**EWM FAQ**

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| **Category** | EWM | **Date** | 2020/09/18 |
| **Keyword** | Compile driver package, X86 platform,Ubuntu 18.04 LTS,Linux kernel 5.3.0-62 | | |

* **Question:**

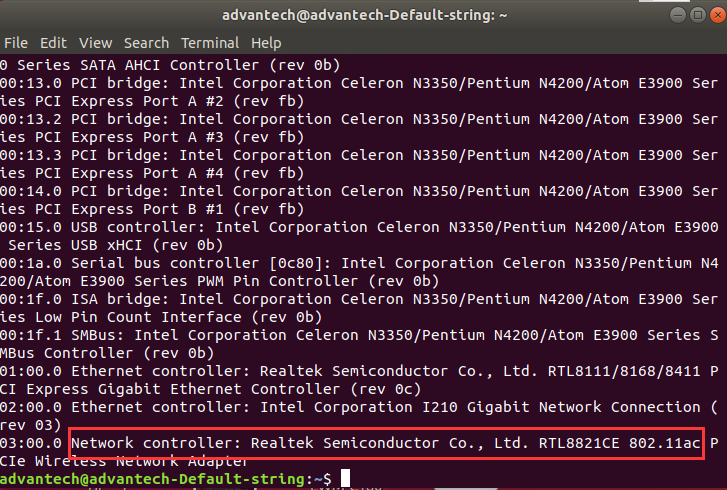
How to compile EWM-W157M201E's WiFi driver package on Ubuntu 18.04 OS?

* **Instructions :**

Step 1

When inserting EWM-W157M201E module on your device, please ensure the module can be recognized on PCIE bus interface

