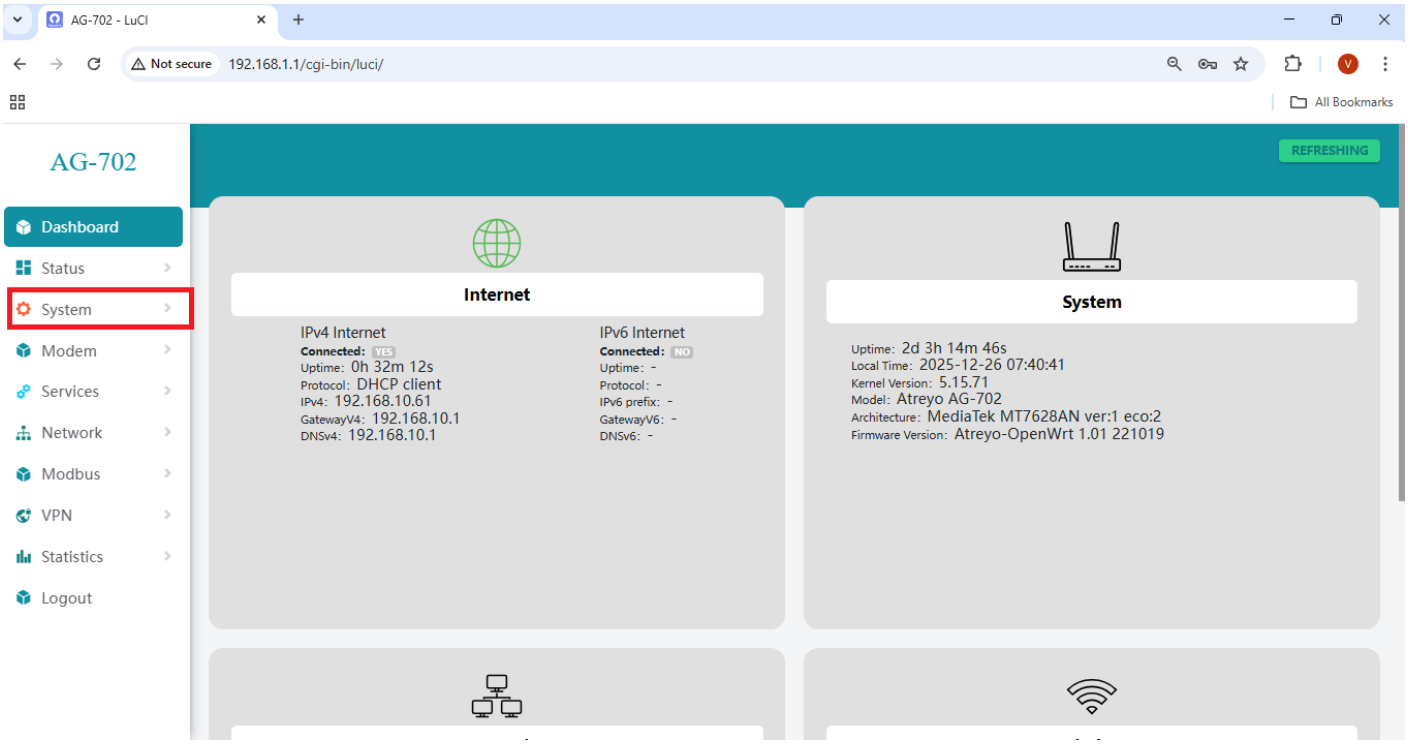
Atreyo OpenWRT apps

- SIM switch

