



openWRT mit LTE

Router: tl-wr1043nd

LTE-Stick: Vodafone K5005

- openwrt installieren
- Sourcen updaten:

```
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
- konfigurere 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",
    "rssi": -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 'wan0'  
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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