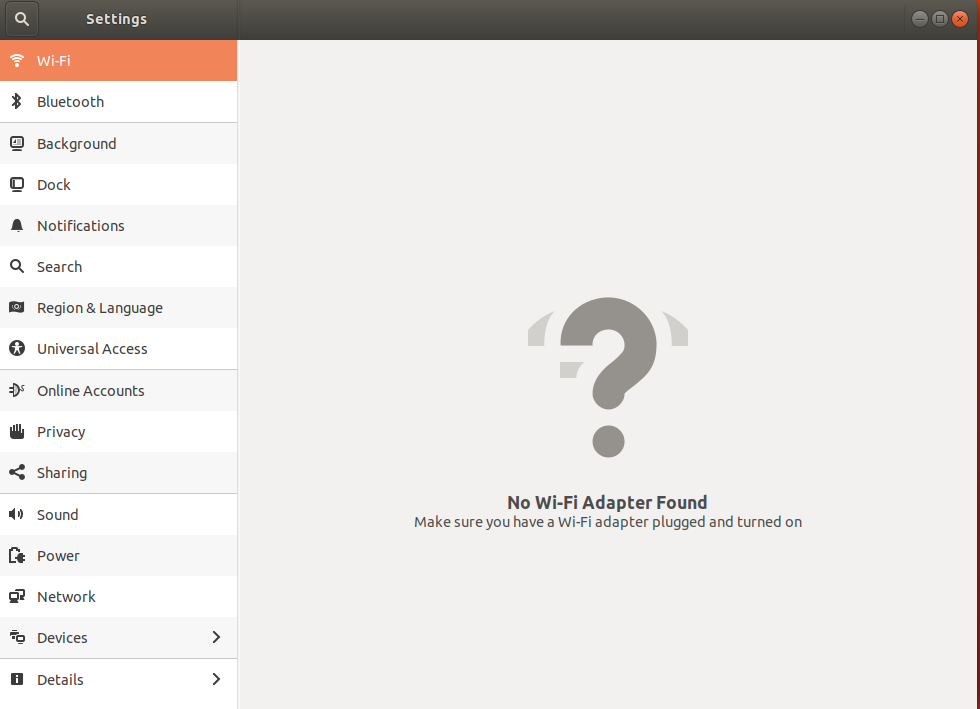
* Enter “lspci” command on terminal



Step 2

Confirm if the WiFi function is workable or not

**<Example>**  
 The following capture image is unworkable



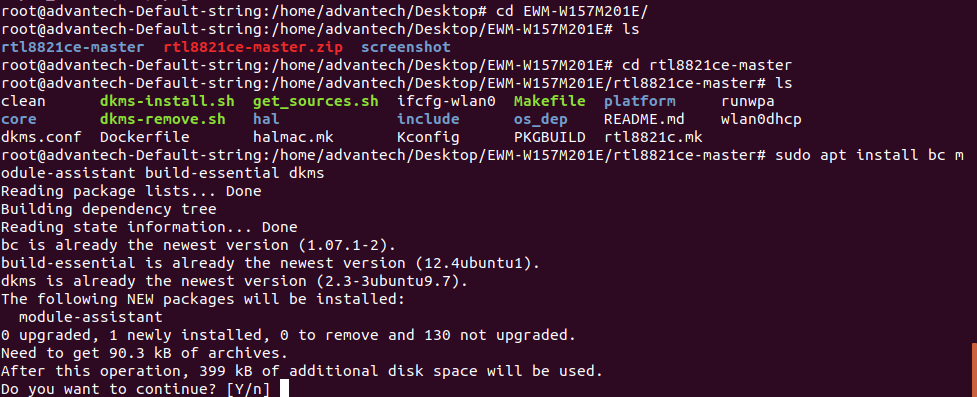
Step 3

Download driver package from following url  
<https://www.dropbox.com/sh/cdgxv4401otjk7l/AABkd875BssK2dziQ3kg2wEza/WiFi%2BBT/W157M2/driver/Linux/rtl8821ce-master.zip?dl=0>

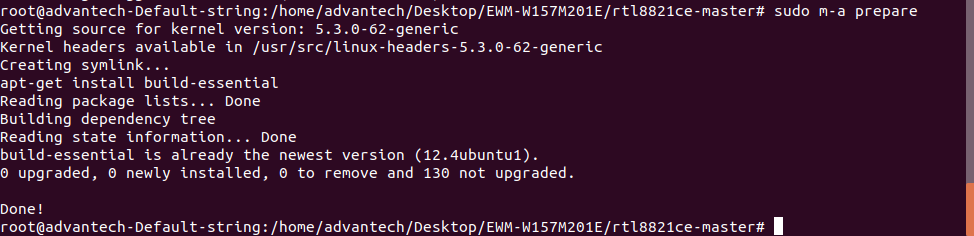
Step 4

Install related software packages in order to install driver by DKMS

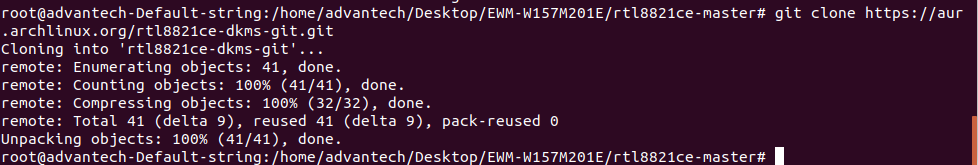
* **sudo apt install bc module-assistant build-essential dkms**



* **sudo m-a prepare**

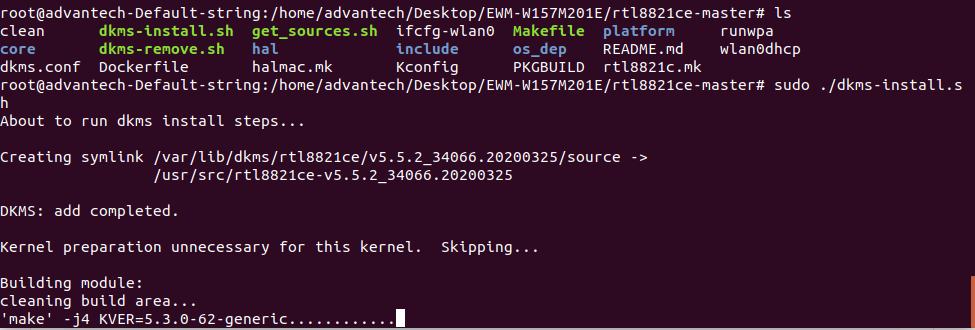
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* **download RTL8821CE’s firmware  
  (sudo git clone https://aur.archlinux.org/rtl8821ce-dkms-git.git)**



