

WIFI sta和ap桥接

• 配置修改

采用nand来配置:

编译:

```
0: make infinity2m_spinand_ssc011a_s01a_minigui_defconfig
make menuconfig
```

1:

Networking support -> Wireless:

<*> cfg80211 - wireless configuration API

2:

Device Drivers->Generic Driver options

[*] Support for uevent helper

3:

Networking support -> Networking options

<M> 802.1d Ethernet Bridging

生成image，同时在kernel/modules下生成llc.ko, stp.ko, bridge.ko用作桥接驱动。

方便操作可以将其拷贝到\project\release\nvr\i2m\common\glibc\8.2.1\wifi\configs，打包到板子上。

之后，编译project(略)。

之后，升级(略)。

• 板端修改

0: 修改/appconfigs/wpa_supplicant.conf, 添加AP热点信息,

```
/ # vi appconfigs/wpa_supplicant.conf
```

```
ctrl_interface=/tmp/wifi/run/wpa_supplicant
```

```
update_config=1
```

```
network={
```

```
ssid="aryl iPhone"
```

```
psk="123456789a"
```

```
}
```

1: 加载驱动

```
cd /config/wifi
```

```
insmod llc.ko
```

```
insmod stp.ko
```

```
insmod bridge.ko
```

5: 添加环境变量

```
export LD_LIBRARY_PATH=$LD_LIBRARY_PATH:/usr/local/lib:/lib:/config/wifi
```

6: 初始化wifi模块

```
./sww01bInit.sh
```

7: 建立网卡桥接

```
ifconfig wlan0 up
```

```
ifconfig p2p0 up
```

```
ifconfig wlan0 0.0.0.0
```

```
ifconfig p2p0 0.0.0.0
```

```
brctl addbr br0
```

```
brctl addif br0 wlan0
```

```
brctl addif br0 p2p0
```

```
ifconfig br0 up
```

8: sta连接wifi

```
./wpa_supplicant -Dnl80211 -i wlan0 -c /appconfigs/wpa_supplicant.conf -b br0 &
```

```
udhcpc -S /etc/init.d/udhcpc.script -i br0
```

9: 开启AP模式

```
./hostapd -B /config/wifi/hostapd.conf
```

```
./dnsmasq -i p2p0 --no-daemon -C /config/wifi/dnsmasq.conf &
```

AP: SSID:ssw101bap pwd: 12345678

如果sta可以连接外网，那么通过pc连接ssw101bap后，也可以正常连上网络。