# LAN port with IP passthrough
## 6310-DX, 6330-MX, and 6350-SR

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Difficulty level: *Intermediate*

## Goal

To setup a device attached to a specific LAN Ethernet port to receive the passthrough IP address of the 63xx-series router's cellular modem connection.

## Setup

This article assumes the LAN ports are operating under default settings, which provide DHCP connectivity to devices connected to the 63xx-series router's LAN ports.  For more details on the default settings of the 63xx-series router, see the *Default Settings* section of the User's Manual.

You will need to establish the following details before configuring the 63xx-series router.

- **The 63xx-series router must be running firmware version 17.5.86 or higher.**
- The LAN Ethernet port you want to connect your client device to so it receives the passthrough IP address.

## Sample

The following diagram shows a sample setup of a 63xx-series router with LAN port 4 setup to provide the IP address of the cellular modem connection as a passthrough to the client device connected to port 4.  Client devices connected to LAN ports of the 63xx-series router or its WiFi networks will receive a DHCP address in the 192.168.0.x/ 24 range from the router like normal.

> ❗ **Important:**  The client device receiving the passthrough IP will only be able to use the 63xx's cellular WAN connection.  Meaning, if the 63xx-series router has a second WAN connection through its WAN Ethernet port, the client device with the passthrough IP will not be able to send traffic through the 63xx's WAN Ethernet interface.
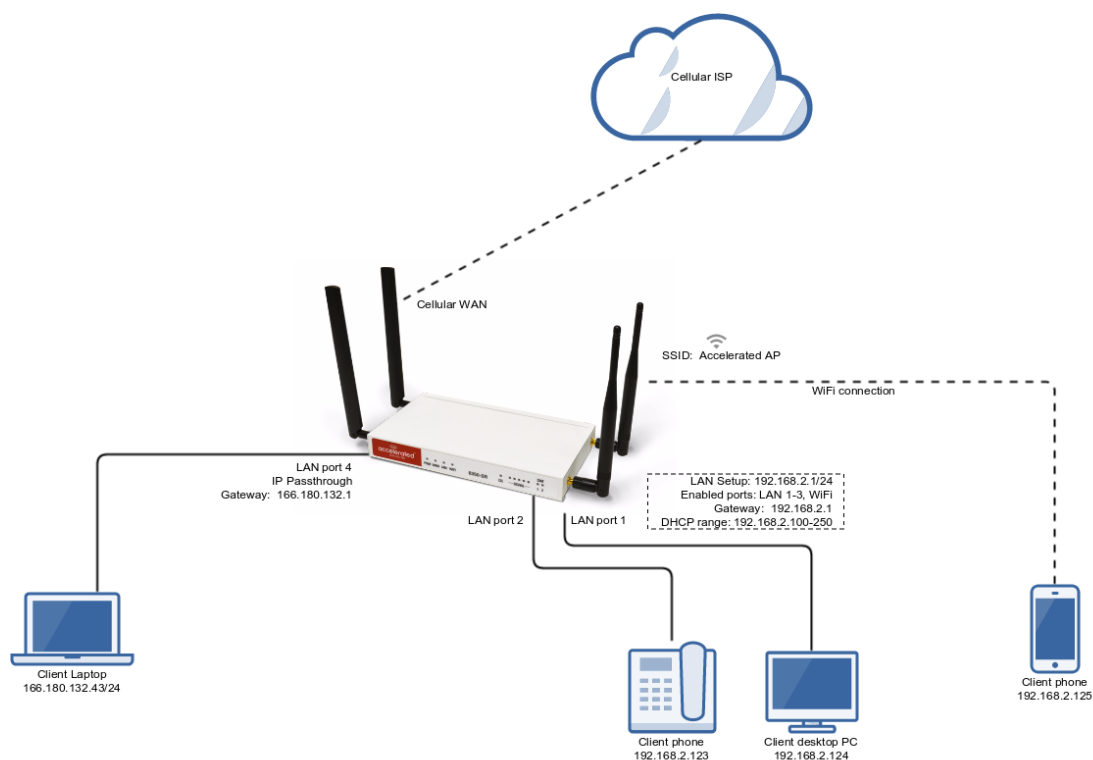
## Sample Configuration

Open the configuration profile for the 63xx-series router and make the following changes.

Under *Modem -> Passthrough,* check the *Enabled* box and select the desired LAN interface under the *Device* drop-down.  For this example, we are selecting *LAN4*.

Ensure the same LAN interface is selected under *Network -> Interfaces -> Default IP -> Device*.

1.  Under *Network -> Bridges -> LAN -> Devices,* remove the LAN interface you selected for passthrough mode in step 1 above.  Removing the LAN interface from this section of the config is done by selecting the down-arrow to the left of the LAN number, and select *Delete.*  In this sample config, we are removing *Ethernet: LAN4* from the LAN bridge.
2.  Save and apply the new configuration settings to the device.