



Framed Routing in Passthrough Mode 6300-CX

Framed Routing in Passthrough Mode

Skill level: *Beginner*

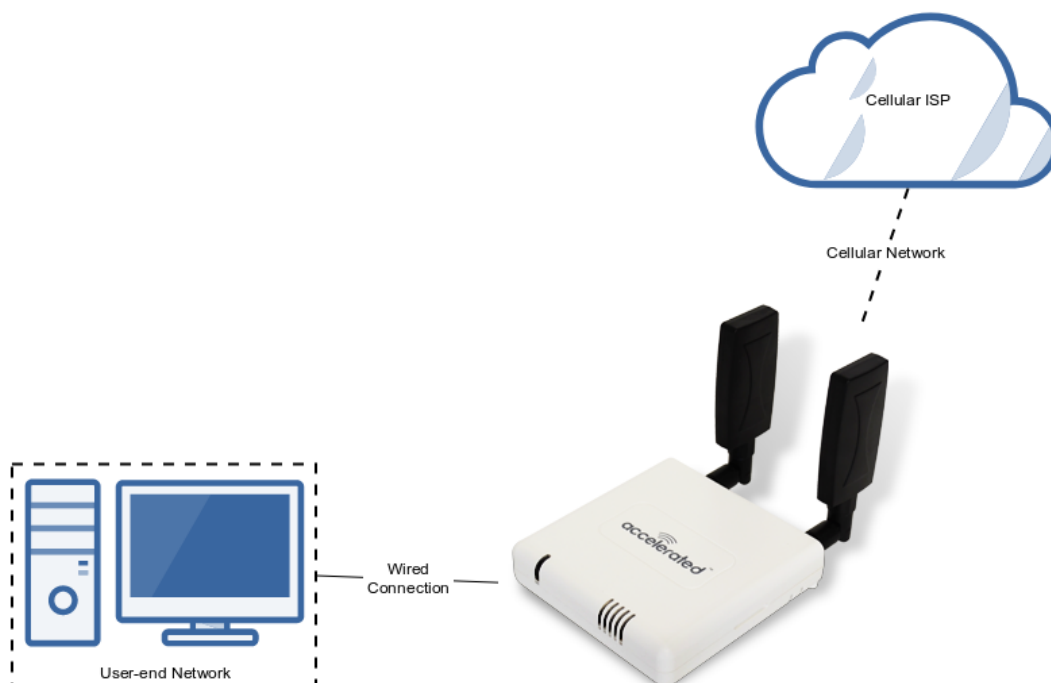
Goal

To configure the User Equipment (UE) so that it supports framed routing in passthrough mode.

Setup

This setup example assumes that you are running firmware version 18.1.29.10, although versions other than this may have similar set up procedure. The configuration is also assumed to be factory default with central management disabled.

The hardware set up requires a computer to be physically connected to the blue LAN port of the UE, and an active SIM with the appropriate plans and permissions to establish framed routing. This example uses the cellular information of a hypothetical "MyISP" network.



Sample Configuration

Once the UE is physically connected to a computer and central management is disabled, navigate to the WebUI via 192.168.210.1 and go to *Configuration* page > *Modem*.

1. Enter the APN used for the framed routing service: *myisp.corp*.

2. Check *APN Lock* to always lock onto the APN entered previously.
3. Insert your account *username* and *password* into their respective fields.
4. In the *Passthrough* section, ensure it is *Enabled*.
5. Check *Allow all addresses* to enable forwarding between the cellular network and any network/addresses via this UE.
6. In the *Custom gateway* section, check *Enable* and insert Gateway/Netmask: *0.0.0.0/32*.
7. Click *Save* at the bottom of the web page to save and enable the configurations.

The screenshot displays the 'System Configuration' web page, specifically the 'Modem' and 'Passthrough' sections. The 'Modem' section includes settings for 'Enable', 'Interface type', 'Zone', 'APN', 'APN lock', 'Carrier switching', 'PIN', 'Access technology', 'Authentication method', 'Username', 'Password', 'Antennas', 'IP version', 'MTU', 'Use DNS', 'Metric', 'Weight', and 'Management priority'. The 'Passthrough' section includes 'Enable', 'Device', 'Zone', 'Packet filtering', 'Allow all addresses', 'Auxiliary addressing', 'Auxiliary address/netmask', 'Auxiliary gateway', and 'Auxiliary DNS redirect'. The 'Custom gateway' section includes 'Enable' and 'Gateway/Netmask'. Red boxes highlight the 'APN', 'APN lock', 'Username', 'Password', 'Enable', 'Allow all addresses', and 'Custom gateway' sections.

Section	Field	Value
Modem	Enable	<input checked="" type="checkbox"/>
	Interface type	Modem
	Zone	External
	APN	myisp.corp
	APN lock	<input checked="" type="checkbox"/>
	Carrier switching	<input checked="" type="checkbox"/>
	PIN	
	Access technology	All technologies
	Authentication method	Automatic
	Username	username
	Password	password
	Antennas	Main and auxiliary
	IP version	Automatic
	MTU	1500
Passthrough	Enable	<input checked="" type="checkbox"/>
	Device	LAN
	Zone	Internal
	Packet filtering	
	Allow all addresses	<input checked="" type="checkbox"/>
	Auxiliary addressing	<input checked="" type="checkbox"/>
	Auxiliary address/netmask	10.0.0.2/24
Custom gateway	Enable	<input checked="" type="checkbox"/>
	Gateway/Netmask	0.0.0.0/32