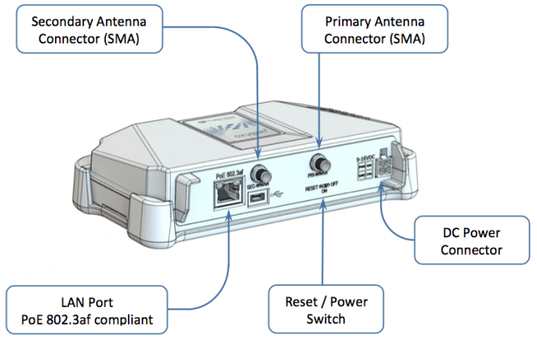
60-Second Quickstart:

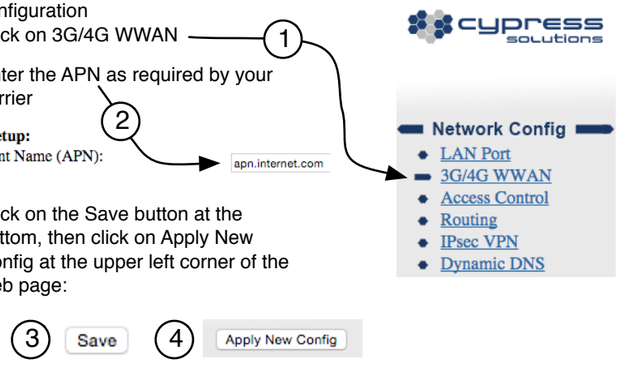


1. Initial Setup
   - Connect the supplied AC power supply to the power port of the Oxygen-3
   - Connect the supplied RF antennas to both antenna ports
   - Insert the SIM card into the card holder, located on the bottom of the Oxygen-3
   - Connect the Oxygen-3 to your computer, using an ethernet cable
   - Push the On/Off switch into the "On" position

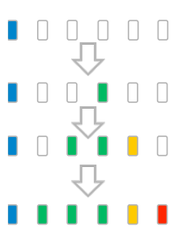
2. Accessing the Web Console
   - Ensure your computer's Ethernet port is set to obtain an IP address using DHCP
   - Point your browser to **http://169.254.0.1** to access the Oxygen's web-based configuration interface

User Name: admin	Password: cypress

3. Initial Configuration
   - Click on 3G/4G WWAN
   - Enter the APN as required by your carrier
   - Click on the Save button at the bottom, then click on Apply New Config at the upper left corner of the web page:



Restoring Factory, Default and Failsafe Config:



For the first 5 seconds after moving the switch to the 'Reset Position' all LEDs except the blue power LED will be off. If the switch is released now, nothing will happen and the Oxygen Gateway will resume normal operation.

For the next 5 seconds, the LED pattern to the left will be visible. If the switch is released now, the Oxygen Gateway will reset **without any config changes**.

For the next 5 seconds, the LED pattern to the left will be visible. If the switch is released now, the Oxygen Gateway will reboot and revert to **failsafe configuration**.

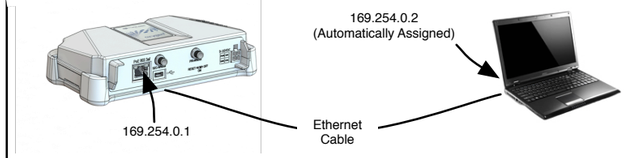
For the next 5 seconds, the LED pattern to the left will be visible. If the switch is released now, the Oxygen Gateway will reboot and revert to **factory default configuration**.

The Basics:

Connecting the Oxygen-3 Gateway to a computer

To access the Oxygen-3's web console, the unit must be connected to a computer via Ethernet cable.

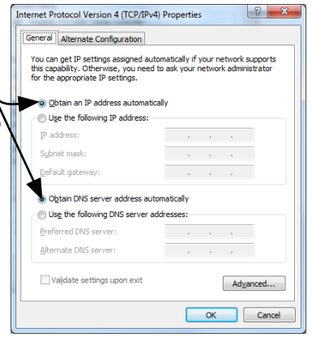
By default the Oxygen-3 gateway will act as a DHCP server, and will automatically assign an IP address to the connected device:



Make sure your computer's Ethernet port is set to obtain an IP address automatically.

Start a web browser and enter **169.254.0.1** in it's location bar. You should now see the Oxygen-3's web console.

If you cannot access the Oxygen's web console, and you suspect that the unit may be configured for a different IP address, consult the **Restoring Factory Configuration** section of this guide.

