# Configuration manual - OpenWRT

The AG-1621 is also sold in an OpenWRT version. With this system, we have a web interface available, and all in all, it is a ready-to-use gateway.

## OpenWRT Startup Guide

### Opening inbuilt website

To access the built-in website, connect the gateway by WAN to the local network and enter the IP address in the address window of the browser. Please note that it may take some time from powering on to booting up the system.
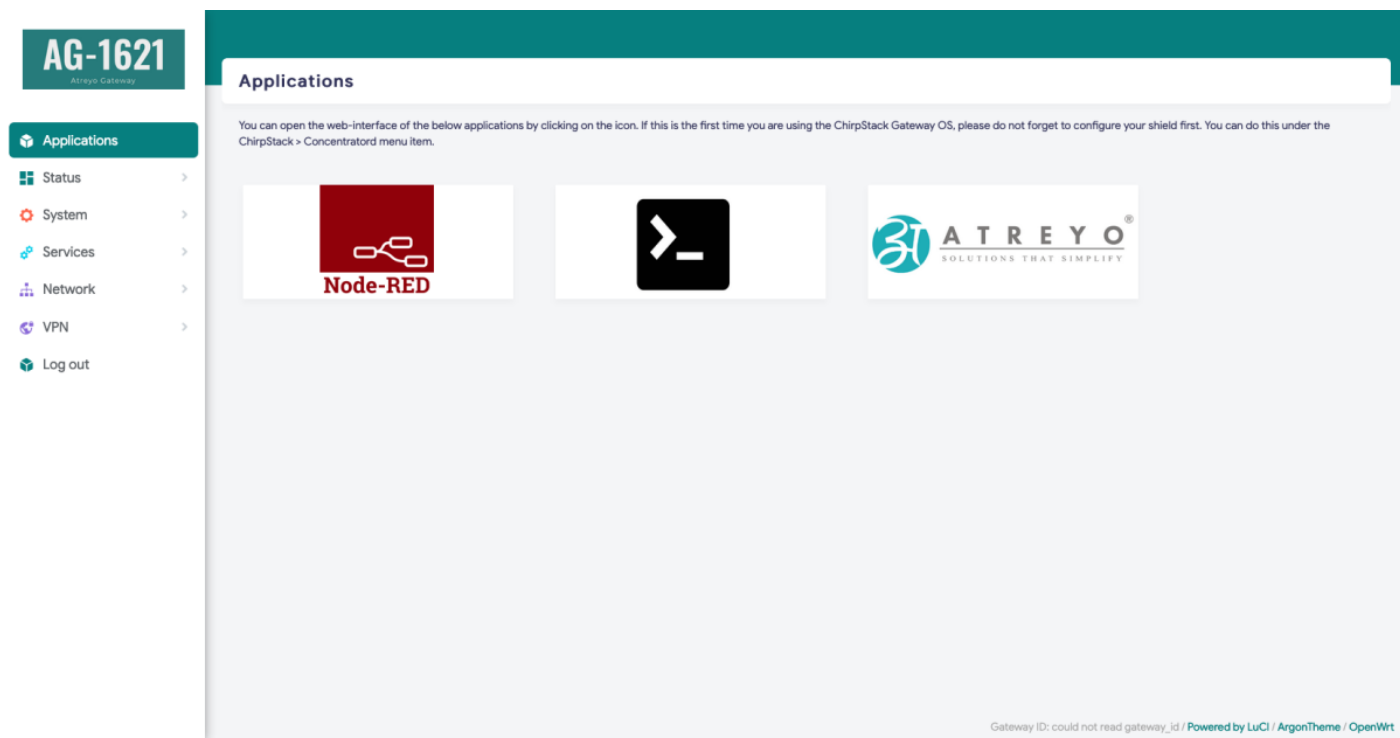
IP: **http://192.168.10.60**
user name: **root**
password: **root**



After logging in, you are automatically taken to the application page.

