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Wireless Local Loop

Explained

Wireless Local Loop (WLL) is a new communications access method that uses radio waves for transmission of information between customers and service provider sites, rather than traditional fixed methods such as copper or fibre optic delivery. WLL will enable many customers who are not connected to our fibre network to receive a multitude of voice, data and Internet services.

For further information:

1800 924 924

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Services delivered over Wireless Local Loop

Esat Business can offer a range of services via Wireless Local Loop, up to a maximum of 6Mbit/s (multiple 2Mbit/s).

- IP Line - always-on Internet access.
- Managed Bandwidth - leased line to connect 2 sites.
- Frame Relay - for data networks between multiple sites.
- ISDN (PRI) - 30 digital channels which can be used for voice, Internet or voice conferencing.

Applications for WLL connectivity include LAN Interconnect, Business Continuity (Remote Date Back-up) and Video Conferencing.

Benefits of using Wireless Local Loop

- Multiple services can be delivered over WLL, ensuring higher savings through bundled solutions.
- WLL provides the basis for Intranets, Extranets and Wide Area Networks.
- For customers who are off-net* WLL provides faster provisioning and service upgrade time for communication services.
- For customers who are currently connected to the Esat fixed network, added resilience and/or overflow could be offered through a wireless connection.
- Wireless connections will also provide a more cost-effective connectivity option for customers who are some distance from the Esat Business fibre network.
- WLL is designed to provide bursty data services such as Frame Relay and IP.
- WLL provides "always-on" connectivity at a flat rate, without additional dial-up charges.
- Ideal for teleworking or Remote Access to Corporate LANs

* Outside 100m of the Esat Business fixed access network.

Wireless Local Loop infrastructure

Esat Business has begun to roll out a series of base stations throughout the Republic of Ireland. The wireless local loop infrastructure will complement the investment of £200m in our fibre optic network and will allow last-mile connectivity to remote areas where fibre optic deployment is difficult or extremely expensive to provide.

Wireless Local Loop - is it secure?

Security mechanisms incorporated in the technology deployed prevent eavesdropping and interference. Additional network security is then provided over the core data network to ensure maximum protection of customer data.

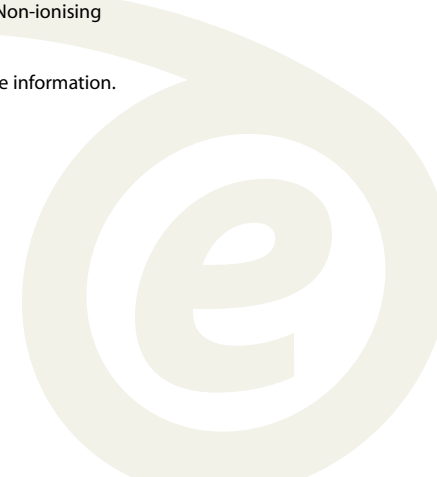
Wireless Local Loop installation procedure

Esat Business will install a small antenna on the customer's building, the size and shape of which will not require planning permission to be obtained. Direct line of sight is required between the customer antenna and the nearest Esat Business base station antenna.

Health and safety

Esat Business is compliant with ODTR standards of radiation emission limits as per the ODTR audit report "Compliance with Emission Limits for Non-ionising Radiation 2000."

Visit www.odtr.ie for more information.

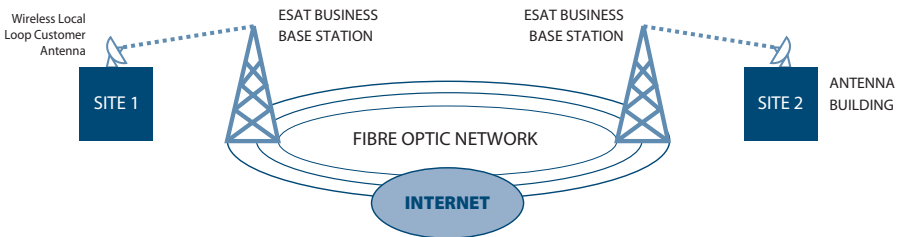


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Wireless Local Loop

Wireless Local Loop Connectivity



Esat Business

1 Grand Canal Quay,
Dublin 2, Ireland

T +353 1 432 5000

F +353 1 432 5800

E customer@esat.com

www.esatbusiness.com