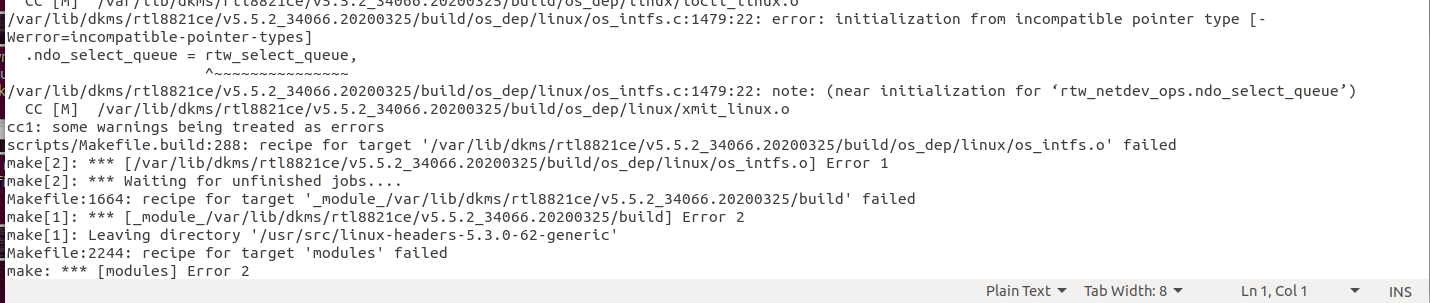
Step 5

Try to enter “**./dkms-install.sh**” command on terminal to install Driver

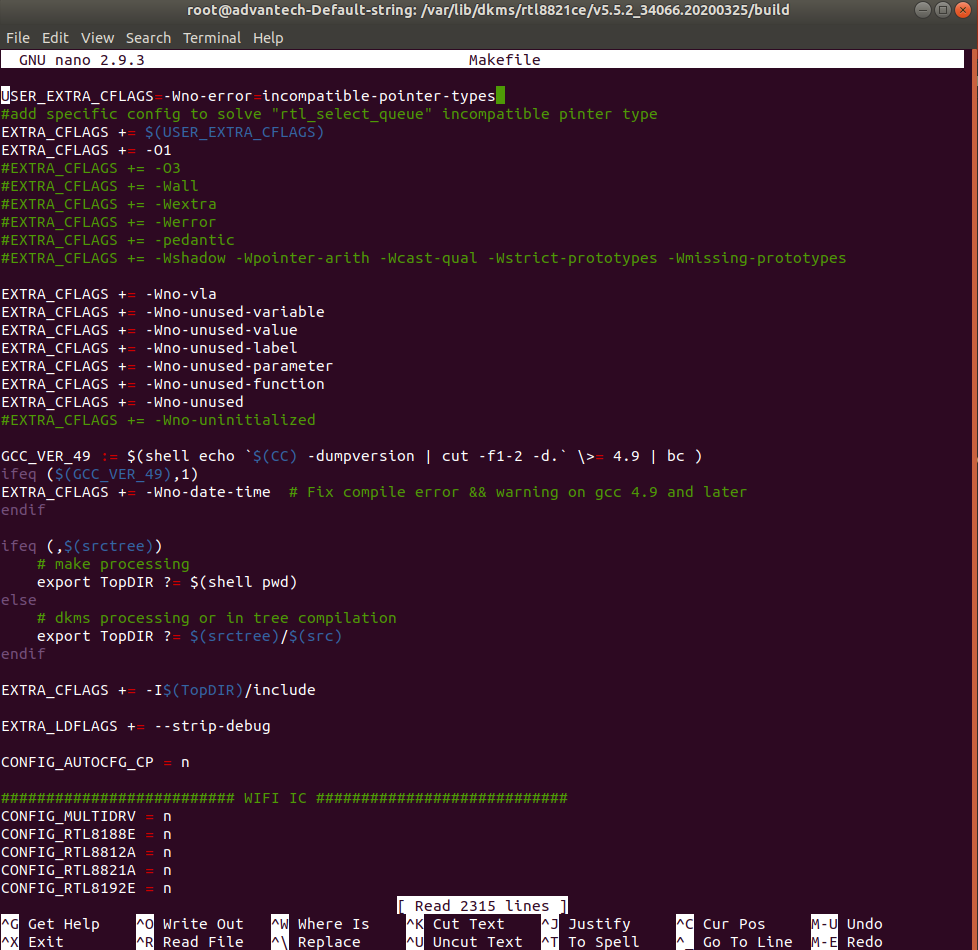


Step 6

If there is any compile error which appear during building driver as below, try to add extra CONFIG in “MakeFile”in specific directory (/**var/lib/dkms/rtl8821ce/v5.5.2\_34066.20200325/build**)

