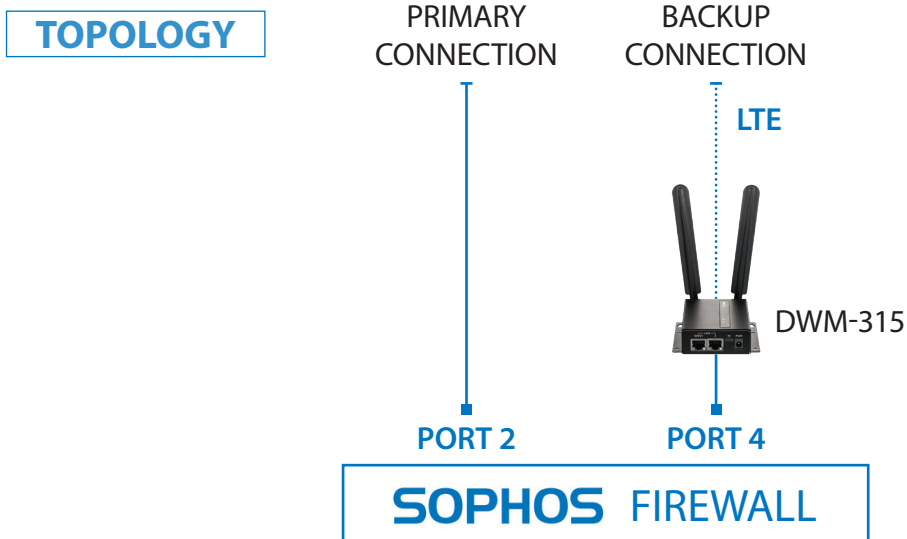


How to Setup the DWM-315 with Sophos Firewall for Connection Failover



STEP 1. To setup the DWM-315 4G LTE M2M Router in Bridge Mode, connect it to your computer and log into it via <http://192.168.0.1>.

After logging in, go to **WAN & Uplink > Connection Setup**. Under **WAN-1** click on the "Edit" button.

D-Link
DWM-315

English

Logout

Physical Interface

Connection Setup

Widget

Internet Connection List

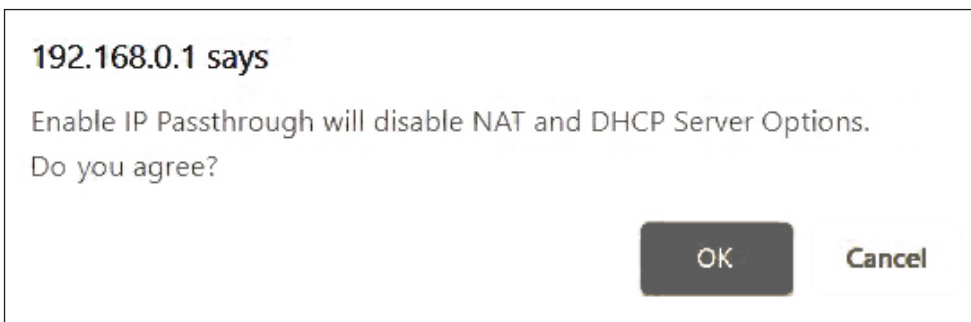
| Interface Name | Physical Interface | Operation Mode | WAN Type | Action |
|----------------|--------------------|----------------|----------|--------|
| WAN-1 | 3G/4G | Always on | 3G/4G | Edit |
| WAN-2 | - | Disable | - | Edit |

Scroll down to the 3G/4G Connection Common Configuration.

Under IP Passthrough (Cellular Bridge) tick the "Enable" option.

| 3G/4G Connection Common Configuration | |
|---------------------------------------|--|
| Item | Setting |
| ▶ Connection Control | Auto-reconnect ▾ |
| ▶ Time Schedule | (0) Always ▾ |
| ▶ MTU Setup | <input type="checkbox"/> Enable |
| ▶ IP Passthrough (Cellular Bridge) | <input checked="" type="checkbox"/> Enable Fixed MAC: <input type="text"/> |
| ▶ NAT | <input type="checkbox"/> Enable |
| ▶ IGMP | Disable ▾ |
| ▶ WAN IP Alias | <input type="checkbox"/> Enable 10.0.0.1 |

Click on "Save" and confirm that switching to Bridge Mode will disable NAT and DHCP.



The Setup is complete for DWM-315 in Bridge Mode.

See below to setup Sophos Firewall for failover.

STEP 2. Setting up Sophos Firewall for failover from Primary Connection to Backup Connection.

a. Configure Port 2 with your Primary Internet Connection settings.

Configure Port 4 (your Backup LTE Connection) as DHCP.

| | | |
|---|---|--|
| GuestAP WIFI Wireless Protection | Unplugged Auto-negotiated | 10.255.0.1/255.255.255.0 Static |
| Port2 WAN Physical | Connected 1000 Mbps - Full Duplex Auto-negotiated | 192.168.20.187/255.255.255.0 DHCP |
| Port4 WAN Physical | Connected 100 Mbps - Full Duplex Auto-negotiated | 10.102.130.123/255.255.255.248 DHCP |
| br0 N/A Bridge-Pair | Connected N/A | 172.16.16.16/255.255.255.0 Static |

STEP 2. b. Under 'Network' select 'WAN Link Manager'. Modify settings of your Backup Connection:

Gateways

Interfaces ZONES **WAN Link Manager** DNS DHCP IPv6 Router Advertisement Cellular WAN ...

Gateway Detail

Name * Backup Connection

IP Address * 10.102.130.124

Interface * Port4-10.102.130.123/255.255.255.248

Type * Active Backup

Weight * 3 (1 - 100)

Default NAT Policy * MASQ

Backup Gateway Details

Activate This Gateway * If Manually

Action on Activation * Inherit weight of the failed active gateway Use configured weight

Save Cancel

c. After the connections are established, verify if both Primary and Backup Connections are active.

Network

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Interfaces ZONES **WAN Link Manager** DNS DHCP IPv6 Router Advertisement Cellular WAN ...

IPv4 Gateway

| Name | IP Address | Interface | Type | Activate on Failure of | Weight | NAT Policy | Status | Manage |
|------------------------------------|----------------|--|--------|----------------------------|--------|------------|--------------------------------------|--------|
| Backup Connection | 10.102.130.124 | Port4 - 10.102.130.123/255.255.255.248 | Backup | Primary Connection gateway | NA | MASQ | ● | |
| Primary Connection | 192.168.20.254 | Port2 - 192.168.20.187/255.255.255.0 | Active | N/A | 1 | MASQ | ● | |

On how to setup additional failover rules in Sophos Firewall, please visit <https://community.sophos.com/kb/en-us/123530>

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