

**NAME**

**urtw** - Realtek RTL8187B/L USB IEEE 802.11b/g wireless network device

**SYNOPSIS**

To compile this driver into the kernel, place the following lines in your kernel configuration file:

```

device ehci
device uhci
device ohci
device usb
device urtw
device wlan

```

Alternatively, to load the driver as a module at boot time, place the following line in loader.conf(5):

```
if_urtw_load="YES"
```

**DESCRIPTION**

The **urtw** driver supports USB 802.11b/g wireless adapters based on the Realtek RTL8187B/L.

**urtw** supports **station** and **monitor** mode operation. Only one virtual interface may be configured at any time. For more information on configuring this device, see ifconfig(8).

**HARDWARE**

The **urtw** driver supports Realtek RTL8187B/L based wireless network devices, including:

<i>Card</i>	<i>Radio</i>	<i>Bus</i>
Belkin F5D7050E	RTL8225	USB
Linksys WUSB54GCv2	RTL8225	USB
Netgear WG111v2	RTL8225	USB
Netgear WG111v3	RTL8225	USB
Safehome WLG-1500SMA5	RTL8225	USB
Shuttle XPC Accessory PN20	RTL8225	USB
Sitecom WL168v1	RTL8225	USB
Sitecom WL168v4	RTL8225	USB
SureCom EP-9001-g(2A)	RTL8225	USB
TRENDnet TEW-424UB V3.xR	RTL8225	USB

**EXAMPLES**

Join an existing BSS network (i.e., connect to an access point):

```
ifconfig wlan create wlandev urtw0 inet 192.168.0.20 \  
    netmask 0xffffffff
```

Join a specific BSS network with network name "my\_net":

```
ifconfig wlan create wlandev urtw0 ssid my_net up
```

Join a specific BSS network with 64-bit WEP encryption:

```
ifconfig wlan create wlandev urtw0 ssid my_net \  
    wepmode on wepkey 0x1234567890 weptxkey 1 up
```

### SEE ALSO

intro(4), netintro(4), usb(4), wlan(4), wlan\_ccmp(4), wlan\_tkip(4), wlan\_wep(4), ifconfig(8), wpa\_supplicant(8)

*Realtek*, <https://www.realtek.com>.

### HISTORY

The **urtw** device driver first appeared in FreeBSD 8.0.

### AUTHORS

The **urtw** driver was written by Weongyo Jeong <[weongyo@FreeBSD.org](mailto:weongyo@FreeBSD.org)>.