

Accelerate[©] HDA229 EVK- Driver Install User Guide

Revision History

| Revision | Revision date | Description |
|----------|---------------|----------------------------|
| A | 2017-02-02 | First draft |
| B | 2017-09-14 | Only use OTP configuration |
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1 General

This document gives a brief overview of the set-up and use of the HDG229 and SPB229 modules in networks.

1. Copy driver package to appropriate directory on the Linux computer

```
$ cd <path>
$ cp <source path>/ .
$ tar xvfz linux-sdio-driver-229-<ver>-<date>-<rev>.tar.gz
```

2. Run the install-driver script

```
$ cd linux-sdio-driver-229
$ ./install-driver.sh
```

2 Start

Network start-up procedure

1. Load WLAN driver in network mode (operating STA mode only, if AP mode is also required, set drv_mode=3)

```
$ sudo insmod mlan.ko
$ sudo insmod sd8xxx.ko drv_mode=1 mfg_mode=0 fw_name=mrvl/sdsd8977_combo_v2.bin
cal_data_cfg=none cfg80211_wext=0x0f
```

mfg_mode=0 - specifies that the FW to be used in network mode

cal_data_cfg=none - specifies to use configuration such as RF switch setting, loss compensation, tuning and clock frequency stored in the module during manufacturing.

cfg80211_wext=0x0f - makes sure that **both** wireless extension and nl80211 interfaces are enabled

2. Load Bluetooth driver

```
$ sudo insmod bt8xxx.ko
```

3. To unload all drivers:

```
$ sudo rmmod bt8xxx
$ sudo rmmod sd8xxx
$ sudo rmmod mlan
```

4. System shall be ready to operate Wireless Extensions, hostapd and BlueZ stack from Linux user space.
5. See further details in HDG229 Software Developers Guide, contact H&D Wireless Support.

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