



Success Story

Italy's Sogedim Chooses ZyXEL to Expand Wireless Coverage for Its Logistics Operations

Overview

Customer Name

Sogedim

Customer Industry

Logistics

Challenges

- Consolidate and extend existing network infrastructure
- Improve reliability and performance of existing network
- Provide wired office network
- Create wireless network for warehouses and remote sites
- Provide connectivity for both customers and employees

Solution

- Wireless LAN Controller
- Business Access Points
- Next Generation Unified Security Gateway-Advanced Series

Benefits

- Maximized productivity
- Easy setup and configuration
- Streamlined management of separate monitoring and access policies for employees and customers
- Future-proof for easy expansion and upgrade

Background

Founded in 1984, Sogedim is a national and international logistics transport company operating throughout Europe. The structure of its warehouses and offices in Italy's Inveruno municipality, located in the province of Milan, covers an area of 35,000 square meters.

Facilities at the site include 35 loading platforms; areas for transit, sorting, and storage; and a customs warehouse. The company's goal is to ensure that all customer shipments go to the right place at the right time, arrive in perfect condition and at a competitive cost.

Challenges

Sogedim needed to consolidate its existing networking infrastructure, extending it while widening coverage and improving reliability and performance.

It was necessary to implement a wired network for the offices and a wireless solution for the warehouses located on two different sites, thereby offering connectivity to both employees and customers.



Solutions and Benefits

ZyXEL utilized the valuable collaboration of its Milan-based partner ROASI Boffalora, a company specializing in the design and installation of complex professional networks. Specifically, an infrastructure was built with a Layer-3 switch at the star center and Layer-2 edge switches to manage the several virtual VLAN business networks and the one reserved for customers.

This structure supports 20 access points (APs) of the ZyXEL NWA3160-N 802.11 a/b/g/n Business Access Point and NWA5000 Series access points depending on specific needs, which are capable of covering large areas, even in the presence of shelving and other sources of interference thanks to the external antennas and high-power radios.

The APs are centrally managed by a NXC2500 Series wireless LAN controller, which handles the daily maintenance and optimization of the Wi-Fi network. To ensure the safety of the internal network, a firewall from ZyXEL's Next Generation Unified Security Gateway-Advanced Series range was used, providing maximum protection from intrusion and attacks, and prevention of data loss.

As a result of the network overhaul, time spent by users reconfiguring equipment was reduced significantly and future expansion in the face of new demands was simplified. The separate networks allow the adoption of different monitoring and access policies for staff and customers. For example, access to certain applications on the internal network can be limited to maximize productivity. It is also possible to implement a network in the branch office to provide service for both customers of the warehouse and allow for the possibility of operating offices for foreign customers.

Products Used



NXC2500 Wireless LAN Controller

- Centralized management for up to 64* APs
- ZyMesh mitigates complex, inconvenient cabling for Wi-Fi deployments.
- Client steering enhances efficiency of wireless spectrum utilization.
- Auto healing maximizes Wi-Fi service availability.
- Seamless integration with external AD, LDAP, RADIUS authentication
- Best investment protection with built-in RADIUS server

*Management of 64 APs is supported with firmware version V4.10 or above



NWA3160-N 802.11 a/b/g/n Business Access Point

- Higher bandwidth and superior performance with 802.11n 3-in-1 hybrid AP WLAN including AP controller mode, managed AP mode and standalone AP mode
- Brand new centralized graphic management interface for up to 24 WLAN APs
- Backup redundancy supported to provide reliable connection services
- Secured tunnels for communication between controller and managed AP to prevent leaking of configurations
- Enterprise-class AP functionalities with comprehensive configuration interfaces.
- Built with Low Smoke, Zero Halogen (LSOH) materials for plenum rating for UL 2043 support



USG210 Next Generation Unified Security Gateway-Advanced Series

- High-performance, high-value Next Generation Firewall (NGFW) for small and medium-sized businesses
- Anti-malware protection with firewall, anti-virus, anti-spam, content filtering, IDP, next-generation application intelligence and SSL inspection
- Robust SSL, IPSec and L2TP over IPSec VPN connectivity and VPN high availability (HA)
- Built-in WLAN controller for centralized AP management and effortless WLAN scalability of up to 18 APs
- Comprehensive mobile broadband USB modem compatibility and multi-WAN load-balancing, failover and fall back support

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>.

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