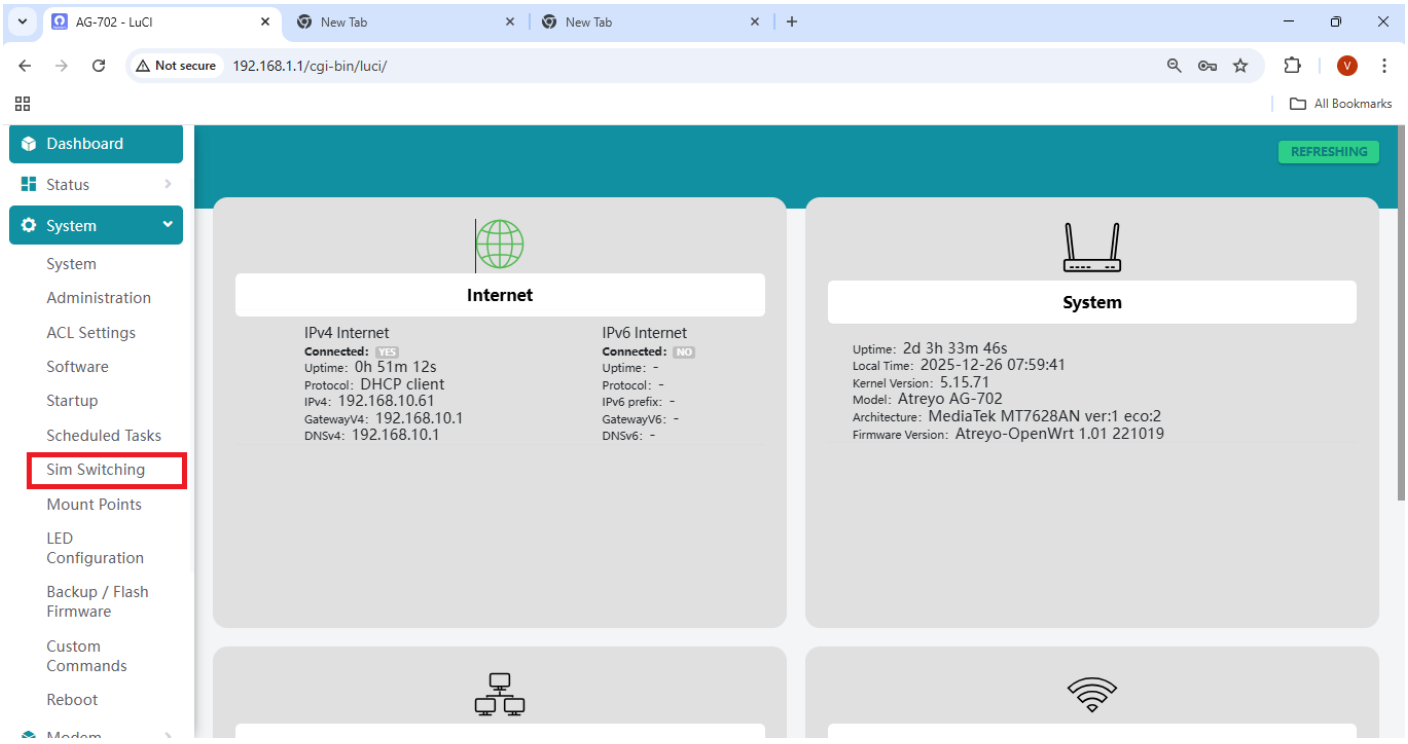
SIM switch

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.

