

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.

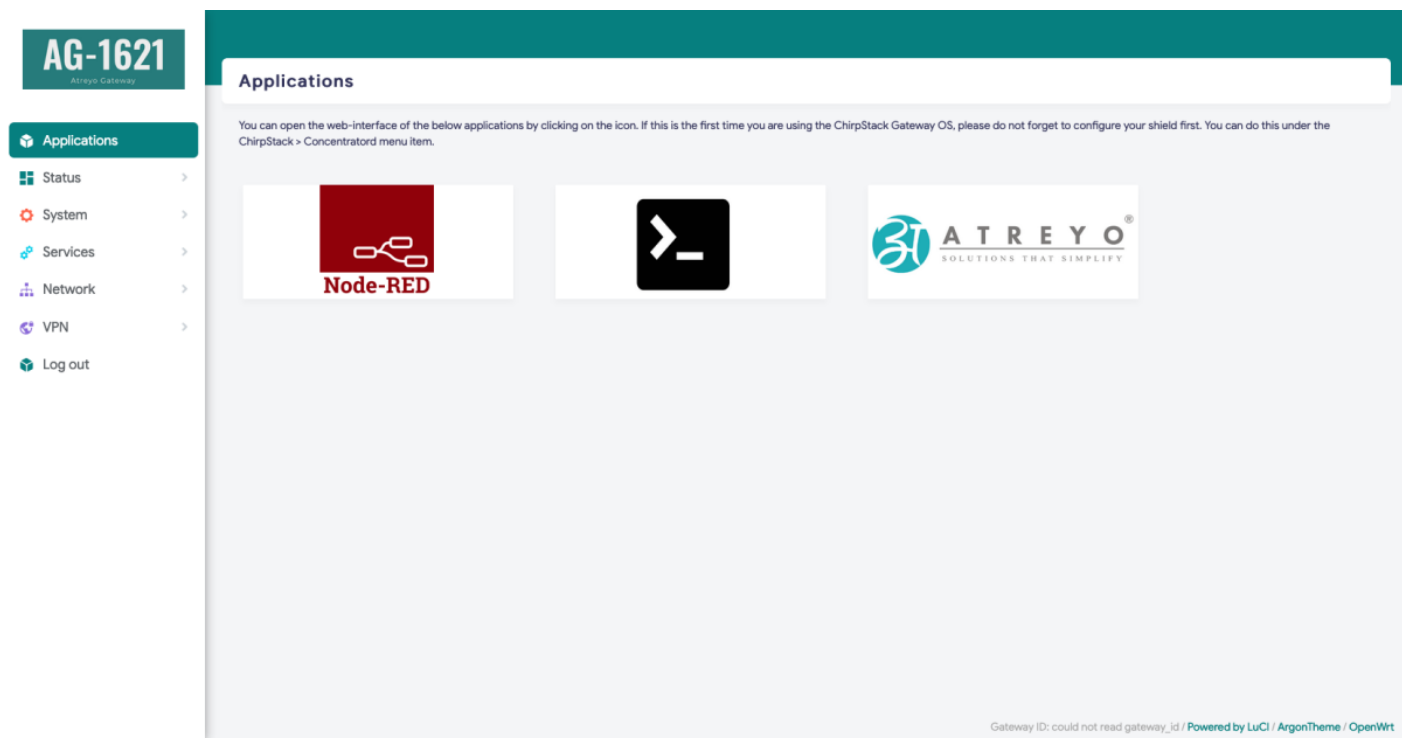
IP: **http://192.168.10.60**

user name: **root**

password: **root**



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



Cellular modem

Modem

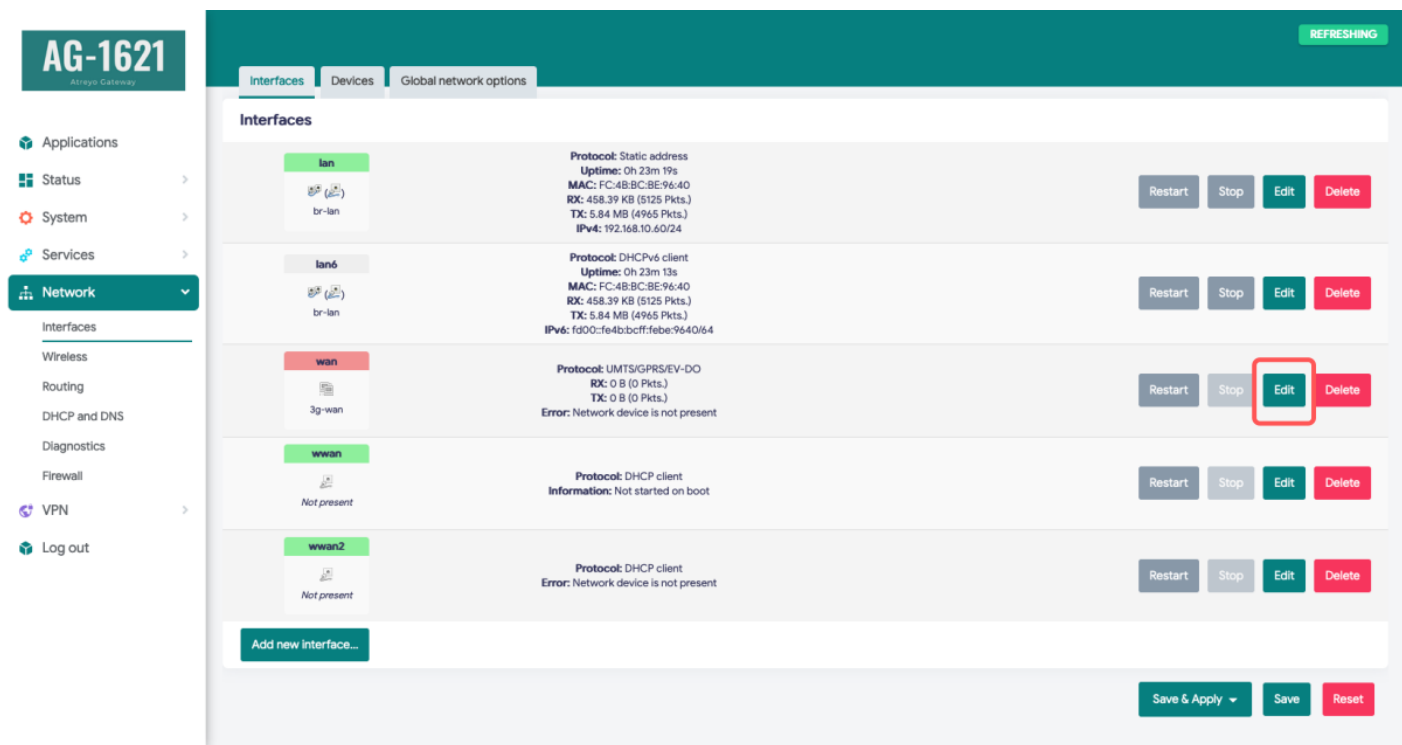
The Gateway in its basic configuration is equipped with an LTE modem that also supports GPRS and SMS functions. Different modems were used depending on the model variant. [Here](#) is a table of models.

