



Wireless Access is a fully managed microwave point-to-point connectivity service, offering extremely flexible bandwidth and resilience.

WHO NEEDS IT?

Organisations requiring flexible bandwidth or those who need a secondary back-up to their leased line. Due to its exceptional service quality, it is ideal as a primary circuit for organisations whose business depends on the highest levels of availability from their Internet connection.

HOW WILL IT HELP MY BUSINESS?

Robust and resilient service

Your business depends on having a reliable connection to respond to customers, access company resources and to ensure that employees can perform effectively.

Wireless Access provides an always on connection. If your leased line does fail, Wireless Access comes on stream instantaneously. Business continues as normal without any noticeable interruption.

You also have the ability to load-share as information is routed through primary and secondary circuits. This is ideal for organisations whose connectivity is mission-critical to their day to day operations.

Flexibility to meet changing demands

No business can look into the future and accurately predict what level of demand will be placed on its connectivity. The launch of a new website or an unexpected customer response to a site promotion could mean that you require extra bandwidth. Wireless Access enables you to cope with this, allowing an efficient and faster upgrade path than that offered by leased lines - often as little as 24 hours notice.

WHY VIALTUS SOLUTIONS FOR YOUR WIRELESS ACCESS?

Wireless Access is totally owned, monitored and managed by Vialtus - providing an effective way to bypass existing local terrestrial service operators and placing responsibility for the management of your service in the hands of a single provider.

It is delivered via a resilient, reliable and redundant network which works to deliver the highest levels of performance and reliability. This means that you can concentrate on your business, whilst we work behind the scenes to ensure that the infrastructure is in place to help you communicate.

A financially stable and experienced service provider underpins all of this. You gain ongoing advice and the scalability to upgrade your services in line with your changing requirements - in the knowledge that Pipex will be there to continually support you.

HOW IS IT INSTALLED?

Vialtus' fully trained and accredited field engineers install, test and configure each site's Wireless Access equipment and ensure end-to-end connection. Once the link between your premises and the Vialtus Solutions radio PoP (Point of Presence) is up and running, the bandwidth can be increased up to the capacity of the service as your business requirements grow.

A wireless (microwave) Internet connection can be used in towns or cross-country. As the main criteria for using Microwave radio is a direct line of sight, a full site survey will be carried out prior to installation to ensure a reliable link for connectivity as well as a customer agreed location for the indoor and outdoor unit.

If line of sight is not available, computer-based analysis can be performed to identify any landscape intrusion and determine the location of a mini-PoP that will reflect the microwave from the PoP to the customer site.

The PoP to the customer site link is connected using electromagnetic techniques, at frequencies of either 13, 15, 18, 23, 26 or 38 GHz. To ensure the transmission link is reliable, Vialtus Solutions have engineered the radio path to deliver a powerful service allowing a 30dB fade margin to negate the attenuation that can be introduced by poor weather.

Wireless Access includes an indoor unit (IDU), outdoor unit (ODU) and power supply for each end of the connection. The IDU is typically housed in a customer's Communications Room, with a Co-ax connection to an outdoor unit mounted on the exterior of the building, at a location mutually agreed with the customer and landlord if required.

WHAT ADDITIONAL SERVICES MIGHT I NEED?

- Leased line for business continuity - options from 64Kbps to 155Mbps and above.
- Range of industry leading managed and unmanaged firewalls and security solutions to protect against unauthorised access.
- Hosting services including e-commerce, co-location, managed and unmanaged dedicated servers.
- Range of access options, including ADSL, for you to equip your remote workers with the communications tools they need to work productively.