

Multi-APN

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The information in this page is updated in accordance with **00.07.08** firmware version.



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Introduction

This article contains instructions on how to utilize the device's **Multi-APN** feature in order to establish connections to multiple mobile networks using a single SIM card. This feature may also be referred to as "Multiple PDN".

Configuration prerequisites

Prerequisites:

- Latest firmware with Multi-APN support (*R_00.07.00 and newer*)
- SIM card with multiple APNs

Configuring router

If you're having trouble finding this page or some of the parameters described here on your device's WebUI, you should **turn on "Advanced WebUI" mode**. You can do that by clicking the "Advanced" button, located at the top of the WebUI.



In the example below, we will be using *wap* (dynamic) and *bangapro* (static) as our different APNs. Replace these values in accordance with your SIM card provider.

Note: As of firmware version **R_00.07.08**, 8 different APNs are supported at once. Multi-APN feature is **not supported** on the following devices:

- TRB1 series
- TRB256
- TRB5 series
- RUT200 (if module is EC200A)
- RUT901

STEP 1: Create a new mobile interface: Connect to router's **WebUI**, navigate to **Network → WAN**. Find the **Add** button below and click the **Add** button.



STEP 2: Configure the new interface.

An interface configuration window should appear after adding a new interface.

Then configure the interface in this order:

1. Select **Mobile** in the protocol list.
2. Choose the name for your new **interface**.
3. Choose an APN from the list, *or* select **+ Add new** to define a custom APN.
4. Press **Save & Apply** below once done.



If your first interface has auto APN, once you will click "**Save & Apply**", you will be prompted to a new window, where you will have to accept to turn off the Auto APN on the sim card interfaces. Choose **Yes**.



The new interface should appear in the list and start connecting to mobile data.

Once connected, you will see an IP assigned according to the APN.



If your new interface is unable to connect, make sure you have not set an identical APN on the default mobile interface for that SIM card.

STEP 3: Configure the default interface.



Interface configuration window should appear after pressing EDIT. Follow the same steps in **STEP 2** with a different APN if needed.

The default interface should soon connect to data with an IP assigned according to the APN.

Results

You should see the two different mobile interfaces connected to data with different IPs assigned:



Testing configuration

You may also check if the configuration was successful by pinging an address reachable from the internet via **CLI** or **SSH**: To check which interfaces are created for mobile, you can use this command:

```
ifconfig
```



To ping from the default interface, use command:

```
ping -I qmimux0 8.8.8.8
```



To ping from the created interface, use command:

```
ping -I qmimux1 8.8.8.8
```

