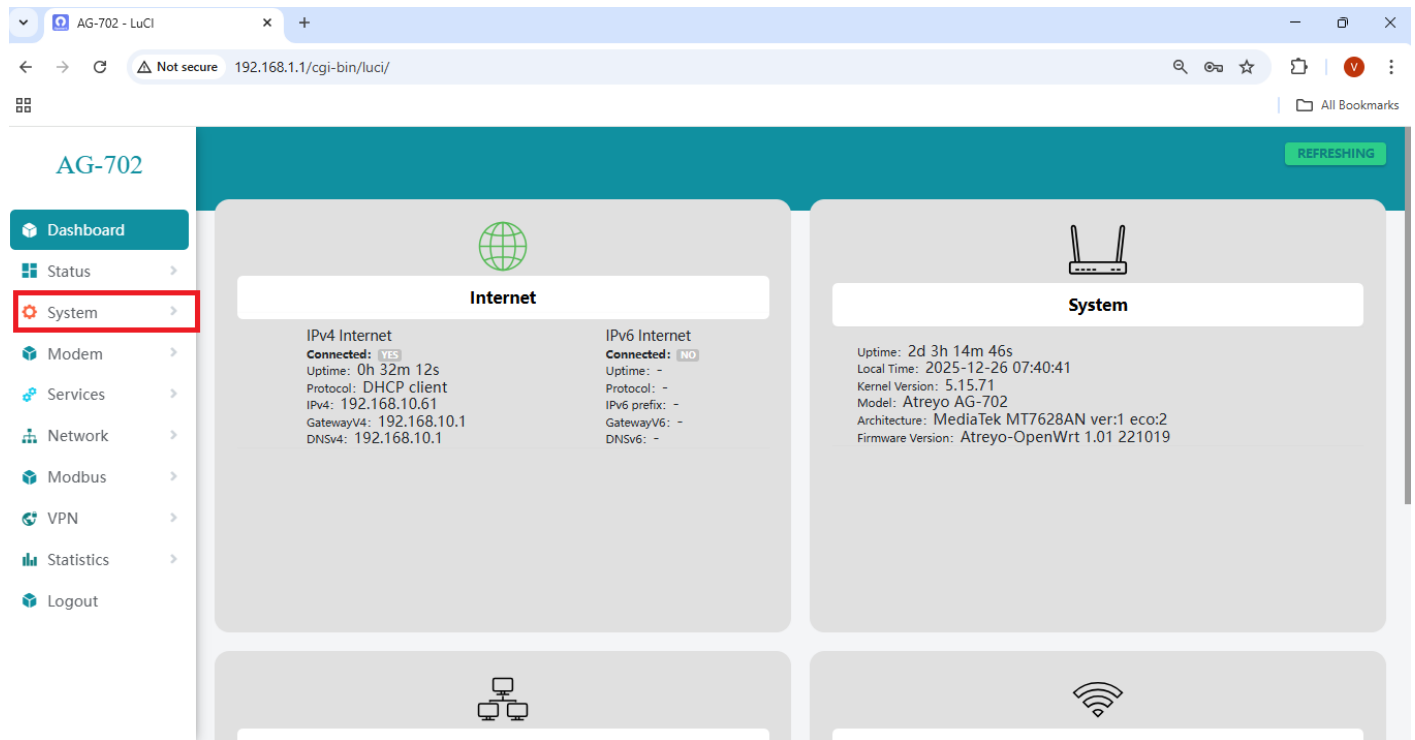


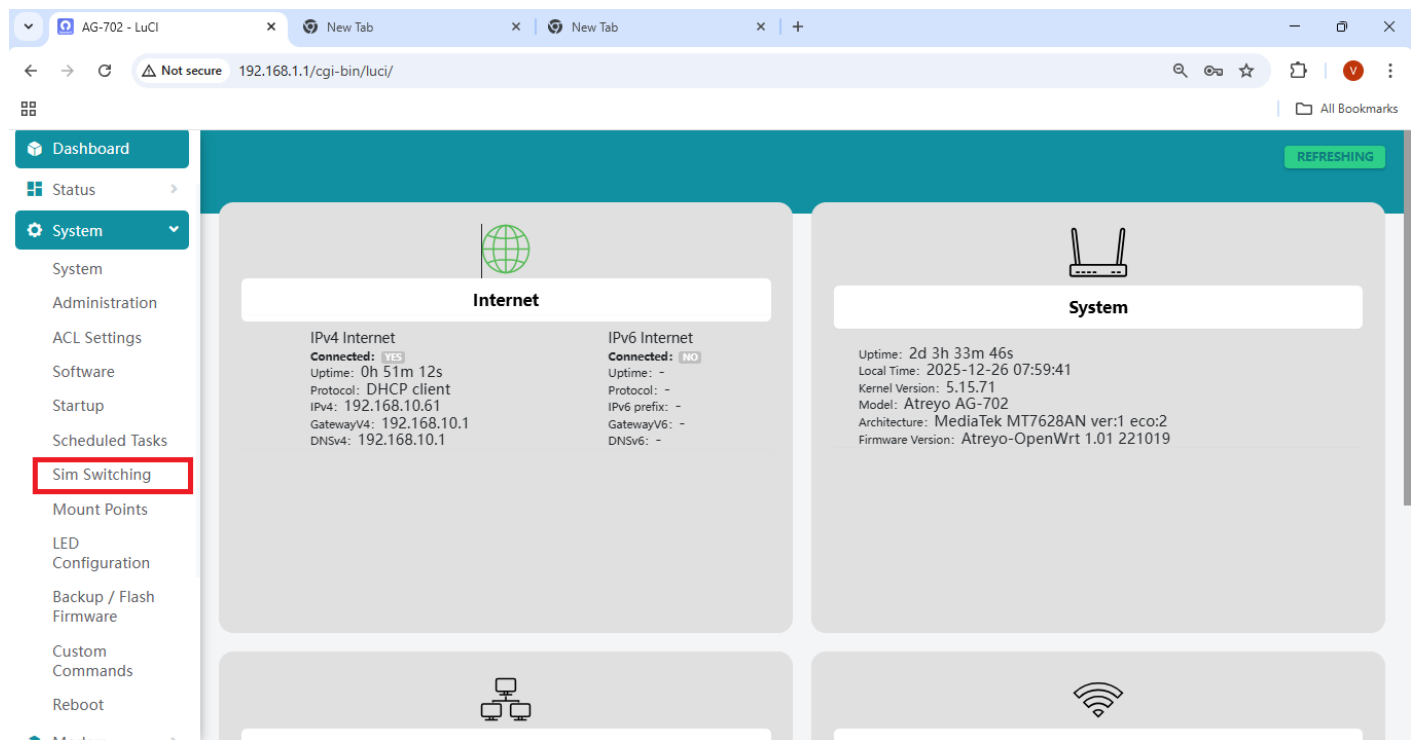
SIM switch

The SIM Switch app allows you to comprehensively manage both SIM cards, APNs, and more.

Navigate to System.



