Dual Modem Setup
6300-CX, 6310-DX, 6330-MX, and 6350-SR

Dual Modem Setup

Goal

To configure an additional cellular WAN interface on an Accelerated device using an external USB modem.

> ⊘ **NOTE:** *Accelerated's SR- and MX-series devices have USB ports.*

Setup

This article assumes the USB-driven connection will serve as the primary WAN, and that the Accelerated device will fail over to the cellular connection provided by the 1002-CM module if the primary means of Internet access goes out. To learn more about configuring failover between WAN interfaces, [click here](link).

For this setup, you will need an active Internet connection on both the Accelerated device and a supported USB modem. Ethernet WAN interfaces may be added to, or swapped in place of, failover prioritization between cellular WAN interfaces, if available.

> ⊘ **NOTE:** *Accelerated devices only support the following USB modems:*
>
> **Officially Supported:**
>
> - Sierra Wireless 340u (AT&T Beam)
> - Sierra Wireless 313u (AT&T Momentum)
> - Sierra Wireless 313u (T-mobile Unlocked Momentum)
> - Aircard 320u (Telstra 4G)
> - Novatel U620L (Verizon)
> - Pantech UML290 (Verizon)
> - Pantech UML295 (Verizon)
>
> *Sierra Wireless 340u note: The Beam is officially supported but under certain signal strength conditions we recommend they use the included USB extension cable that comes with the Beam Air Card*
>
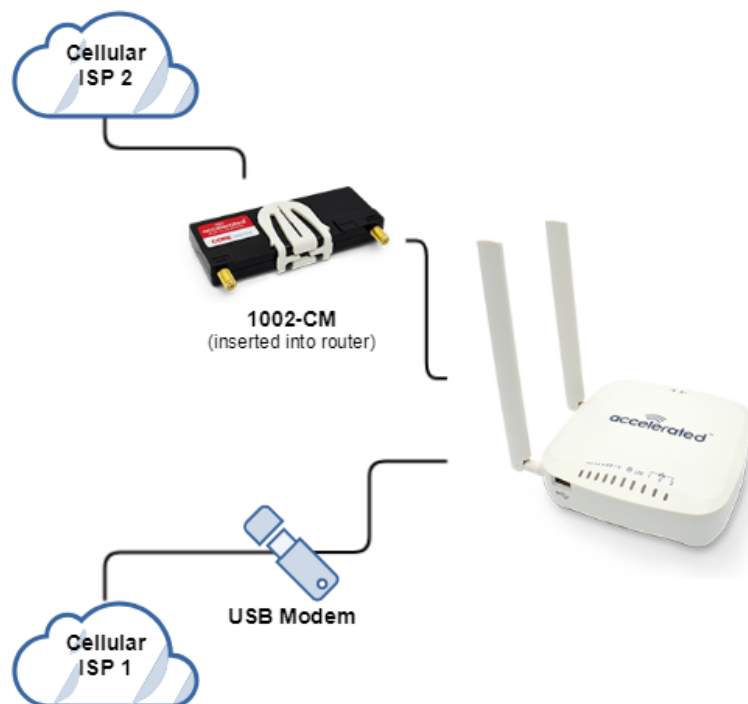> **Supported, Modem Configuration Required*:**
>
> Netgear 341u (Sprint)
>
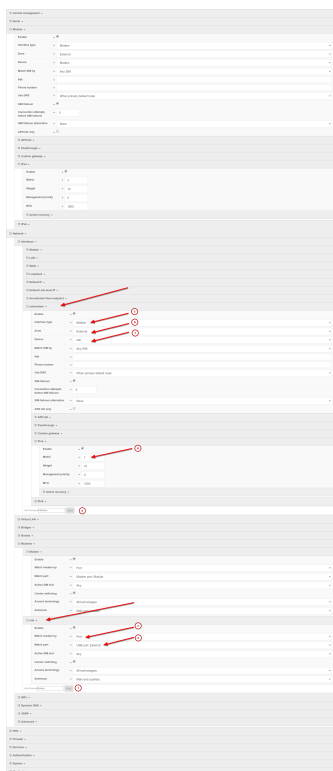> *Refer to our [FAQ](link) for More Information

Sample

The sample configuration below shows an Accelerated device with two cellular Internet connections: one using the 1002-CM module and the other using a supported USB modem. Failover is set to assume the USB modem (ISP 1) is

the primary connection, with the 1002-CM (ISP 2) serving as the backup that will step in should the primary line fail, though this can be adjusted as needed by altering the *Metric* value for each interface. Accelerated devices support both failover and load balancing between available Internet connections.

Sample Dual Modem aView Configuration

1. Under **Network > Modems > Add Modem**, create a new entry named "usb." The name can be different if desired.
2. Change the **Match modem by** to "Port."
3. Change the **Match port** to "USB port: External."
4. Under **Network > Interfaces**, create a new entry named "usbmodem." The name can be different if desired.
5. Change the **Interface type** to "Modem."
6. Change the **Zone** to "External."
7. Change the **Device** to "usb" (the modem entry we created in Step 1 above).
8. Under **Network > Interfaces > usbmodem > IPv4,** change the **Metric** to "1" (this sets the external USB modem as the primary modem).
9. Click **Save.**

> ⓘ NOTE: on firmware versions 18.8 or higher, you will also need to increase the *Maximum number of interfaces* from 1 to 2 under the *Network -> Modems -> Modem* section of the configuration. This enables the device to allow more than one active cellular connection at a time.