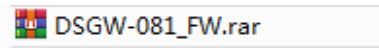


# DSGW-081 烧录、硬件功能测试

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### 烧录

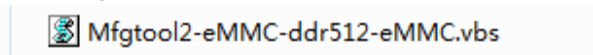
1. 解压DSGW081\_FW.rar



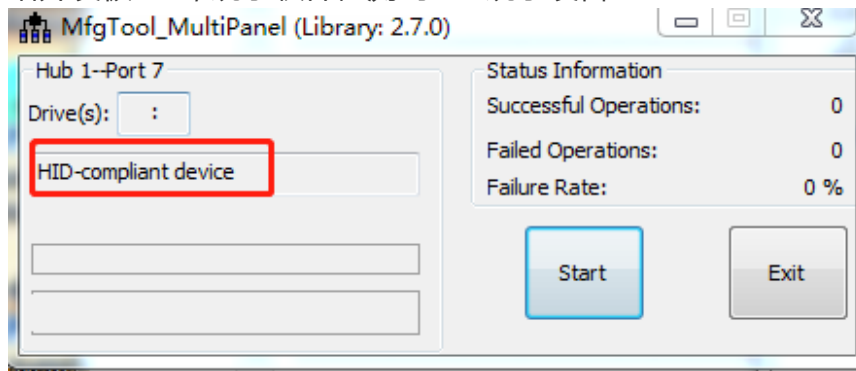
2. 进去mfgtool

名称	修改日期	类型
Drivers	2021/8/6 14:52	文件夹
Profiles	2021/8/6 14:52	文件夹
Utils	2021/8/6 14:53	文件夹
.gitignore	2021/8/5 16:09	文本文档
cfg.ini	2021/8/5 16:09	配置设置
linux-cvbs.sh	2021/8/5 16:09	Shell Script
linux-runvbs.sh	2021/8/5 16:09	Shell Script
linux-ver-usage	2021/8/5 16:09	文件
MfgTool.log	2021/12/8 14:04	文本文档
MfgTool2.exe	2021/8/5 16:09	应用程序
Mfgtool2-eMMC-ddr256-eMMC.vbs	2021/8/5 16:09	VBScript Scri
Mfgtool2-eMMC-ddr256-SDCard.vbs	2021/8/5 16:09	VBScript Scri
Mfgtool2-eMMC-ddr512-eMMC.vbs	2021/8/5 16:09	VBScript Scri
Mfgtool2-eMMC-ddr512-SDCard.vbs	2021/8/5 16:09	VBScript Scri
Mfgtool2-NAND-ddr256-NAND.vbs	2021/8/5 16:09	VBScript Scri
Mfgtool2-NAND-ddr256-SDCard.vbs	2021/8/5 16:09	VBScript Scri
Mfgtool2-NAND-ddr512-NAND.vbs	2021/8/5 16:09	VBScript Scri
Mfgtool2-NAND-ddr512-SDCard.vbs	2021/8/5 16:09	VBScript Scri
mfgtoolcli	2021/8/5 16:09	文件
MfgToolLib.dll	2021/8/5 16:09	应用程序扩展
pax_global_header	2021/8/5 16:09	文件
UICfg.ini	2021/8/5 16:09	配置设置

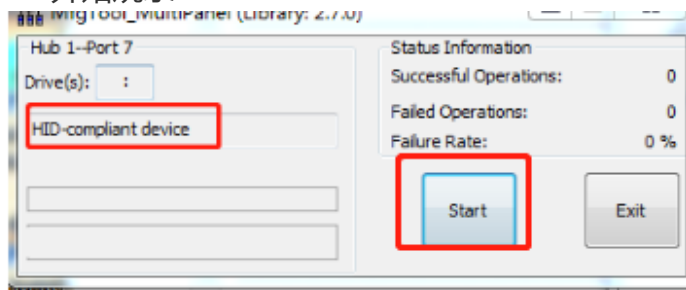
3. 执行Mfgtool2-eMMC-ddr512-eMMC.vbs(鼠标双击)



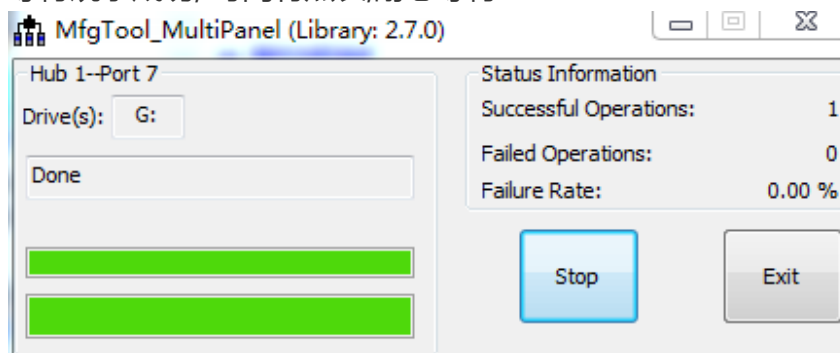
4. 开发板切换到USB启动模式,  
目前第一版本硬件需要调电阻,  
烧录的时候去掉R255, 短接R264  
启动的时候去掉R264, 短接R255
5. 开发板的OTG(usb)插入到电脑  
在板边J16
6. 给开发板上电, 烧录软件检测到HID烧录设备



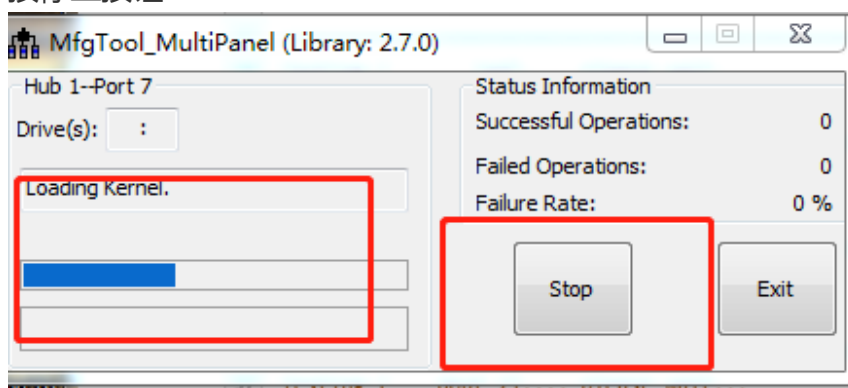
7. start开始烧录



8. 等待烧录成功, 时间有点长,耐心等待



9. 按停止按钮



10. 切换到正常启动模式, 重新启动

# 硬件功能测试

1. 开发板上电, 通过串口或者网络ssh登陆到开发板, 账号密码是 au/root

2. 执行 sudo test.sh测试功能

注意测试config uart, rs232, can, 458的时候需要实现将这几个引脚短接起来实现环路测试, 测试过程中需要按照提示操作

3. 测试报告:

```
=====
Testing [      led]..., please wait...
  Test Result : OK
=====
Testing [      rtc]..., please wait...
  Test Result : OK
=====
Testing [   dout_1]..., please wait...
  Test Result : OK
=====
Testing [   dout_2]..., please wait...
  Test Result : OK
=====
Testing [din_passtive_1]..., please wait...
  please shortcut the passtive input 1!
  Test Result : OK
=====
Testing [din_passtive_2]..., please wait...
  please shortcut the passtive intput 2!
  Test Result : OK
=====
Testing [din_active_1]..., please wait...
  Test Result : OK
=====
Testing [din_active_2]..., please wait...
  Test Result : OK
=====
Testing [   ain_1]..., please wait...
  Test Result : OK
=====
Testing [   ain_2]..., please wait...
  Test Result : OK
=====
Testing [      r485]..., please wait...
  please short circuit 485 tx & rx..
  Test Result : OK
=====
Testing [      r232]..., please wait...
  please short circuit 232 uart tx & rx..
```

```
Test Result : OK
=====

Testing [      can]..., please wait...
Test Result : OK
=====

Testing [  cfguart]..., please wait...
please short circuit config uart tx & rx..
Test Result : OK
=====

Testing [      ble]..., please wait...
Test Result : OK
=====

Testing [    zigbee]..., please wait...
ezsp ver 0x06 stack type 0x02 stack ver. [6.3.0 GA build 178]
Test Result : OK
=====

Testing [      ec20]..., please wait...
Test Result : OK
=====

Testing [      key]..., please wait...
please press the hold key!
Test Result : OK
=====

Testing [      wifi]..., please wait...
Test Result : OK
```