# Cellular modem

## Modem

The Gateway in its basic configuration is equipped with an LTE modem that also supports GPRS and SMS functions. Different modems were used depending on the model variant. Here is a table of models.
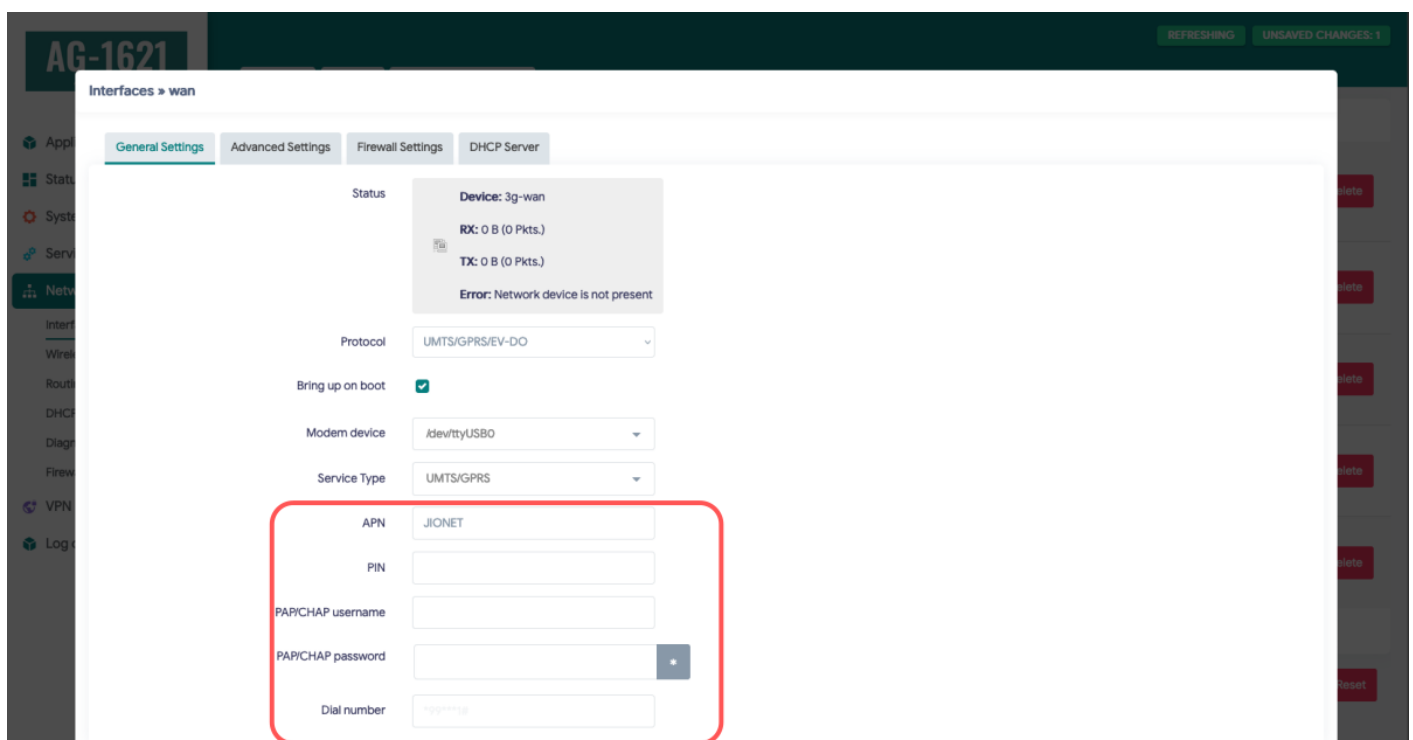
## SIM card

The Gateway supports two nano SIM cards, both 1.8V and 3V. The card connector is tray type. When installing the SIM card, pay attention to the correct insertion of the card. The used SIM card tray is designed so that the card sticks to the tray. This make easily insert the SIM regardless of the position of the Gateway

## Using Cellular Network

To activate the LTE modem, go to **Network > Interfaces** and select the **lte** tab there.
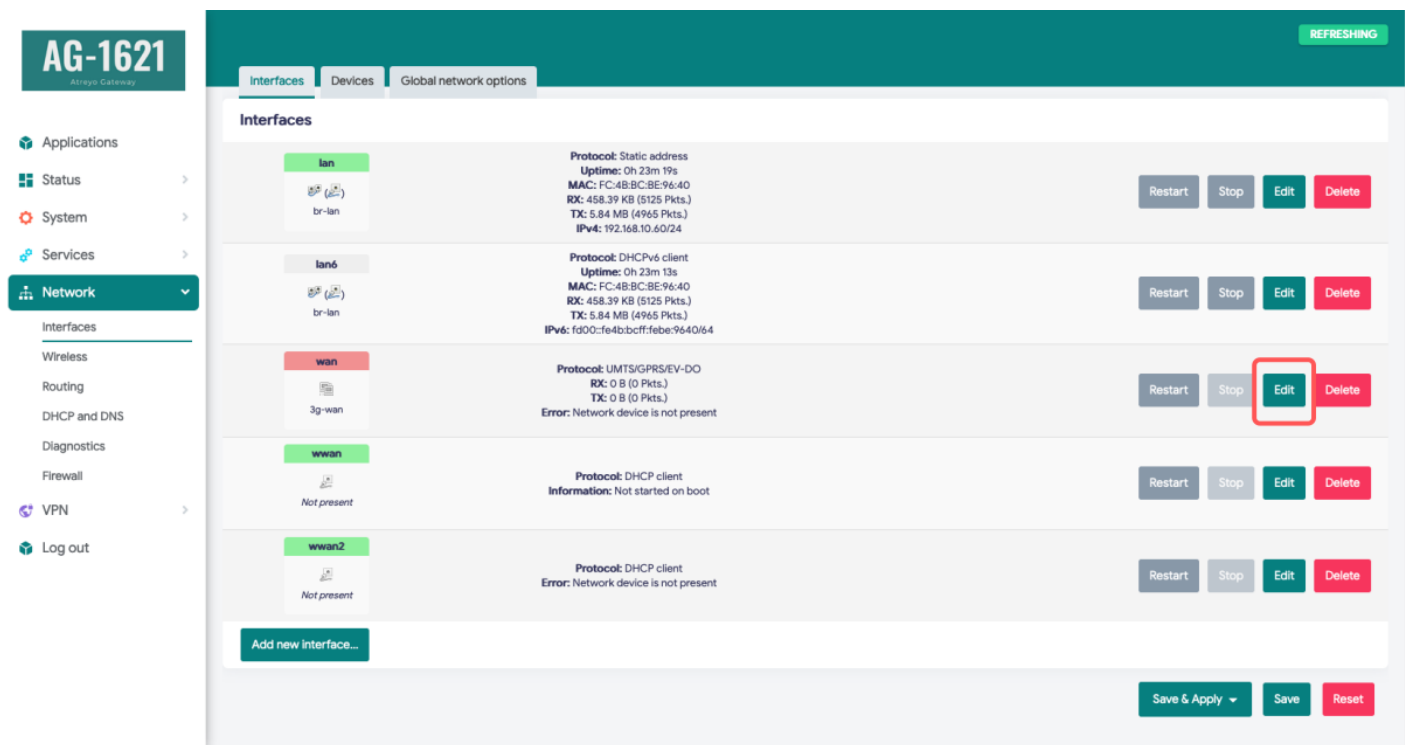
Mostly the network operator requires you to enter the APN, sometimes it also requires a username and password. Enter the required data and save.



