

NAME

iwlwifi - Intel IEEE 802.11a/b/g/n/ac/ax wireless network driver

SYNOPSIS

The driver will auto-load without any user interaction using `devmatch(8)` if enabled in `rc.conf(5)`.

Only if auto-loading is explicitly disabled, place the following lines in `rc.conf(5)` to manually load the driver as a module at boot time:

```
kld_list="${kld_list} if_iwlwifi"
```

The driver should automatically load any `iwlwifiw(4)` firmware needed for the particular chipset.

It is discouraged to load the driver from `loader(8)`.

DESCRIPTION

The **iwlwifi** driver is derived from Intel's Linux `iwlwifi` driver and provides support for all chipsets supported by the *mvm* part of that driver.

- ⊕ Intel(R) Dual Band Wireless AC 7260
- ⊕ Intel(R) Dual Band Wireless N 7260
- ⊕ Intel(R) Wireless N 7260
- ⊕ Intel(R) Dual Band Wireless AC 3160
- ⊕ Intel(R) Dual Band Wireless N 3160
- ⊕ Intel(R) Wireless N 3160
- ⊕ Intel(R) Dual Band Wireless AC 3165
- ⊕ Intel(R) Dual Band Wireless AC 3168
- ⊕ Intel(R) Dual Band Wireless AC 7265
- ⊕ Intel(R) Wireless N 7265
- ⊕ Intel(R) Dual Band Wireless N 7265
- ⊕ Intel(R) Dual Band Wireless AC 8260
- ⊕ Intel(R) Dual Band Wireless N 8260
- ⊕ Intel(R) Dual Band Wireless AC 4165
- ⊕ Intel(R) Dual Band Wireless AC 8265
- ⊕ Intel(R) Dual Band Wireless AC 8275
- ⊕ Killer (R) Wireless-AC 1550 Wireless Network Adapter (9260NGW) 160MHz
- ⊕ Killer (R) Wireless-AC 1550s Wireless Network Adapter (9560NGW)
- ⊕ Killer (R) Wireless-AC 1550i Wireless Network Adapter (9560NGW)
- ⊕ Killer(R) Wireless-AC 1550s Wireless Network Adapter (9560D2W) 160MHz
- ⊕ Killer(R) Wireless-AC 1550i Wireless Network Adapter (9560NGW) 160MHz

- ⊕ Killer(R) Wi-Fi 6E AX1690s 160MHz Wireless Network Adapter (411D2W)
- ⊕ Killer(R) Wi-Fi 6E AX1690i 160MHz Wireless Network Adapter (411NGW)
- ⊕ Intel(R) Wireless-AC 9260-1
- ⊕ Intel(R) Wi-Fi 6 AX200 160MHz
- ⊕ Killer(R) Wi-Fi 6 AX1650w 160MHz Wireless Network Adapter (200D2W)
- ⊕ Killer(R) Wi-Fi 6 AX1650x 160MHz Wireless Network Adapter (200NGW)
- ⊕ Intel(R) Wi-Fi 6 AX201 160MHz
- ⊕ Killer(R) Wi-Fi 6 AX1650s 160MHz Wireless Network Adapter (201D2W)
- ⊕ Killer(R) Wi-Fi 6 AX1650i 160MHz Wireless Network Adapter (201NGW)
- ⊕ Killer(R) Wi-Fi 6 AX1650s 160MHz Wireless Network Adapter (201NGW)
- ⊕ Killer(R) Wi-Fi 6 AX1650i 160MHz Wireless Network Adapter (201D2W)
- ⊕ Intel(R) Wi-Fi 6E AX211 160MHz
- ⊕ Intel(R) Wi-Fi 6 AX210 160MHz
- ⊕ Killer(R) Wi-Fi 6E AX1675w 160MHz Wireless Network Adapter (210D2W)
- ⊕ Killer(R) Wi-Fi 6E AX1675x 160MHz Wireless Network Adapter (210NGW)
- ⊕ Intel(R) Wi-Fi 6E AX411 160MHz
- ⊕ Killer(R) Wi-Fi 6E AX1675s 160MHz Wireless Network Adapter (211NGW)
- ⊕ Killer(R) Wi-Fi 6E AX1675i 160MHz Wireless Network Adapter (211NGW)
- ⊕ Intel(R) Wireless-AC 9461 160MHz
- ⊕ Intel(R) Wireless-AC 9461
- ⊕ Intel(R) Wireless-AC 9462 160MHz
- ⊕ Intel(R) Wireless-AC 9462
- ⊕ Intel(R) Wireless-AC 9560 160MHz
- ⊕ Intel(R) Wireless-AC 9560
- ⊕ Intel(R) Wireless-AC 9270 160MHz
- ⊕ Intel(R) Wireless-AC 9270
- ⊕ Intel(R) Wireless-AC 9162 160MHz
- ⊕ Intel(R) Wireless-AC 9162
- ⊕ Intel(R) Wireless-AC 9260 160MHz
- ⊕ Intel(R) Wireless-AC 9260
- ⊕ Intel(R) Wi-Fi 6 AX101
- ⊕ Intel(R) Wi-Fi 6 AX203
- ⊕ Intel(R) Wi-Fi 6E AX221 160MHz
- ⊕ Intel(R) Wi-Fi 6E AX231 160MHz
- ⊕ Intel(R) TBD Bz device
- ⊕ Intel(R) Wi-Fi 6 AX204 160MHz
- ⊕ Intel(R) TBD Sc device

iwlwifi will be a successor to `iwm(4)` and may supersede that driver in the future. It still complements the `iwn(4)` driver which supports older chipsets.

The driver uses the *linuxkpi_wlan* and *linuxkpi* compat framework to bridge between the Linux and native FreeBSD driver code as well as to the native net80211(4) wireless stack.

While **iwlfwif** supports all 802.11 a/b/g/n/ac/ax the compatibility code currently only supports 802.11 a/b/g modes. Support for 802.11 n/ac is to come. 802.11ax and 6Ghz support are planned.

BUGS

Certainly.

SEE ALSO

[iwlfwifw\(4\)](#), [iwm\(4\)](#), [iwn\(4\)](#), [wlan\(4\)](#), [ifconfig\(8\)](#), [wpa_supplicant\(8\)](#)

HISTORY

The **iwlfwif** driver first appeared in FreeBSD 13.1.