# Beginning

In this instruction, we will introduce two ways to drive our Intel Wireless Card.

- Use itlwm and HeliPort
- Use itlwm and Black80211-Catalina

If you want to use itlwm and HeliPort, please download the latest releases at the following links:

- https://github.com/OpenIntelWireless/itlwm/releases
- https://github.com/OpenIntelWireless/HeliPort/releases

If you want to use itlwm and Black80211-Catalina, please download the latest releases at the following links:

- https://github.com/usr-sse2/itlwm/releases
- https://github.com/usr-sse2/Black80211-Catalina/releases

### How to Use

#### Use itlwm and HeliPort

- First, turn off Show Wi-Fi status in menu bar in SysPref Network Wi-Fi.
- Then, unzip all the packs you downloaded and copy itlwm.kext to /EFI/CLOVER/kexts/Other/ or /EFI/OC/Kexts/.
- If you are using OC, you need to change your config.plist. Open /EFI/OC/config.plist and change the following code:

- Reboot, and move HeliPort.app to your Applications folder.
- Open HeliPort.app and done.
  - You need to allow software from any sources first.
  - Run sudo spctl --master-disable in Terminal.app.

### Use itlwm and Black80211-Catalina

- First, make sure your macOS version  $\geq 10.15$ .
- Then, download and install OpenCore special version that supports immutablekernel loading from acidanthera/bugtracker#1071.
- After that, unzip all the packs you downloaded and copy itlwm.kext and Black80211.kext to /EFI/OC/Kexts/.
- Open /EFI/OC/config.plist and change the following code:

• Also, add these code into Kernel - Add section:

```
<dict>
   <key>BundlePath</key>
   <string>Black80211.kext
   <key>Comment</key>
   <string></string>
   <key>Enabled</key>
   <true/>
   <key>ExecutablePath</key>
   <string>Contents/MacOS/Black80211</string>
   <key>MaxKernel</key>
   <string></string>
   <key>MinKernel
   <string></string>
   <key>PlistPath</key>
   <string>Contents/Info.plist</string>
</dict>
```

#### Discussion

#### itlwm and HeliPort

- If you have questions about the driver, please discuss them on https://gitter.im/OpenIntelWireless/itlwm
- If you want to report bugs, please use https://github.com/OpenIntelWireless/itlwm/issues

## itlwm and Black80211-Catalina

- $\bullet$  If you have questions about the driver, please read https://github.com/usr-sse2/Black80211-Catalina/blob/master/README.md
- If you want to report bugs, please use https://github.com/usr-sse2/Black80211-Catalina/issues

## Credits

- Thanks to OpenIntelWireless for providing HeliPort and itlum.
- Thanks to usr-sse2 for providing Black80211-Catalina and itlwm.