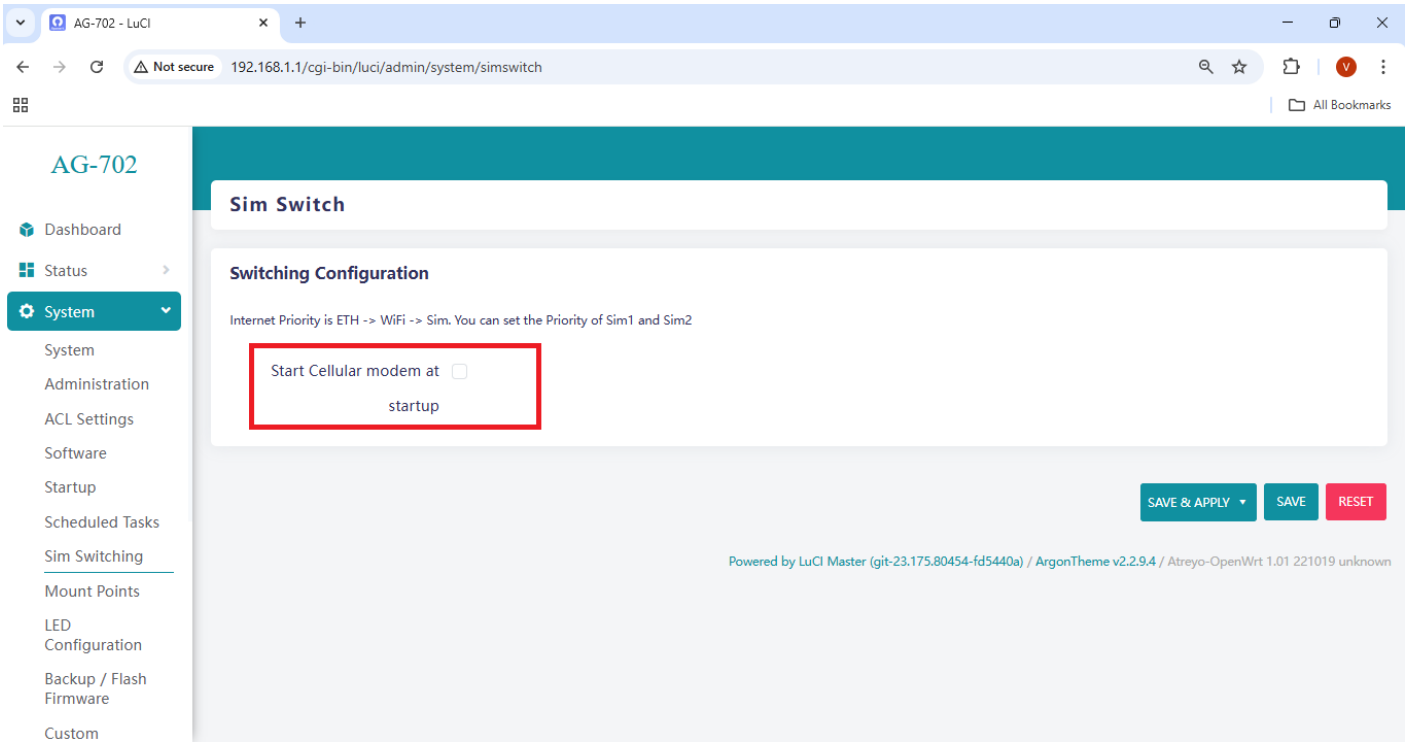
> Before configuring the SIM switch, make sure the modem is turned off.

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