

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.