Go to System ? Sim_Switching



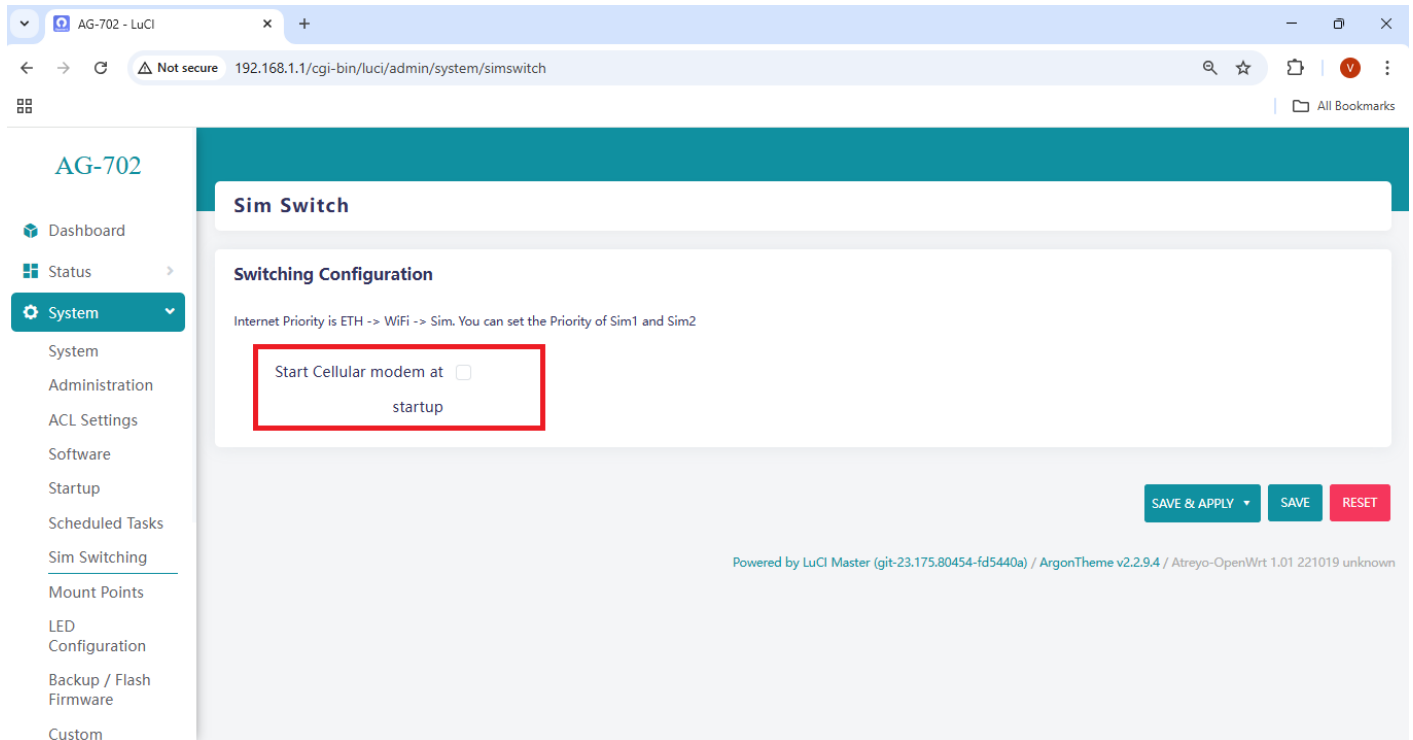
You will now be redirected to the SIM Switching configuration page.

Before configuring the SIM switch, make sure the modem is turned off.

1. Start Cellular Modem at Startup

Enable the option **Start cellular modem at startup** as shown below.

This option ensures that the cellular modem automatically starts whenever the device boots.



Once enabled, the SIM configuration options will become available.