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.

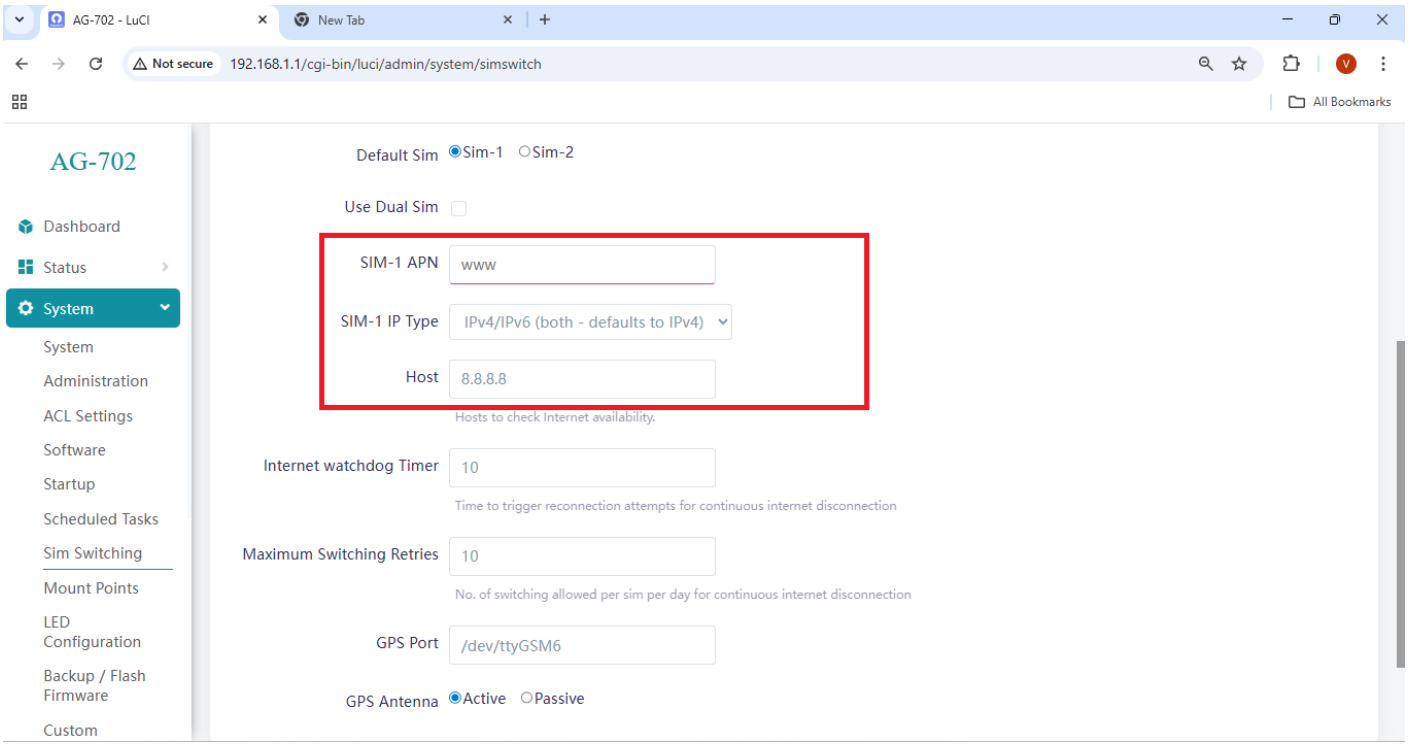
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2. SIM Configuration

