

Malvern District Council

Wireless Ethernet Bridge

Technology
Radio

Frequency
5.4 GHz

Bandwidth
25Mbps

Distance
200 Km

Reliability
99.99%



The OS Gemini Lite is the only License Free radio to have 'spatial diversity' capabilities, allowing for two distinct paths that are not simultaneously affected by adverse weather conditions, making it a very reliable communications link between sites.

The design of the OS Gemini Lite means that it can function in both Near Line of Site and Non Line of Site environments, making it a very cost effective alternative to the ongoing costs of leased line services. The OS Gemini Lite is a simple one off payment with no ongoing costs and achieves a reliability rate of 99.99% even in the most challenging of environments.

Imagine the cost of having to get a service provider in to relocate a leased line service and the time that you would have to wait.

When Malvern District Council relocated their communications room, from one building to another, they also needed to relocate their wireless Ethernet bridge, which was providing a link to a council depot 2.5 km away.

The bridge was an OS Gemini Lite 5.4 Ghz with an external antenna, capable of supporting a bandwidth of 25 Mbps, over short distances and still and around 1.5 Mbps up to a distance of 200 km.

In order, to minimize disruption to council staff, DCS arrived on site on a Saturday morning, removed the dish from it's existing location, travelled to it's proposed new location, reinstated the antenna, aligned it and ran a new network cable to link it back in to the council's network.

The link was back up and working within a few hours and was providing a bandwidth of 22 Mbps, ready for council operatives to log back on again on Monday morning with nobody any the wiser.