

## HOW IT WORKS

Wireless Redundancy provides a highly available, robust data connection between a remote site or branch office and your network. The fully managed service is configured as a diverse connection to a wired (fibre/copper) primary connection.

The service utilises routers that connect to the national 3G or 4G mobile network with managed resilient paths between the data handovers and your network.

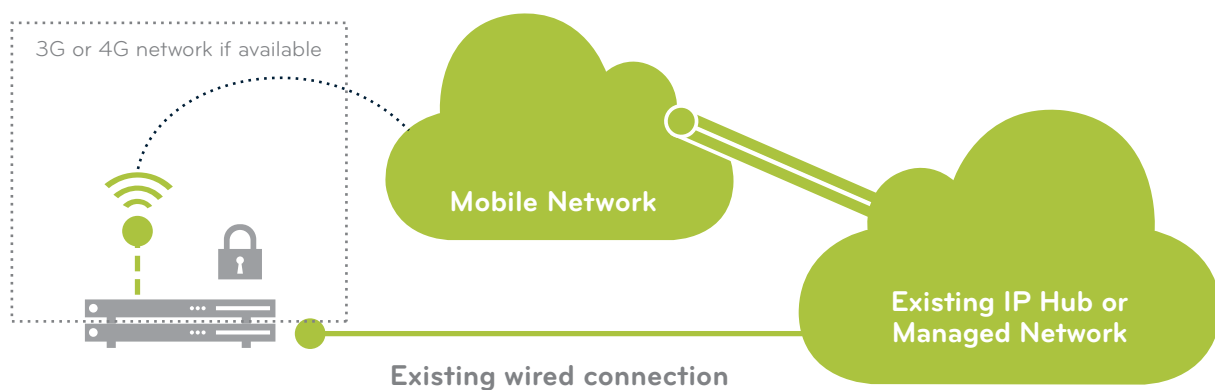
Service connectivity is monitored from our Network Service Centre which has processes in place to ensure notification and management of any issues.

## TECHNOLOGY OVERVIEW

Wireless Redundancy provides a secure secondary WAN connection through 3G/4G network connection to an existing wired service. This connection will be utilised in the event that the primary connection is unavailable.

We will provide a wireless router suitable for either 3G or 4G mobile data speeds, the speed that is achieved will depend on the coverage area and signal strength. Site surveys can be undertaken, at additional cost, to find the most suitable device and likely data speeds.

This service is for WAN site redundancy purposes only. We reserve the right to charge additional costs for any mobile data used outside of a wired outage period.



## CONFIGURATION & INSTALLATION OPTIONS

Configuration of a Wireless Backup service must be completed by us.

We recommend a Site Survey for all Wireless Redundancy sites. The site survey is necessary to ensure the service will function correctly in case of an outage. This will determine if a standard installation can take place and if additional equipment maybe required.

If you are purchasing Wireless Backup for an IP Hub service we can either complete this survey or alternatively you can provide the results of your own survey to us.

As part of a standard Managed Network installation we will complete a site survey.

Once a site survey has been completed installation options can be discussed. Installation can be completed either by us or a channel partner.

## SECURITY

Secure IP encryption is setup between the Ethernet port on the router and your IP Hub or Managed Network.

Vector Communications private APN and traffic encryption ensures that raw traffic isn't sent over a public network.

## SERVICE SPECIFICATIONS

Service Attributes	
Data Plan	Data usage during an outage of the primary service included in the monthly cost.
Router Options	A 4G Wireless router (Cisco 887) will be installed unless a 3G router is specifically requested.
Additional Options	On request for an additional charge we can provide: <ul style="list-style-type: none"><li>• Battery Backup</li><li>• Dual RF aerial connection to improve the range and reliability of RF signals</li></ul>
Site Requirements	Minimum requirements are 3G signal strength or better than -78dB in good weather or -76dB in heavy rain.  A good data rate of >256kbs.

Call Vector Communications, from within NZ on **0800 826 436**, or internationally on **+64 9 309 9367**,  
or email us [contactus@vector.co.nz](mailto:contactus@vector.co.nz) today.