SIM card

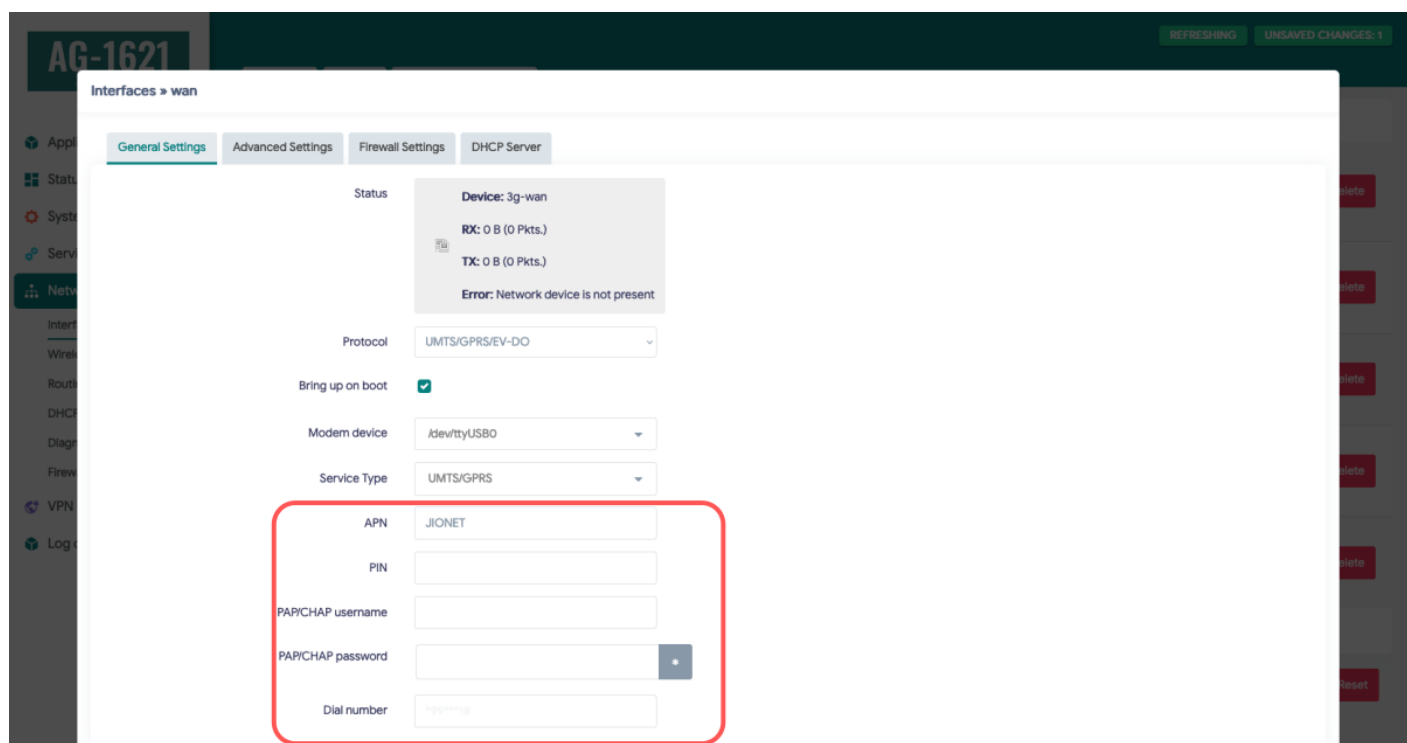
The Gateway supports two nano SIM cards, both 1.8V and 3V. The card connector is tray type. When installing the SIM card, pay attention to the correct insertion of the card. The used SIM card tray is designed so that the card sticks to the tray. This make easily insert the SIM regardless of the position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