There are two ways to configure the SIM card:
1. Single SIM mode
2. Dual SIM mode

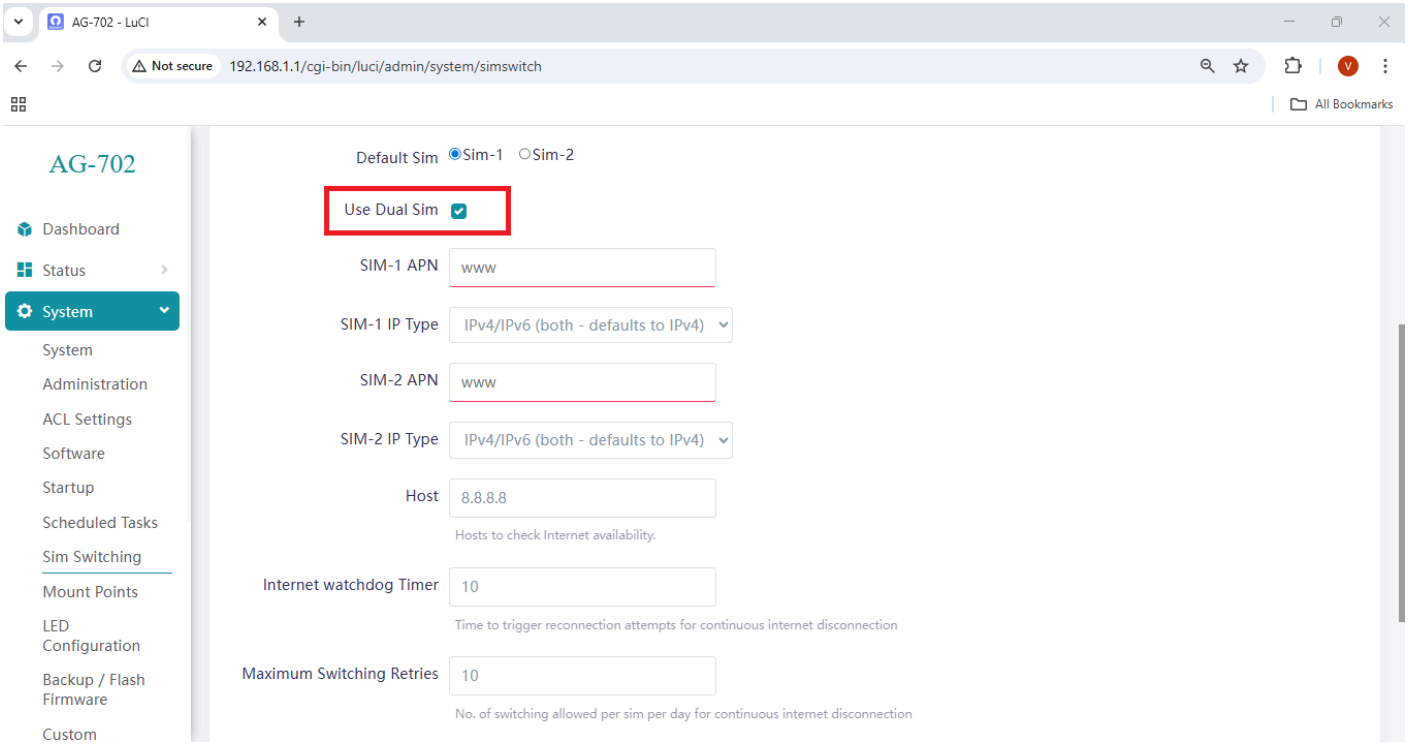
2.1 Single SIM Configuration

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

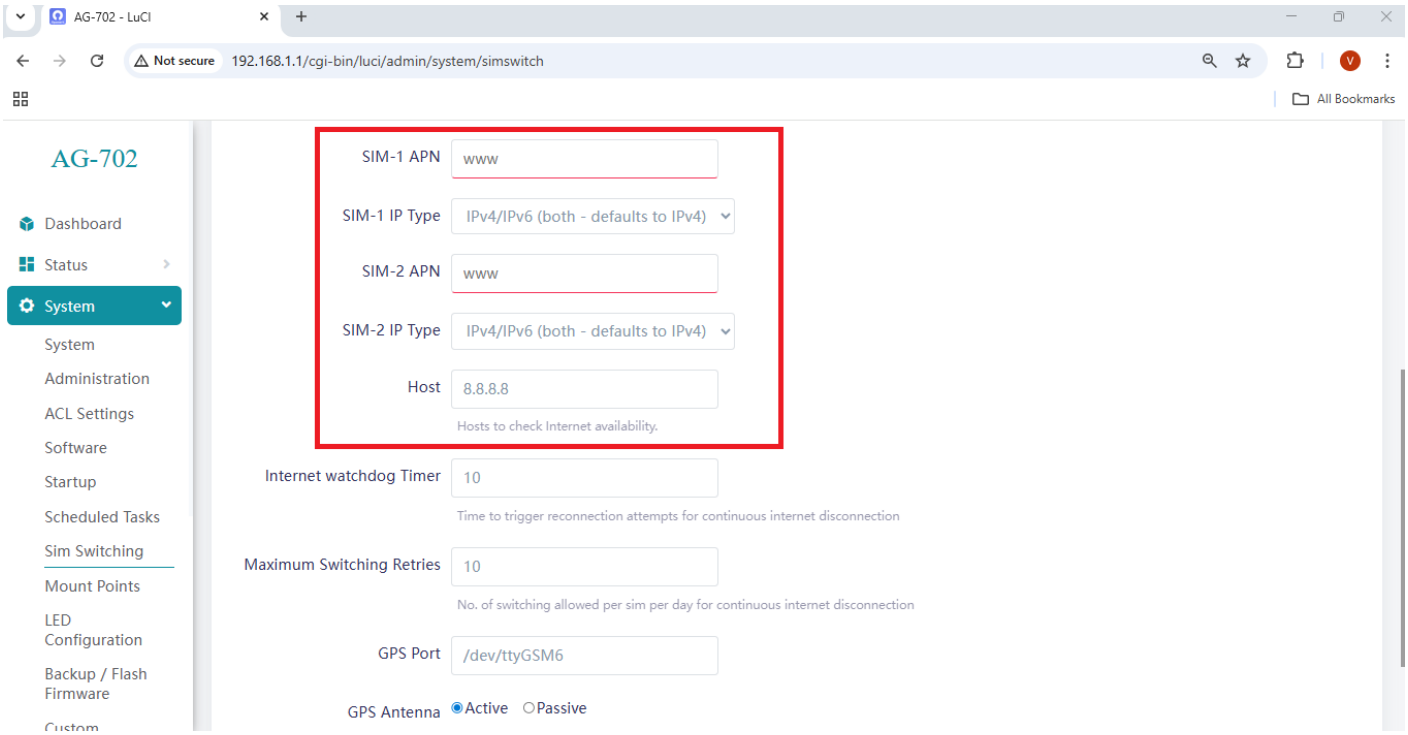


2.2 Dual SIM Configuration

