**AIW(EWM) FAQ**

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| **Category** | AIW/EWM | **Date** | 2022/09/21 |
| **Keyword** | RTL8822CE, EWM-W159M201E, EWM-W193H01E, Ubuntu 20.04 | | |

* **Question:**

RTL8822CE driver installation guide on Ubuntu 20.04 with kernel 5.4.

* **Instructions :**

**\*Test with EWM-W193H01E\***

1. Download driver package via below link.

[RTL8822CE\_WiFi\_linux\_v5.12.1.8-2-g58609677a\_COEX20210504-2323.20210923(52668).7z](https://advantecho365-my.sharepoint.com/:u:/g/personal/tim_huang_advantech_com/EXWChifmV2VGgMgGqnsKQ38BW2KGysgZVKBUM_wqWV1gEQ?e=siYxAM)

2. Unzip “RTL8822CE\_WiFi\_linux\_v5.12.1.8-2-g58609677a\_COEX20210504-2323.20210923(52668).7z”.

1. Access to “WiFi” folder, then decompress “RTL8822CE\_WiFi\_linux\_v5.12.1.8-2-g58609677a\_COEX20210504-2323.20210923.tar.gz”.
2. Access to “RTL8822CE\_WiFi\_linux\_v5.12.1.8-2-g58609677a\_COEX20210504-2323.20210923” folder.
3. Access to “driver” folder and decompress “rtl88x2CE\_WiFi\_linux\_v5.12.1.8-2-g58609677a.20210923\_COEX20210504-2323.tar.gz”.
4. Access to “rtl88x2CE\_WiFi\_linux\_v5.12.1.8-2-g58609677a.20210923\_COEX20210504-2323” folder.
5. Input command “make” with root permission to compile driver package to generate ko files.

\*If "make" error, try to use below command to fix:

**# apt install make**

**# apt install build-essential**

If still can’t make it work, try to copy the whole “rtl88x2CE\_WiFi\_linux\_v5.12.1.8-2-g58609677a.20210923\_COEX20210504-2323” folder to other path, ex. desktop of PC then try to compile again.

After compiling successfully, there’re a few files generated, including “88x2ce.ko”.

1. Try to insert driver with below command.

**# insmod 88x2ce.ko**

\*If error -2 issue(could not insert module XXX: Unknown symbol in module) happens while trying to insert driver, trying to use below command to fix:

