

# Installation Guide

AX300 Wi-Fi6 USB Wireless LAN Card

(Applicable to Linux Ubuntu, Kylin system X86/ARM architecture)

Before using this product for the first time, please read this guide to quickly use the product.

# Installing the Wireless Card



Installing the driver requires administrator privileges. Please log in to the computer using a username and password with administrator privileges.

1. Download the driver installation package to your computer and unzip it.
- 2 , In the directory where the driver is located , Right click and open **the Terminal** . Then execute the command "**sudo dpkg -i ax300-wifi-adapter-linux-driver.deb**" to install the driver.

Wait for a moment, and the following message will be displayed, indicating that the driver has been installed successfully.



For Kylin OS, you can directly run the driver and enter the password of the computer administrator account to start the installation.

Success, indicating the driver has been successfully installed.

4. Insert the wireless network card into the USB port of the computer. You can connect to Wi-Fi after the computer successfully recognizes the wireless network card.

## Frequently asked questions

Question 1: After the wireless network card is inserted into the computer's **USB** port, the system recognizes it as a **USB** disk. What should I do?

Please refer to the following steps to solve it.

• Execute the command **"mount"** to query the name of the identified USB disk (with 7277-20E5 in the name). The diagram is for reference only.

```
/dev/sdc1 on /media/aic/7277-20E5 type vfat (ro,nosuid,nodev,relatime,uid=1000,gid=1000,fmask=0133,dmask=0022,showexec,utf8,flush,errors=remount-ro,uhelper=udisks2)
```

• Execute the command **"sudo eject /dev/sdc1"** to eject the USB drive. **"/dev/sdc1"** means the USB drive is mounted under **sdc1**.

According to the actual input.

Q2 : After the wireless network card is successfully installed, the computer still cannot connect to Wi-Fi. What should I do?

Run the command **"sudo rfkill unblock wifi"** to try to resolve the abnormality of the wireless network card's Wi-Fi module.

```
sudo rfkill unblock wifi
```

Q3 : An error occurred when installing the driver in Kylin system, as shown in the figure, and the driver cannot be installed normally. What should I do?

```
wifi_test.c:1:10: fatal error: stdio.h: 没有那个文件或目录
1 | #include <stdio.h>
  | ^~~~~~
compilation terminated.
make: *** [Makefile:16: wifi_test.o] 错误 1
```

Please refer to the following steps to solve it.

• Run the command **"sudo apt-get install build-essential"** to install the build-essential software package.

```
sudo apt-get install build-essential
```

• Try to install the driver again.

## appendix

Scenario 1: Uninstall the wireless network card driver.

• **Right** -click anywhere on your computer and click to open the terminal .

• Execute the command "sudo dpkg -r ax300-wifi-adapter-linux-driver" to uninstall the driver. The successful uninstallation is shown as follows.

```
Uninstall      Wifi driver successful!!!!
```

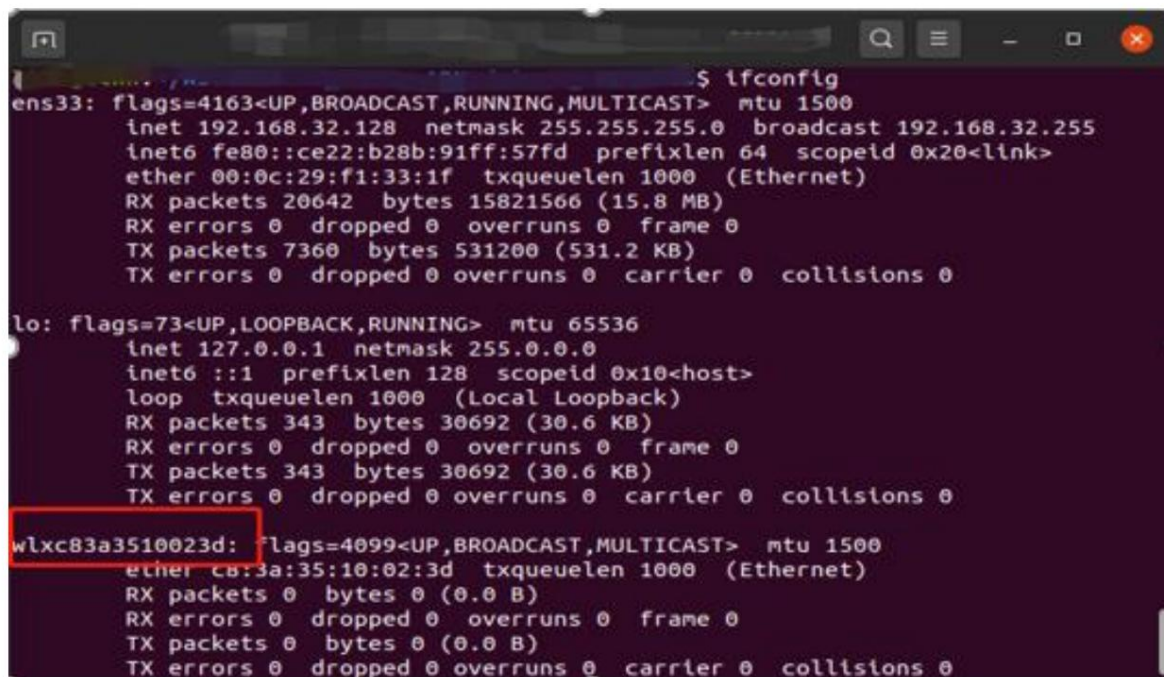
Scenario 2: Query the wireless devices on the computer.

• **Install** the ifconfig tool.

Execute the command "sudo apt install net-tool". After successful installation, the following is displayed.

```
net - tools is already the newest version
```

• **Execute** the command "ifconfig".



```
$ ifconfig
ens33: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.32.128 netmask 255.255.255.0 broadcast 192.168.32.255
    inet6 fe80::ce22:b28b:91ff:57fd prefixlen 64 scopeid 0x20<link>
    ether 00:0c:29:f1:33:1f txqueuelen 1000 (Ethernet)
    RX packets 20642 bytes 15821566 (15.8 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 7360 bytes 531200 (531.2 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 343 bytes 30692 (30.6 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 343 bytes 30692 (30.6 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

wlan0: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
    ether 88:3a:35:10:02:3d txqueuelen 1000 (Ethernet)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 0 bytes 0 (0.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```