

The current Realtek WiFi USB Linux driver had supported lots more than 10 vid/pid USB WiFi devices. However, some customers want to add new vid/pid(s) into the Realtek WiFi USB Linux driver by themselves. This document will describe the way to let the driver to support the devices with new vid/pid.

The line 68 of os_intf\linux\usb_intf.c file describes all the vid/pids which the Realtek WiFi USB Linux driver supports currently. For the new vid/pid(s) which want to be supported, they can be added into the USB id table named "rtl871x_usb_id_tbl" array variable.

Ex:

```
static struct usb_device_id rtl871x_usb_id_tbl[] =  
/* RTL8188SU */  
    /* Realtek */  
    {USB_DEVICE(0x0BDA, 0x8171)},  
    /* Abocom */  
    {USB_DEVICE(0x07B8, 0x8188)},  
    /* ASUS */  
    {USB_DEVICE(0x0B05, 0x1786)},  
    {USB_DEVICE(0x0B05, 0x1791)}, // 11n mode disable  
    /* Belkin */  
    {USB_DEVICE(0x050D, 0x945A)},  
    /* Corega */  
    {USB_DEVICE(0x07AA, 0x0047)},  
    ...  
    ...  
    ...  
    {} <- the new vid/pid can be added here  
};
```

After adding the new vid/pid into the rtl871x_usb_id_tbl table, the driver has to be re-compiled. The new driver image will be created and it can support the device with the new vid/pid.