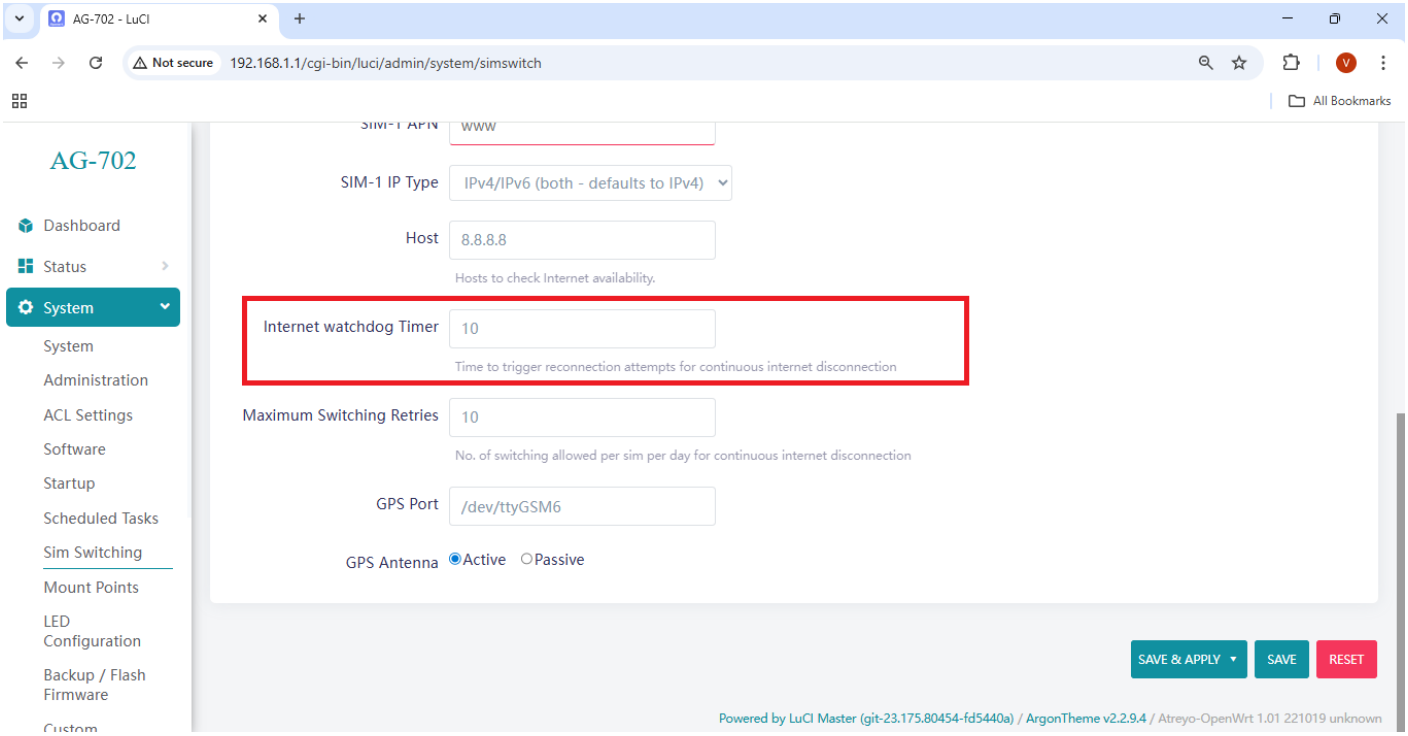
Select the SIM card that should be used at device startup.
Enable the option **Use Dual SIM**.



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



3. Internet Watchdog Timer



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.