



# WiFi as WAN

6330-MX and 6350-SR

# WiFi as WAN

Difficulty level: *Intermediate*

## Goal

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To use a separate wireless router's SSID network as a WAN internet connection on the 63xx-series router.

## Setup

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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 Manual.

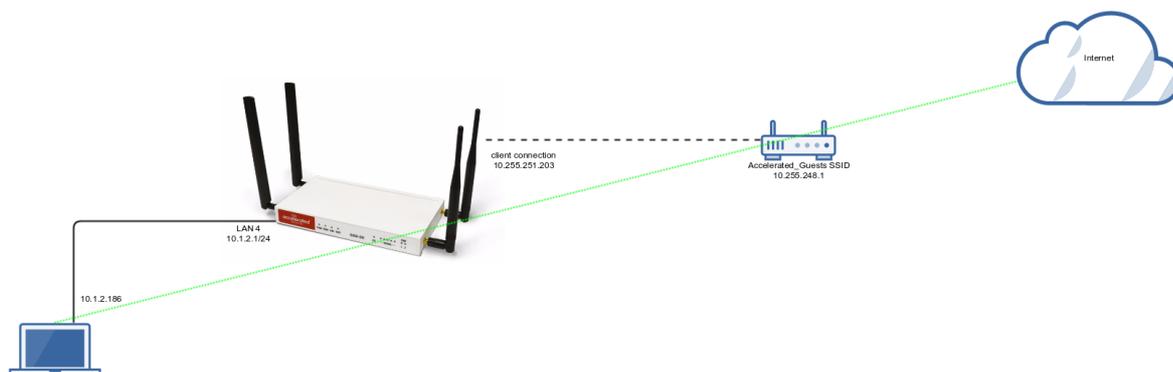
You will need to establish the following details before configuring the 63xx-series router.

- The SSID you want the 63xx-series router to connect to, including the wireless channel the SSID is broadcasted on.
- The authentication credentials for the SSID.
  - Supported encryption types for WiFi as WAN are open (unencrypted), WPA, and WPA2 PSK
- The priority of the *WiFi as WAN* interface (i.e. should it take precedence over the WAN Ethernet port).

## Sample

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The following diagram shows a sample setup of a 63xx-series router establishing a client connection to a separate wireless router's SSID (Accelerated Guests), and then using that interface for a *WiFi as WAN* connection. A laptop is shown connected to one of the LAN Ethernet ports of the 63xx-series router as an example end-user device utilizing the *WiFi as WAN* connection.



## Sample Configuration

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

1. Under **Network** -> **WiFi** -> **Channel**, select the channel used by the secondary wireless router's SSID. Note that if you only are establishing one **WiFi as WAN** connection, and disable any AP-mode SSIDs under the Accelerated device's **Network** -> **WiFi** -> **Access points** config options, you do not need to specify a specific wireless channel, and can instead leave this **Channel** option set to **Automatic**.
2. Under **Network** -> **WiFi** -> **Client mode connections**, create a new entry named **testclient**. The name can be different if desired.
3. Under the new client mode connection entry, enter in the SSID and authentication credentials for the SSID of the secondary wireless router.

Next, under **Network** -> **Interfaces**, create a new entry named **WiFiasWAN**.

1. Set the **Zone** for the new interface to **External**.
2. Set the **Device** for the new interface to **WLAN Client: testclient**
3. Under **IPv4**, set the **Interface type** to **DHCP address**.
  1. **NOTE:** This will trigger the 63xx-series router to obtain a DHCP connection to the secondary wireless router's SSID network.
4. **Optional:** Set the **Metric** to **0** to make this the primary WAN interface. Doing so will make both the WAN Ethernet and cellular modem (if used) backup WAN connections.
5. Click **Save**.

Network	
Interfaces	
Loopback	
Default IP	
Default Link-local IP	
Accelerated View endpoint	
Modem	
LAN	
WAN	
WifiasWAN	
Enable	<input checked="" type="checkbox"/>
Interface type	Ethernet
Zone	External
Device	WLAN Client: testclient
IPv4	
Enable	<input checked="" type="checkbox"/>
Interface type	DHCP address
Metric	5
Weight	10
Management Priority	0
Connectivity monitoring	
IPv6	
MAC address whitelist	