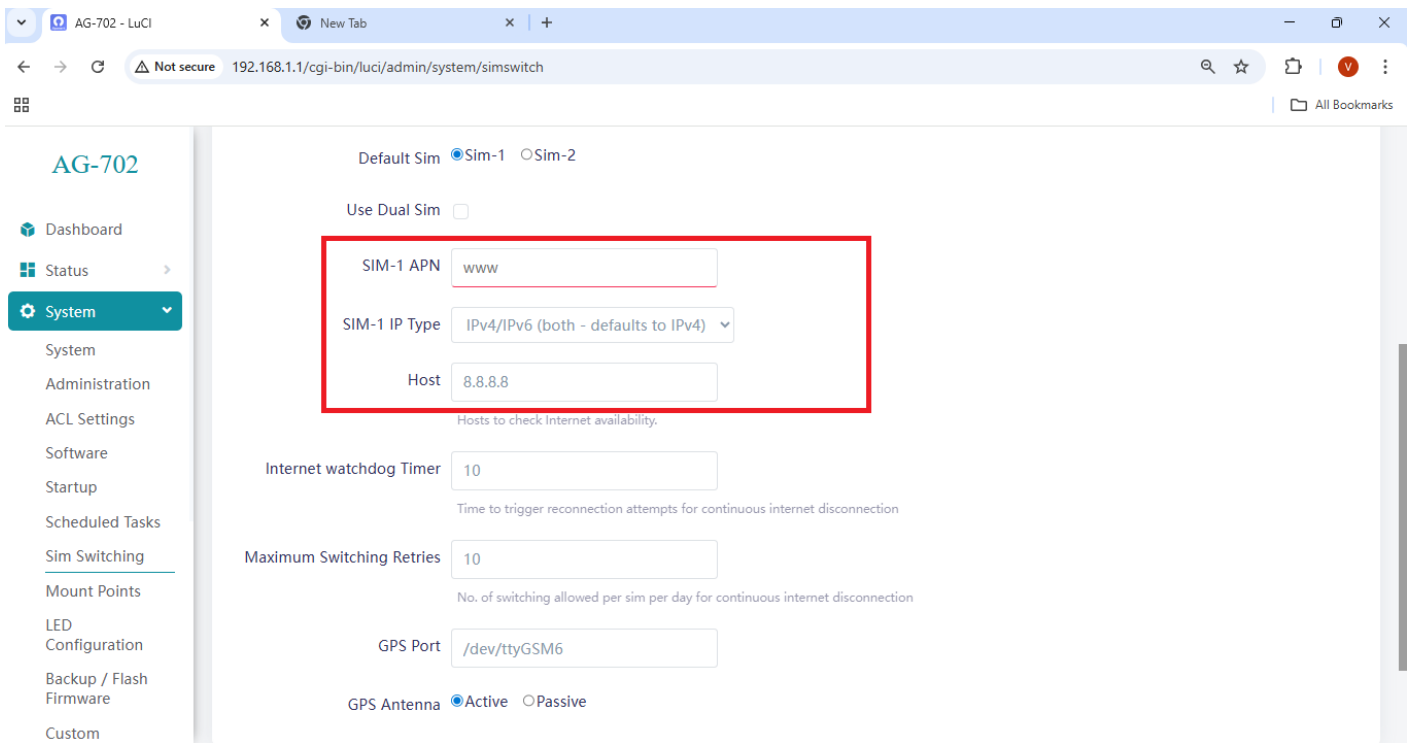
2. SIM Configuration

There are two ways to configure the SIM card:

1. Single SIM mode
2. Dual SIM mode

2.1 Single SIM Configuration

- Select **SIM1** or **SIM2** depending on the slot in which the SIM card is inserted.
- Configure the **APN** and **IP Type** as shown below.



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Dashboard

Status

System

System

Administration

ACL Settings

Software

Startup

