



Carrier-Specific APN List (firmware
18.4 and later)
6310-DX, 6330-MX, and 6350-SR

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Goal

To configure a customized APN list that will connect an Accelerated device to non-standard APNs based off of the cellular carrier associated with the SIM card.

! **NOTE:** For a list of APNs automatically programmed into Accelerated's firmware settings, [click here](#). The APNs on that list don't typically need to be programmed manually.

Setup

This article assumes that the the APN(s) being programmed in have been validated as the correct APN associated with an active SIM card. To create carrier-specific APN lists for multiple carriers, a new modem interface must be added and associated with the particular carrier.

The configuration steps described below covers how to assign a custom APN list to a configuration template in Accelerated View. It is important to keep in mind that the device connecting over a custom APN may require an alternative Internet connection (via its Ethernet WAN port) or a local configuration change before coming online to sync with its cloud template. [Click here](#) for more information about staging a device for initial connectivity.

Sample

The sample configuration outlined below shows how to associate the default modem entry with one carrier (AT&T), and how to then create an additional modem interface associated with another carrier (Verizon). The custom APNs for each carrier are to be nested under the corresponding modem entry. While this example uses carrier detection to delineate between different APN lists, modem interfaces (and their associated APN lists) can instead be configured to specific SIM slots as needed.

Sample Configuration

! **NOTE:** *You will need to know the custom APN for each SIM and/or Carrier. This is a sample configuration specifically utilizing AT&T and Verizon SIMs. Any other carrier SIM cards will not match this connection and will need to be configured with the corresponding Carriers and APNs.*

1. Under **Modem > Match SIM by**, choose "Carrier."
2. Under **Modem > Match SIM carrier**, choose the carrier matching the SIM card being inserted into the 1002-CM. In this example, it's "AT&T."

3. (Optional) Under **Modem > APN list only** can be checked to force the device to only try the APNs included in the list.
4. Under **Modem > APN list > APN**, type the APN. In this example, it's "customatt.apn." This will need to match the custom APN for the carrier specific SIM.
5. If an additional APN needs to be added, under **Modem > APN list > add** the additional APN by clicking **add** and type the additional APN.
6. If multiple SIMs utilizing different carriers will be utilized, a second modem interface will need to be created under **Network > Interfaces > Add Interface**. In this example, it is "vzwmodem."
7. Under **Network > Interfaces > vzwmodem > Zone**, choose "External."
8. Under **Network > Interfaces > vzwmodem > Match SIM by**, choose "Carrier."
9. Under **Network > Interfaces > vzwmodem > Match SIM carrier**, choose the carrier matching the SIM card being inserted into the 1002-CM. In this example, it's "Verizon."
10. (Optional) Under **Network > Interfaces > vzwmodem > APN list only** can be checked to force the device to only try the APNs listed in the "APN list."
11. Under **Network > Interfaces > vzwmodem > APN list > APN**, type the APN. In this example, it's "customvzw.apn." This will need to match the custom APN for the carrier specific SIM.
12. Under **Network > Interfaces > vzwmodem > IPv4 > Metric**, change the **Metric** to match the metric from **Modem > IPv4**. In this case, it is "3." (Repeat this for **IPv6** if **IPv6** is being utilized)
13. If an additional APN needs to be added, under **Network > Interfaces > vzwmodem > APN list > add** the additional APN by clicking **add** and type the additional APN.

