



Overview

Sector

ISP & Next Generation Networks (NGN)

Customer

Carrier Wales

Solution

ZyXEL Metro Switches

What the client says

"Because of ZyXEL's knowledge and understanding of NGN, we were able to plan, test and deploy on budget and ahead of schedule. Their Metro Switches are both reliable and come at a price point which is cost effective. ZyXEL is a true next generation network partner..."

*David Brook,
Technical Director of
Internet Services, Carrier Wales*



Success Story

Carrier Wales Delivers Uncontended Fibre to the Business with ZyXEL UK

Summary

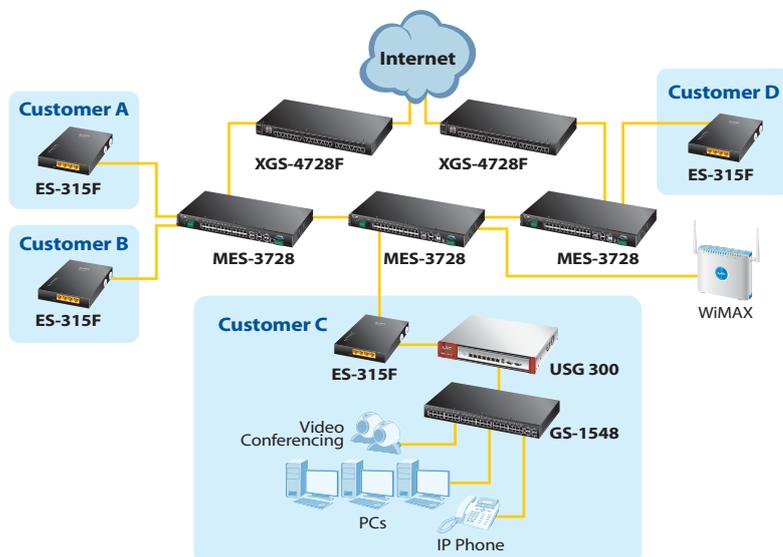
By deploying ZyXEL Metro switches, Carrier Wales is now able to offer customers fibre to the business 'uncontended' connectivity with services from 10 Mb to 1 Gb. Using ZyXEL switches, Carrier Wales is able to interconnect with FibreSpeed, NTL/TeleWest, BT Openreach and other Next Generation Network (NGN) providers.

Challenge

Critical to Carrier Wales was to partner with a vendor which could demonstrate a proven capability in comparable infrastructure roll-outs. Any hardware would need to be easily configurable and enable the segmentation of services from the core to the end-user and of course represent value for money.

Solution

Using Q-in-Q the ZyXEL switches can control the traffic priority for Carrier Wales Cloud Computing services such as hosted conferencing, VoIP and Disaster Recovery.



Business Benefits

Carrier Wales is now able to deliver uncontended connectivity speeds of between 10 Mb to 1 Gb which enables its customers to run multiple applications simultaneously. Crucially applications including VoIP, HD Video conferencing and Cloud storage can take place without any negative impact to each other's performance. In addition, Carrier Wales is able to extend its offering to include managed LAN services using ZyXEL's SMB Networking solutions making it a true end-to-end provider.

Result

Video traffics are sensitive to packet delay, drop and jitter in IP surveillance environments where videos and data traverse the same network infrastructure. To ensure the optimization of video streaming, the QoS features are an integral part of IP surveillance networking solutions. ZyXEL Switch Products, with QoS features, ensure high-quality, streaming performance at a steady level by transmitting data according to its priority and by the requests of the applications. The following are QoS features that guarantee exceptional video quality.

The Future

Carrier Wales intends to extend its WiMAX coverage to include Mold, St Asaph, The Wreham Industrial Estate and Liverpool town centre.

About Carrier Wales

Carrier Wales is a division of Integrated Digital Services (IDS), established to provide business communication connectivity services to businesses throughout Wales. IDS already has an enviable reputation as a reliable, value-for-money service provider for established networks and services. Carrier Wales partners with FibreSpeed to bring this service to the business.

About ZyXEL Communications

ZyXEL Communications Corp., founded in 1989 and headquartered in Taiwan, is the leading provider of complete broadband access solutions. As one of the early modem manufacturers, ZyXEL has undergone many transformations in the fast-paced networking industry. Today, ZyXEL is one of the few companies in the world capable of offering complete networking solutions of Telco, SME/Enterprise, and Digital Home for a wide range of deployment scenarios. Telco solutions include wired and wireless access network equipments, networking customer premises equipments, and Carrier Switches. SME and Enterprise solutions include Unified Security Gateway, LAN Switches, WLAN, and IP telephony. Digital Home solutions include network connectivity devices and multimedia solutions.

The company has 3200 employees and distributors in 70 countries, reaching more than 150 regional markets. The ZyXEL Communications Corp. includes 33 subsidiaries and sales offices and two research and development centers worldwide. For more information, visit the company's Website, <http://www.zyxel.com>.

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Products Used



XGS-4728F

L3 Managed 10G Stackable Metro Switch

- 24 Dual-personality Gigabit interfaces (24 x 1000Base-T + 24 x SFP ports)
- 2 x Cx4 stacking ports
- Optional 10G module
- L3 Advanced Routing protocols, OSPF, VRRP and DVMRP



MES-3728

24 port 10/100 L2 Metro Switch

- 24 Port 10/100Base-TX
- 2 Gigabit SFP ports
- 2 Dual-personality Gigabit uplinks
- Multilayer-aware (L2/L3/L4)



ES-315F

4 port 10/100 L2 Managed Switch

- 4 port 10/100
- 1 x 100BaseX SFP slot