Scheduled Tasks

Sim Switching

Mount Points

LED Configuration

Backup / Flash Firmware

Custom

Default Sim ☒ Sim-1 ☐ Sim-2

Use Dual Sim ☐

SIM-1 APN

SIM-1 IP Type

Host

Hosts to check Internet availability.

Internet watchdog Timer

Time to trigger reconnection attempts for continuous internet disconnection

Maximum Switching Retries

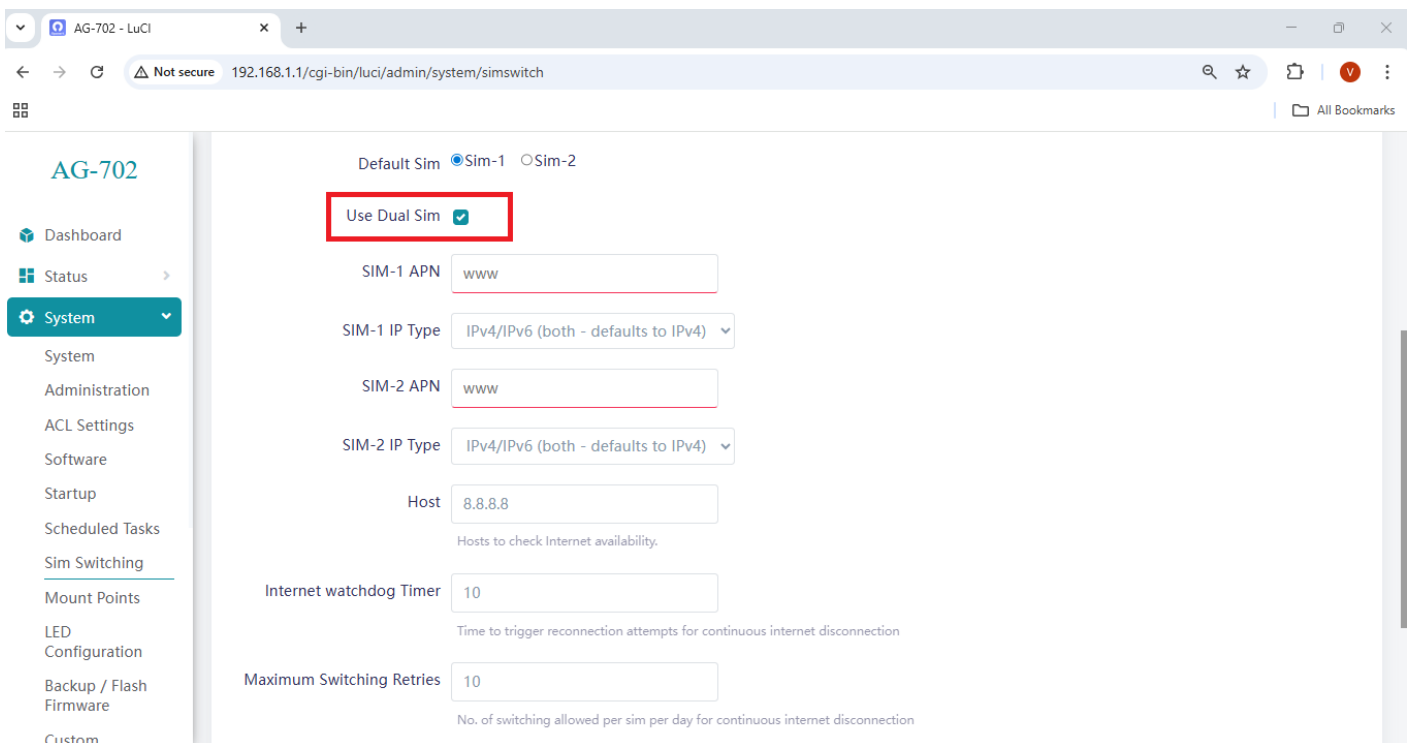
No. of switching allowed per sim per day for continuous internet disconnection

