

## How to make WUBQ-159ACN/WPEQ-160ACN Linux driver in x86/x64 based platform

Kernel v4.10.17

(1) Turn on “cfg80211” with “nl80211 testmode command” support in kernel

```
#make menuconfig
```

[illegible]

(2) Make and install new kernel with nl80211 testmode command

(3) Reboot and boot with this new kernel

(4) Make driver:

```
# make
```

```
make -C /lib/modules/4.10.17/build M=/home/QCA9377-7-new/qcacld-2.0-SparkLAN.4.5.21.410 modules
```

```
WLAN ROOT=/home/QCA9377-7-new/qcacld-2.0-SparkLAN.4.5.21.410 MODNAME?=wlan CONFIG QCA WIFI ISOC=0
```

```
CONFIG_QCA_WIFI_2_0=1 CONFIG_QCA_CLD_WLAN=m WLAN_OPEN_SOURCE=1
```

```
make[1]: Entering directory `/home/Linux-kernel/linux-4.10.17'
```

```
CC [M] /home/QCA9377-7-new/qcacld-2.0-SparkLAN.4.5.21.410/CORE/HDD/src/wlan_hdd_assoc.o
```

```
CC [M] /home/QCA9377-7-new/qcacld-2.0-SparkLAN.4.5.21.410/CORE/HDD/src/wlan_hdd_cfg.o
```

```
CC [M] /home/QCA9377-7-new/qcacld-2.0-SparkLAN.4.5.21.410/CORE/HDD/src/wlan_hdd_debugfs.o
.....
.....
CC [M] /home/QCA9377-7-new/qcacld-2.0-SparkLAN.4.5.21.410/CORE/UTILS/PKTLOG/linux_ac.o
LD [M] /home/QCA9377-7-new/qcacld-2.0-SparkLAN.4.5.21.410/wlan.o
Building modules, stage 2.
MODPOST 1 modules
CC /home/QCA9377-7-new/qcacld-2.0-SparkLAN.4.5.21.410/wlan.mod.o
LD [M] /home/QCA9377-7-new/qcacld-2.0-SparkLAN.4.5.21.410/wlan.ko
make[1]: Leaving directory `/home/Linux-kernel/linux-4.10.17'
#
```

(5) Copy firmware and config files to root file system “/lib/firmware/”

```
#cd firmware_bin
```

```
#cp -r * /lib/firmware/
```

(6) Insert cfg80211.ko and driver

```
# insmod /lib/modules/4.10.17/kernel/net/wireless/cfg80211.ko
```

```
# insmod ./wlan.ko
```