Then go to **System > Custom Commands** and click on **Start modem**.

The modem will start up and connect to the Internet. To check if it is working properly and what the signal is, go to **Status > Mobile Service**.



# Cellular modem  ON on start

To make the gateway automatically connect to the Internet after startup, you need to add a modem startup in the System > Startup section under Local Startup, add a line

```
/usr/commands/start_modem.sh.
```

Then save the changes. After each reboot, the gateway will automatically start the modem.
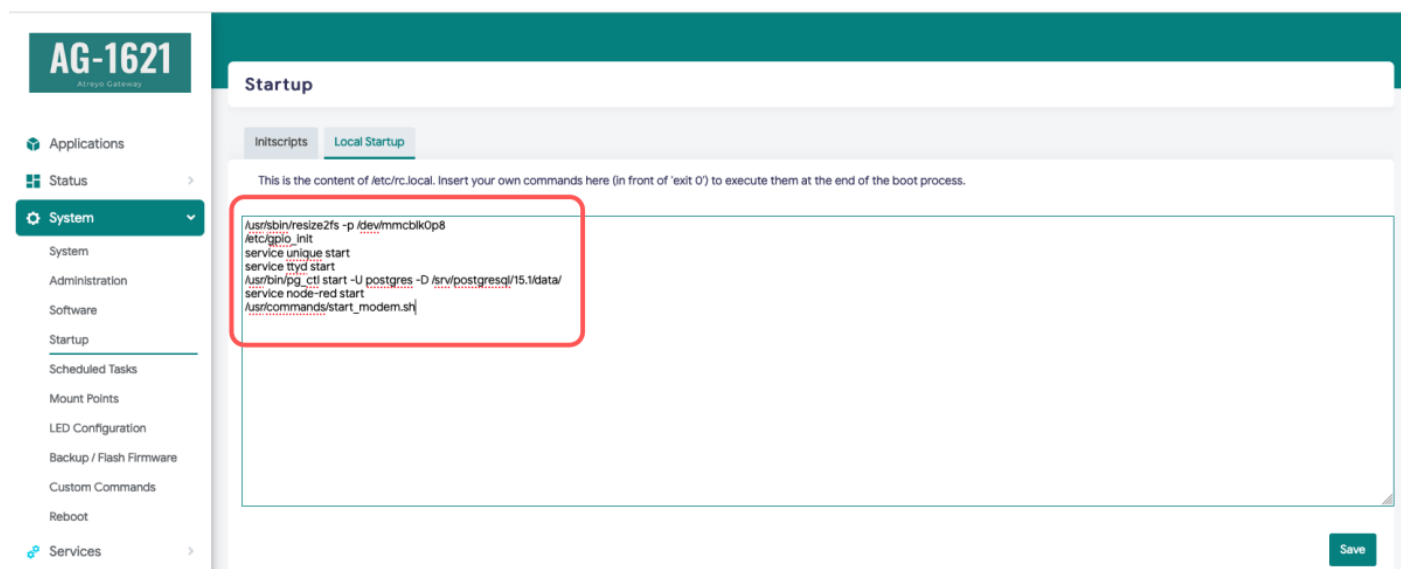


Generally, the Gateway supports all versions of Quectel MiniPCI express modems. However, you can use a third-party modem, as long as the signal outputs are compatible with those of the Quectel company. For use your won LTE module select model without LTE module installed. You also need to pay attention to the power supply to the LTE module should be 3.3V.

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