

# SMARC T335X Linux Development

## USB WiFi Dongle Driver: I'm not able to build the RTL8192C USB module driver. I need a module (.ko) file that I can load into the kernel to support my WiFi USB device.

We made a .ko file for you. Please copy to /lib/modules/\$(uname -r)/kernel/drivers

```
root@smarct335x:~# depmod -a
```

```
root@smarct335x:~# modprobe 8192cu
```

```
[ 47.485413] Disabling lock debugging due to kernel taint
```

```
[ 47.548124] rtl8192cu driver version=v4.0.2_9000.20130911
```

```
[ 47.553872] build time: Apr 24 2014 15:21:03
```

```
[ 47.558565] usbcore: registered new interface driver rtl8192cu
```

```
root@smarct335x:~#
```

To build:

1. Download the RTL8192CU source file from realtek website.
2. Extract the tarball
3. cd rtl8188C\_8192C\_usb\_linux\_v4.0.2\_9000.20130911/
4. You need to modify the Makefile

```
Add CONFIG_PLATFORM_SMARCT335X =y
```

```
--- and
```

```
ifeq ($(CONFIG_PLATFORM_SMARCT335X), y)
```

```
EXTRA_CFLAGS += -DCONFIG_LITTLE_ENDIAN
```

```
ARCH := arm
```

```
SUB_ARCH := arm
```

```
CROSS_COMPILE := /opt/gcc-linaro-arm-linux-gnueabi-hf-4.7-2013.04-20130415_linux/bin/arm-linux-gnueabi-hf-
```

```
KSRC ?= /home/eric/smarct335x-working/linux-smarc-t335x-v3.2/
```

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```
KVER := 3.2.0
```

```
endif
```

```
5. $ export CC=/opt/gcc-linaro-arm-linux-gnueabi-hf-4.7-2013.04-20130415_linux/bin/arm-linux-gnueabi-hf-
```

```
6. $ make ARCH=arm CROSS_COMPILE=${CC}
```

Unique solution ID: #1010

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