AG-1621
Altegra Gateway

Applications
Status
System

System
Administration
Software
Startup
Scheduled Tasks
Mount Points
LED Configuration
Backup / Flash Firmware
Custom Commands
Reboot

Services
Network
VPN
Log out

Dashboard Configure

Command successful (Code: 0)

Custom Commands

Reboot Run script command	Start modem Run script command	Shutdown modem Run script command
Show mounted block devices Run script command	Show space on mounted devices Run script command	List devices USB Run script command
Turn GPS antenna to active mode Run script command	Turn GPS antenna to passive mode Run script command	Activate GPS on ttyUSB6 Run script command
Show GPS location Run script command	Relay ON Run script command	Relay OFF Run script command
Show Input 1 state Run script command	Show Input 2 state Run script command	Default system Run script command

```
# '/usr/commands/start_modem.sh'  
/dev/ttyUSB0 isn't exist. Trying to start.
```

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**.

AG-1621
Altegra Gateway

Applications
Status
System

Overview
Routing
Firewall
System Log
Processes
Channel Analysis
Realtime Graphs
Mobile Service

System
Services
Network
VPN
Log out

REFRESHING

Mobile Service

/sys/devices/platform/soc-B/9c103100.usb/usb2/2-1

Modem Info

Manufacturer	Quectel
Model	EC200U
Revision	EC200UEUAA03A10M08
IMEI	860: <div></div>
Device Identifier	c3755d1611bc95eba5742f59234bbc2e1a6ebab0
Power State	on
State	disabled

Network Registration

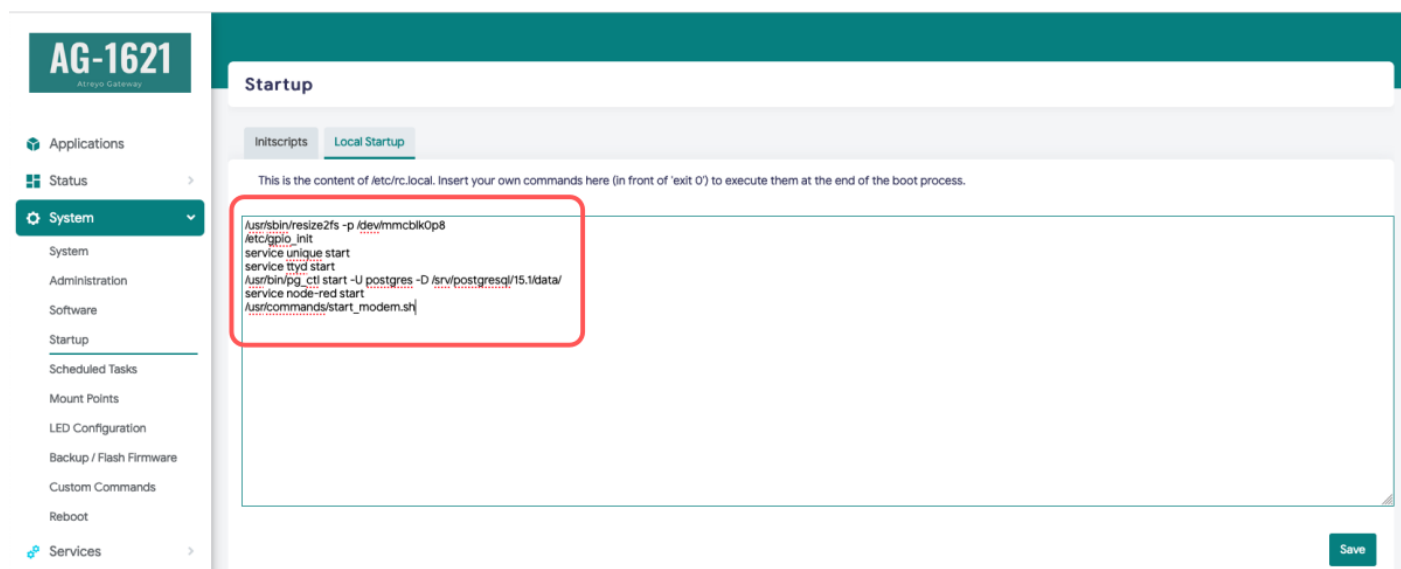
Own Numbers	91 <div></div>
Access Technologies	
Signal Quality	0 % <div></div>

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.

Revision #1

Created 9 March 2025 04:11:16 by Yogesh

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