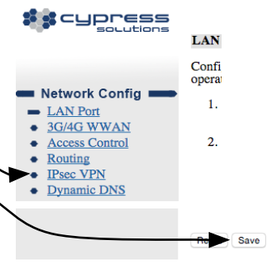


Using the Web Console

When prompted for a username and password, enter username 'admin' and password 'cypress'

Configuring the Oxygen-3 via web console is a two part process:

1. Select configuration options from the menu on the left side of the screen.
   - Make configuration changes as desired, then click the **Save** button.
   - Repeat this with other configuration pages until you have made all necessary changes

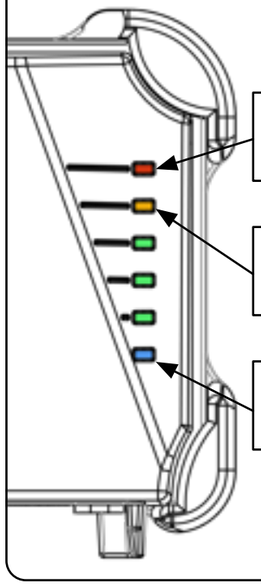


The configuration is now saved, but not activated

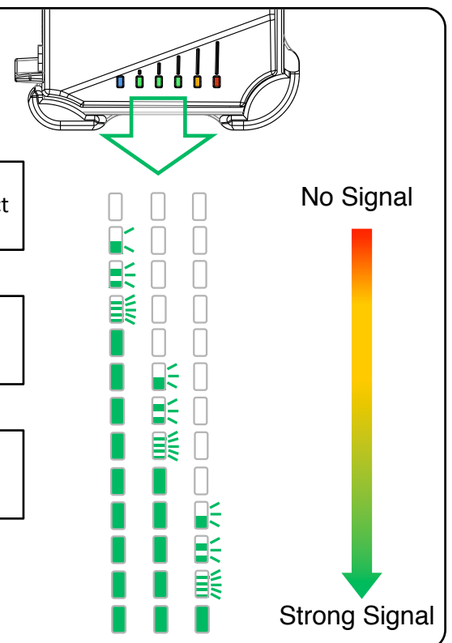
2. To activate your new configuration, click on the **Apply New Config** button.

Depending on which configuration options have changed, the Oxygen-3 wireless gateway will now restart all affected services with the updated configuration

Online, Technology and Signal LED's:



Online Status	On:	Online
	Rapid Flashing:	Attempting to Connect
	Flashing:	Disconnected
Network Type	On:	4G (LTE)
	Flashing:	3G (WCDMA)
	Off:	2G
Power	On:	Unit is turned on
	Off:	Unit is powered off

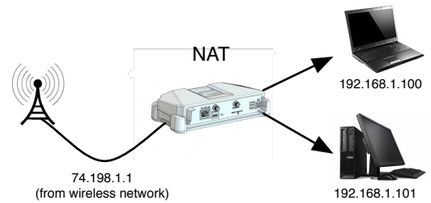


Configuring the LAN interface:

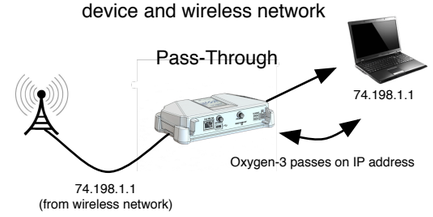
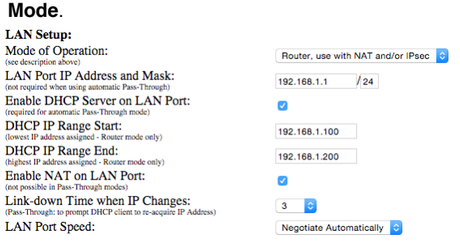
Selecting NAT or Passthrough

The LAN Interface (Ethernet port) can operate in "NAT mode" or "Passthrough mode" - both offer distinct advantages:

NAT (Network Address Translation) mode:
- The wireless network assigns an IP address to the Oxygen-3
- The Oxygen-3 will assign IP addresses from a different (configurable) network to connected devices
- The Oxygen-3 will translate between the IP address received and the local IP addresses assigned to connected devices



Passthrough Mode:
- The wireless network assigns an IP address to the Oxygen-3 and then the Oxygen-3 will re-assign that IP address to the connected device.
- The Oxygen-3 gateway will use a different IP address on its own Ethernet port
- The Oxygen-3 will pass traffic transparently between the connected device and wireless network



In the Oxygen-3's web console, click on **LAN Port** to access the LAN port configuration page. Select the desired mode of operation under **LAN Port Mode**.