GPS Port

GPS Antenna ☒ Active ☐ Passive

2.2 Dual SIM Configuration

Select the SIM card that should be used at device startup.
Enable the option **Use Dual SIM**.



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Dashboard

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System

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Sim Switching

Mount Points

LED Configuration

Backup / Flash Firmware

Custom

Default Sim ☒ Sim-1 ☐ Sim-2

Use Dual Sim ☒

SIM-1 APN

SIM-1 IP Type

SIM-2 APN

SIM-2 IP Type

Host

Hosts to check Internet availability.

Internet watchdog Timer

Time to trigger reconnection attempts for continuous internet disconnection

Maximum Switching Retries

No. of switching allowed per sim per day for continuous internet disconnection

GPS Port

After enabling Dual SIM mode, configure the **APN** and **IP Type** for both SIMs.

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192.168.1.1/cgi-bin/luci/admin/system/simswitch

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- Dashboard
- Status
- System
- System
- Administration
- ACL Settings
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- Scheduled Tasks
- Sim Switching
- Mount Points
- LED Configuration
- Backup / Flash Firmware
- Custom

SIM-1 APN:

SIM-1 IP Type:

SIM-2 APN:

SIM-2 IP Type:

Host:
Hosts to check Internet availability.

Internet watchdog Timer:
Time to trigger reconnection attempts for continuous internet disconnection

Maximum Switching Retries:
No. of switching allowed per sim per day for continuous internet disconnection

GPS Port:

GPS Antenna: ☒ Active ☐ Passive

3. Internet Watchdog Timer

AG-702 - LuCI

192.168.1.1/cgi-bin/luci/admin/system/simswitch

AG-702

- Dashboard
- Status
- System
- System
- Administration
- ACL Settings
- Software
- Startup
- Scheduled Tasks
- Sim Switching
- Mount Points
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- Backup / Flash Firmware
- Custom

SIM-1 APN:

SIM-1 IP Type:

Host:
Hosts to check Internet availability.

Internet watchdog Timer:
Time to trigger reconnection attempts for continuous internet disconnection

Maximum Switching Retries:
No. of switching allowed per sim per day for continuous internet disconnection

GPS Port:

GPS Antenna: ☒ Active ☐ Passive

SAVE & APPLY SAVE RESET

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The Internet Watchdog Timer continuously monitors Internet connectivity and automatically performs recovery actions if the connection is lost for a defined duration.

Important: The cellular modem requires approximately **1-2 minutes** to initialize. Therefore, configure the watchdog timeout to a minimum of **2 minutes**. Do not set a lower value.

4. Maximum Switching Retries

This parameter defines the maximum number of SIM switching attempts allowed per SIM during continuous Internet disconnection scenarios.

After completing all configurations, click **Save**, and then click **Save & Apply** to apply the changes.

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