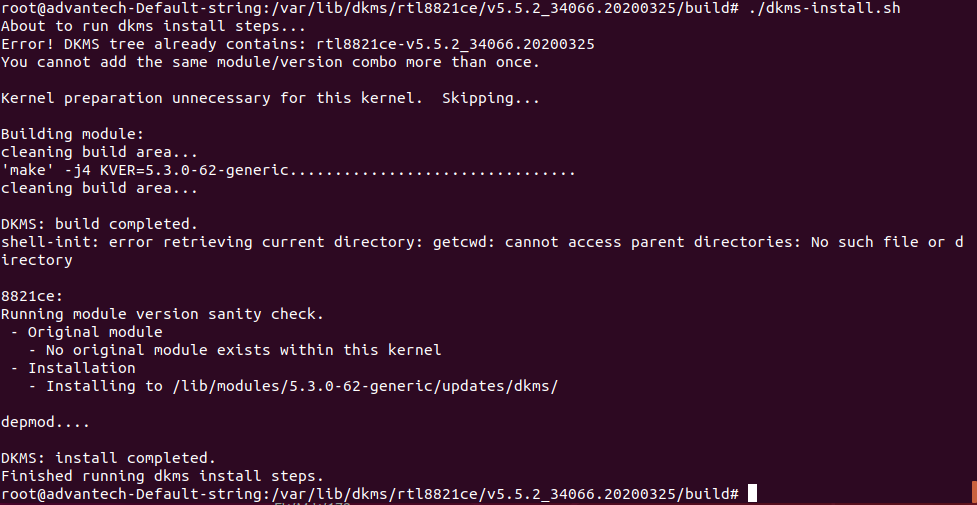


* add Extra Config “USER\_EXTRA\_CFLAGS=-Wno-error=incompatible-pointer-types” in the top of Makefile



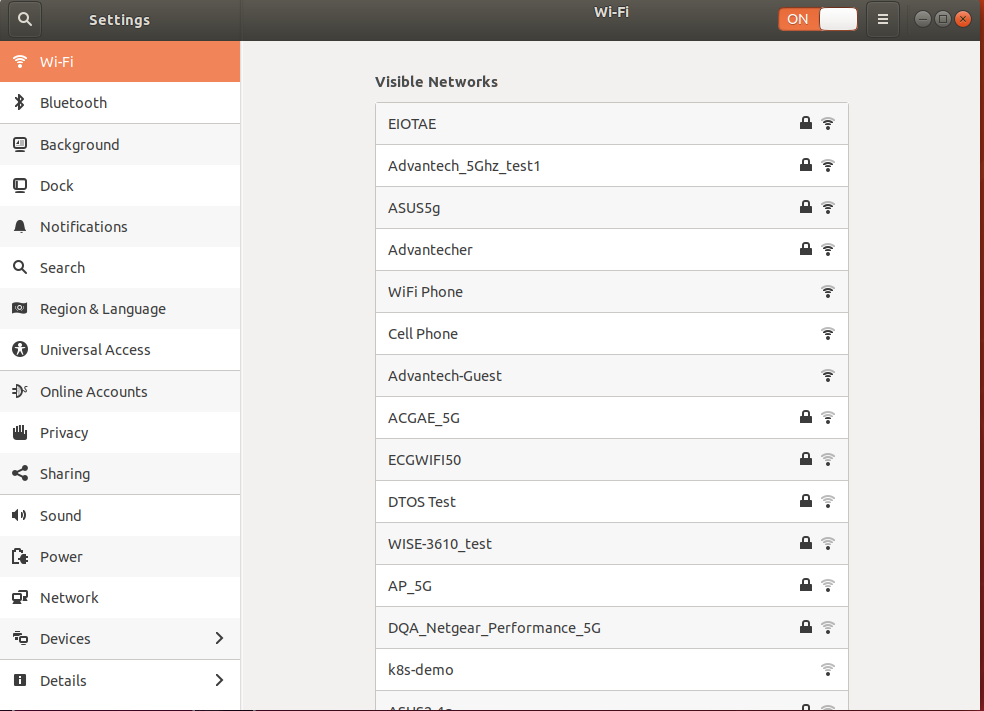
Step 7

Execute“**./dkms-install.sh**” command again on terminal and ensure the prompt of message “DKMS: install completed”



Step 8

After installing, reboot the system and you will see the wifi function is activated on wifi section



Note: if customer would like to know more detail about this package, please enter following gIthub url to obtain information.

<https://github.com/tomaspinho/rtl8821ce>