**# modprobe cfg80211**

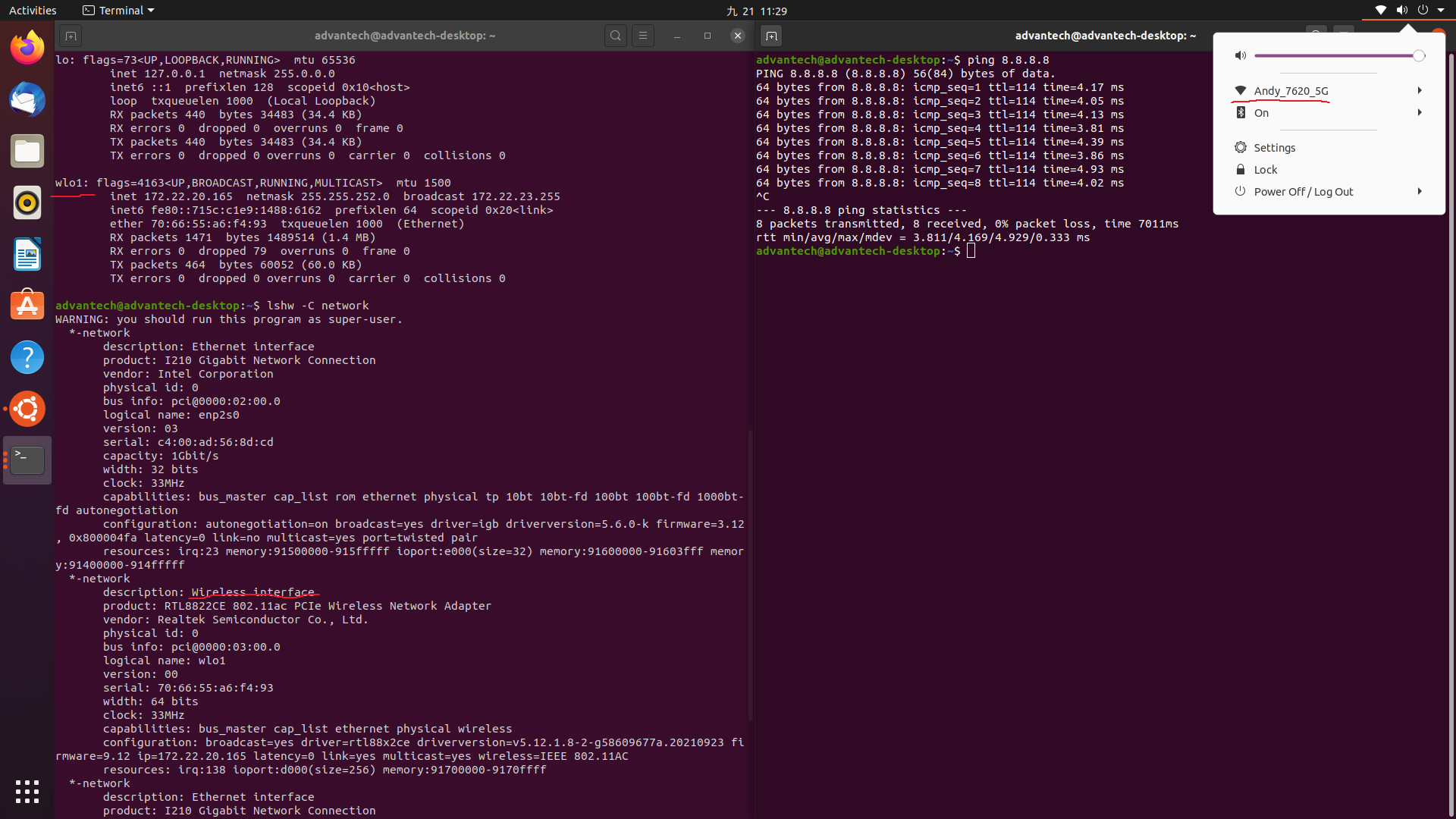
**# insmod 88x2ce.ko**

Then driver should be able to be inserted successfully.

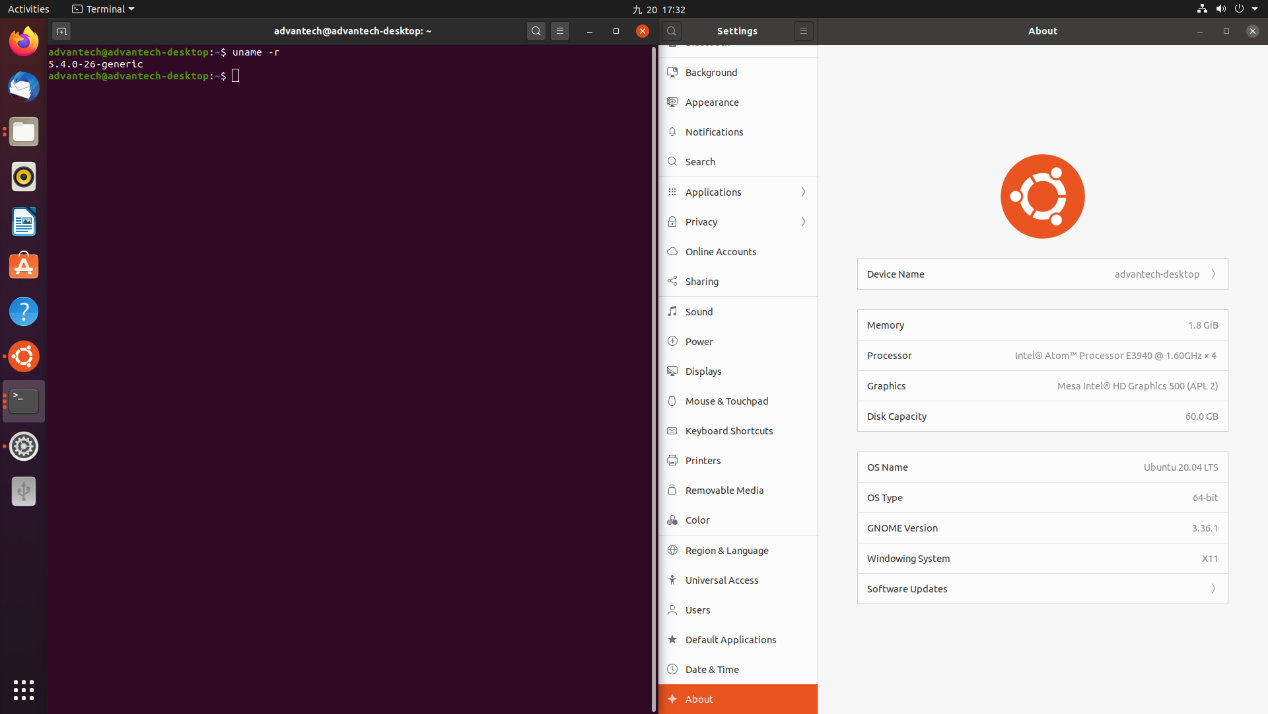
1. Finally, input below command to install the driver so that the driver will be loaded automatically in the future.

**# make install**

Test result:



Platform information:

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