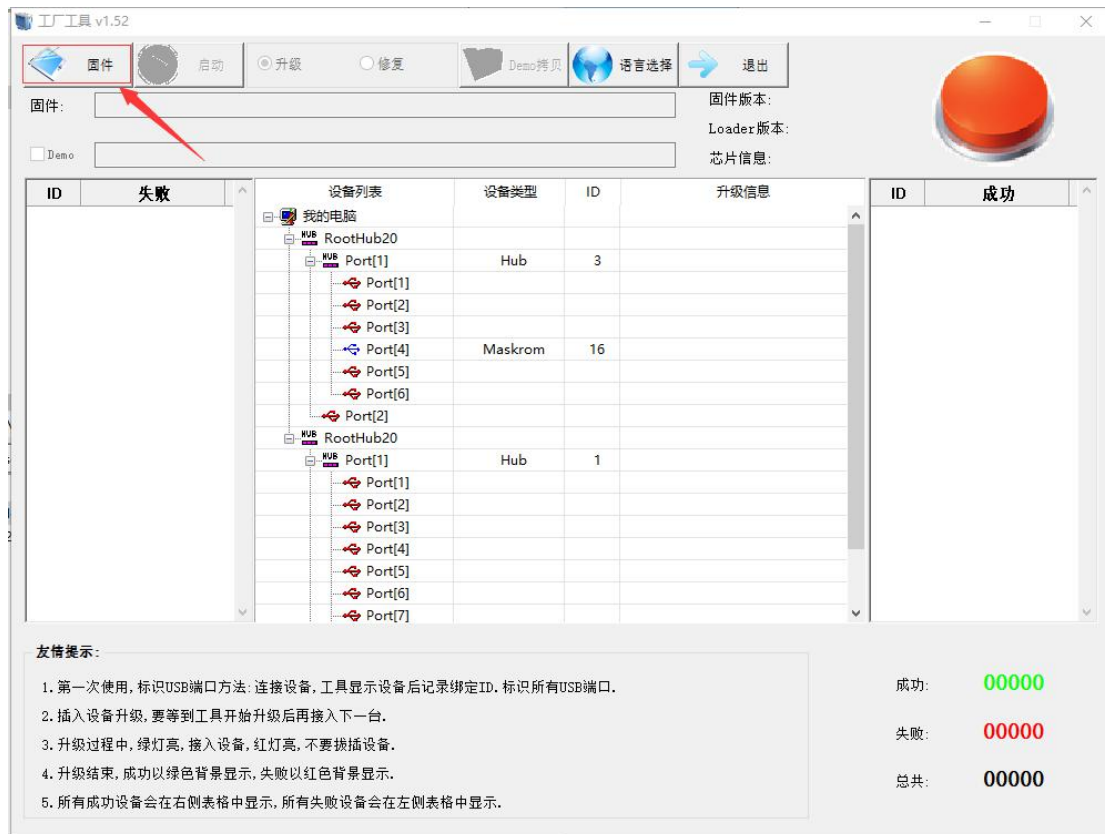
4, Burning signature firmware



Open tool: "FactoryTool\_v1.63"



Select the firmware that was signed in step 2





Start the download

工厂工具 v1.52

固件

停止

升级

修复

Demo拷贝

语言选择

退出

固件: E:\work\RK3399\efuse\SecureBootTool\_v1.85\out\update\_sign.img

固件版本: 6.0.01

Loader版本: 1.09

芯片信息: RK330C

我的电脑

RootHub20

Port[1]

Port[1]

Port[2]

Port[3]

Port[4]

Port[5]

Port[6]

Port[2]

RootHub20

Port[1]

Port[1]

Port[2]

Port[3]

Port[4]

Port[5]

Port[6]

Port[7]

Hub

Hub

Loader

Hub

3

16

1

正在下载固件(2%)...

ID

失败

设备列表

设备类型

ID

升级信息

友情提示:

1. 第一次使用, 标识USB端口方法: 连接设备, 工具显示设备后记录绑定ID, 标识所有USB端口.

2. 插入设备升级, 要等到工具开始升级后再接入下一台.

3. 升级过程中, 绿灯亮, 接入设备, 红灯亮, 不要拔插设备.

4. 升级结束, 成功以绿色背景显示, 失败以红色背景显示.

5. 所有成功设备会在右侧表格中显示, 所有失败设备会在左侧表格中显示.

成功: 00000

失败: 00004

总共: 00004

PC应用: