DSGW-081 烧录、硬件功能测试

烧录

1. 解压DSGW081_FW.rar
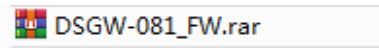
2. 进去mfgtool

| 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

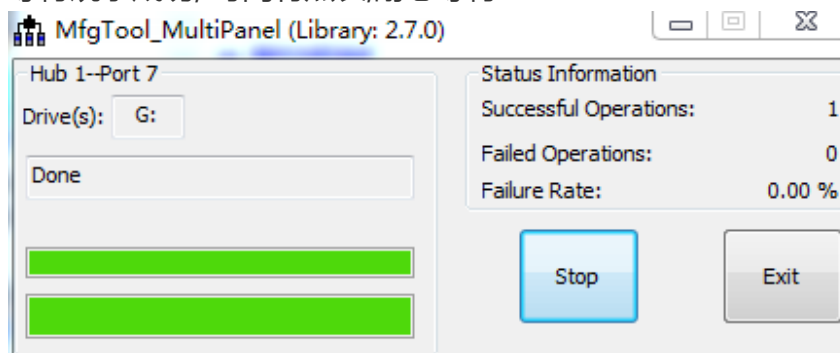3. 执行Mfgtool2-eMMC-ddr512-eMMC.vbs(鼠标双击)

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

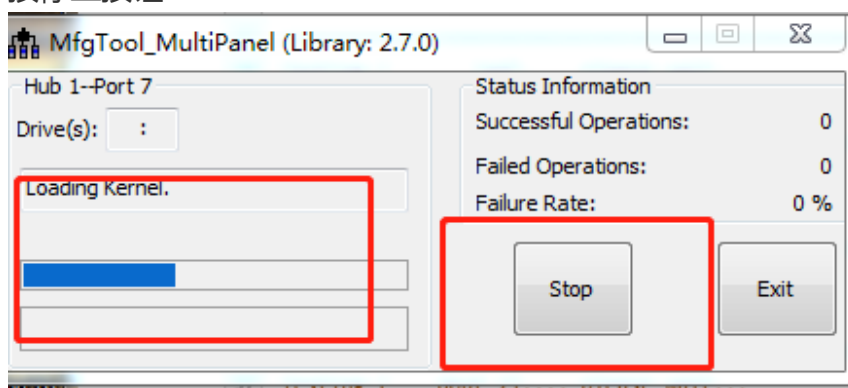5. 开发扳的OTG(usb)插入到电脑

在板边J16

6. 给开发板上电, 烧录软件检测到HID烧录设备
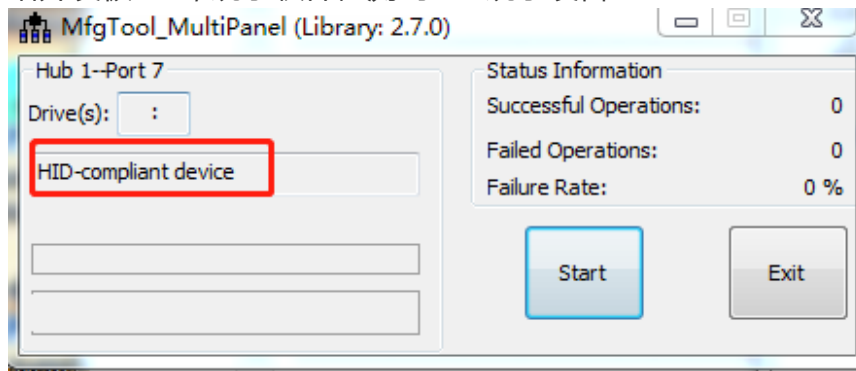
7. start开始烧录
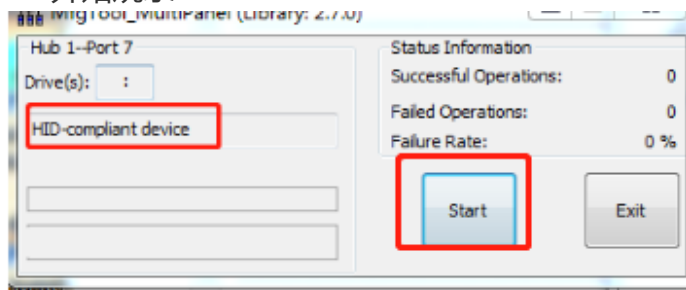
8. 等待烧录成功, 时间有点长,耐心等待

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角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 : FAIL
==================================================
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 : FAIL
      Test Result : OK

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

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