

## Baytrail Yotco Driver V0.1

Bay trail BSP has included mostly drivers, such as graphic, USB,realtek 892 codec etc expect Intel 135 WIFI and Realtek 8111e LAN card. . The Linux Yocto 3.8 kernel has Intel 135 WIFI and Realtek 8111e LAN card drivers, but they are not enabled. All you have to do is to create a Config Fragment file with a .cfg extension in a new directory called 'linux-yocto' in the BSP recipes-kernel/linux directory. The new 'linux-yocto' directory will be at the same level as the linux-yocto\_3.8.bbappend file. You will also need to add the following statement to the .bbappend file:

```
SRC_URI += "file://eth.cfg \  
           file://wifi.cfg"
```

The recipes-kernel/linux/linux-yocto/eth.cfg needs to contain the following lines:

```
CONFIG_R8169=y
```

The recipes-kernel/linux/linux-yocto/wifi.cfg needs to contain the following lines:

```
CONFIG_WEXT_CORE=y  
CONFIG_WEXT_PROC=y  
CONFIG_CFG80211=y  
CONFIG_CFG80211_DEFAULT_PS=y  
CONFIG_CFG80211_WEXT=y  
CONFIG_WIRELESS_EXT_SYSFS=y  
CONFIG_LIB80211=y  
CONFIG_MAC80211=y  
CONFIG_MAC80211_HAS_RC=y  
CONFIG_MAC80211_RC_MINSTREL=y  
CONFIG_MAC80211_RC_MINSTREL_HT=y  
CONFIG_MAC80211_RC_DEFAULT_MINSTREL=y  
CONFIG_MAC80211_RC_DEFAULT="minstrel_ht"  
CONFIG_MAC80211_MESH=y  
CONFIG_MAC80211_LEDS=y  
CONFIG_IWLWIFI_LEGACY=y  
CONFIG_IWL4965=y  
CONFIG_NEW_LEDS=y  
CONFIG_LEDS_CLASS=y  
CONFIG_LEDS_TRIGGERS=y  
CONFIG_CRYPTO_AES=y  
CONFIG_CRYPTO_ARC4=y  
CONFIG_AVERAGE=y  
CONFIG_WIRELESS_EXT=y  
CONFIG_WEXT_SPY=y  
CONFIG_WEXT_PRIV=y  
CONFIG_LIB80211_CRYPT_WEP=y  
CONFIG_LIB80211_CRYPT_CCMP=y  
CONFIG_LIB80211_CRYPT_TKIP=y  
CONFIG_IWMC3200TOP=y
```

CONFIG\_IPW2100=y  
CONFIG\_IPW2200=y  
CONFIG\_LIBIPW=y  
CONFIG\_IWLAGN=y  
CONFIG\_IWL3945=y  
CONFIG\_IWM=y  
CONFIG\_CRYPTOEBCB=y  
CONFIG\_CRYPTOMICHAELMIC=y  
CONFIG\_HOSTAP=y  
CONFIG\_LIBIPW=y  
CONFIG\_IWLWIFI=y  
CONFIG\_IWLDVM=y  
CONFIG\_IWLWIFI\_DEVICE\_TESTMODE=y  
CONFIG\_IWLWIFI\_P2P=y  
CONFIG\_IWLEGACY=y

#RFKILL  
CONFIG\_RFKILL=n

# Bluetooth  
CONFIG\_BT=y  
CONFIG\_BT\_RFCOMM=y  
CONFIG\_BT\_RFCOMM\_TTY=y  
CONFIG\_BT\_BNEP=y  
CONFIG\_BT\_BNEP\_MC\_FILTER=y  
CONFIG\_BT\_BNEP\_PROTO\_FILTER=y  
CONFIG\_BT\_HIDP=y

#  
# Bluetooth device drivers  
#  
CONFIG\_BT\_HCIBTUSB=y  
# CONFIG\_BT\_HCIBTSDIO is not set  
# CONFIG\_BT\_HCIUART is not set  
# CONFIG\_BT\_HCIBCM203X is not set  
# CONFIG\_BT\_HCIBPA10X is not set  
# CONFIG\_BT\_HCIBFUSB is not set  
# CONFIG\_BT\_HCIVHCI is not set  
# CONFIG\_BT\_MRVL is not set  
# CONFIG\_BT\_ATH3K is not set  
# CONFIG\_AF\_RXRPC is not set

Intel 135 wifi need include firmware:

The conf/layer.conf needs to contain the following lines:

```
IMAGE_INSTALL_append += " linux-firmware"
```

Please refer to bsp-guide "1.2.9. Linux Kernel Configuration" to get more information

<http://www.yoctoproject.org/docs/latest/bsp-guide/bsp-guide.html>