ZyXEL

Success Story

Italian IT Company Links Pharmacy's with Flexible ZyXEL Solution

"I have known the ZyXEL brand for over 20 years. Its products have always managed to keep up with the times, and with my changing needs and the needs of my clients. By combining products, firewalls, switches and access points, we are always able to satisfy any request and type of configuration."

Luca Papaleo
IT Manager of Treelog Ltd.

Overview

Customer Name
Treelog Ltd.

Customer Industry
Marketing/IT

Challenges
• Create a network connecting pharmacies and retail locations
• Solution would be used both for employee network access and security
• Network must be flexible to adapt to the different needs of each location
• Provide managed VPN connections via security apparatus
• Provided wired connectivity throughout company and wireless connectivity where needed

Solution
• 802.11 b/g/n Long Range PoE Access Point
• Gigabit Smart Managed PoE Switch
• Next Generation Unified Security Gateway-Performance Series

Benefits
• Each AP is able to accept up to 30 simultaneous connections
• Switches handle VLAN management
• Firewall handles analysis of Internet traffic according to different user profiles, thus securing the entire network
• Solution can be adapted to multiple deployment scenarios
• Simple setup and management

Background

Treelog Ltd. is a consultancy and marketing firm for advanced information systems. It is involved in the pharmaceutical market and intermediate distribution through important partnerships with other companies, producing software solutions and electronic communication services, facilitating their dissemination in the Lombardy, Liguria, and Piedmont regions.

Challenges

The company needed to set up a solution for networking and security that was able to support the management software installed at many of its pharmacies and health and beauty stores. The solution had to be replicable, and thus it needed to be composed of a number of well-defined products.

However, it also had to be very flexible and able to adapt to the differing needs of various pharmacies due to widely differing size and structure. Common requests included: managing VPN connections through a security apparatus, creating a wired network within the company, and providing wireless coverage where required.

Solutions and Benefits

ZyXEL and Treelog collaborated to identify a small number of products that were sufficiently flexible and easy to configure. The security of the network and VPN connections is handled by firewalls from the USG performance series. The wired networks are overseen by a GS1900 series Gigabit smart managed switch, while wireless connectivity, when required, is provided using access points from the NWA1100 professional series. These three products fulfill most of the requirements, regardless of the size and structure of the pharmacy.

Access points can be installed either on a wall or desktop, and are able to accept up to 30 simultaneous connections each. The wired connection is delegated to a smart managed switch with 8 or 24 ports from the GS1900 PoE series.

It is also responsible for managing VLANs. A USG40/60 firewall is responsible for maintaining VPN connections and providing UTM services, depending on the users of the network, as well as carrying out analysis of Internet traffic according to different user profiles, thus securing the entire network.

The possibilities offered by this simple ZyXEL infrastructure create a solution that is replicable in many diverse situations. It is very simple to set up and manage, making it ideal for the small companies in which it is installed. The fact that this solution has already been replicated 260 times demonstrates its success among users.

Products Used

NWA1100-NH
802.11 b/g/n Long Range PoE Access Point

- High output power of up to 28 dBm delivers extended coverage
- 2 external antennas with high 5 dBi gain optimized for mobile devices
- Fast 802.11n Wi-Fi with speed up to 300 Mbps improves transmission of large files or videos
- Easy deployment via client mode or repeater AP and IEEE 802.3af PoE support
- ZON Utility and ZAC minimize repetitive configuration processes and efforts
- Certified WPA2 Enterprise, access control management and user traffic control for strict network protection

ZyXEL

GS1900 Series
Gigabit Smart Managed Switch

- 8/24 Gigabit PoE ports
- Easy browser-based switch management
- Quick and easy set up wizard
- Advanced network error prevention features (loop protection, dual images, storm control, DoS and SSL)
- High-power PoE support IEEE 802.3at

USG40/60
Next Generation Unified Security Gateway-Performance Series

- All-in-one Next Generation Firewall (NGFW) for small businesses
- Anti-malware protection with firewall, anti-virus, anti-spam, content filtering, IDP, and next-generation application intelligence
- Robust SSL, IPSec and L2TP over IPSec VPN connectivity
- Built-in WLAN controller for centralized management of up to 18 APs

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 gone through transformations in the fast-paced networking industry. Delivering cutting-edge communications innovations to more than 400,000 businesses and more than 100 million consumers throughout the world, today ZyXEL is one of the few companies in the world capable of offering complete networking solutions for Telcos, small to medium-sized businesses, and digital home users for a wide range of deployment scenarios. Telco solutions include Central Office Equipment, Customer Premise Equipment, Wired and Wireless Access Network Devices, and Carrier Switches. SMB and Enterprise solutions include Unified Security Gateways, LAN Switches, WLAN, and IP Telephony. Digital Home solutions include Network Connectivity Devices and Multimedia Solutions.

The company has 1000 employees and distributors in 70 countries, reaching more than 150 regional markets. The ZyXEL Communications Corp. includes 35 subsidiaries and sales offices and two research and development centers worldwide. For more information, visit the company's Website, http://www.zyxel.com.