

# openWRT mit LTE

Router: tl-wr1043nd  
LTE-Stick: Vodafone K5005

- openwrt installieren
- opkg update
- Weitere Pakete installieren:

```
opkg install libpthread kmod-mii kmod-usb-net kmod-usb-wdm kmod-usb-
net-qmi-wwan librt libusb-1.0 usb-modeswitch uqmi
```

- reboot
- konfigure QMI

- root@OpenWrt:~# ls -l /dev/cdc-wdm0
 crw-r--r-- 1 root root 180, 176 Oct 1 12:03 /dev/cdc-
 wdm0

- Sollte der Stick nicht vorhanden sein:

```
usbmode -l
usbmode -s
```

- root@OpenWrt:~# uqmi -d /dev/cdc-wdm0 --get-data-status
 "disconnected"
 root@OpenWrt:~# uqmi -d /dev/cdc-wdm0 --get-signal-info
 {
 "type": "lte",
 "rss": -61,
 "rsrq": -6,
 "rsrp": -88,
 "snr": 290
 }

- root@OpenWrt:~# uqmi -d /dev/cdc-wdm0 --start-network internet --
 autoconnect
 38750672
 root@OpenWrt:~# uqmi -d /dev/cdc-wdm0 --get-data-status
 "connected"

- in /etc/config/network

```
config interface 'wwan'
    option ifname 'wwan0'
    option proto 'dhcp'
```

- Firewall-Regel; Network → Firewall; WAN-Interface → Edit; WWAN anhaken

# Quellen:

1. <http://nucblog.net/2014/10/turn-your-old-wireless-router-into-an-lte-router-with-openwrt/>

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