Success Story

Zyxel Wireless Solution Revitalizes Italian Manufacturer's Production Facility

INDUSTRY — Manufacturing

CUSTOMER — Ondulati ed Imballaggi del Friuli

COUNTRY — Italy

SOLUTION — Zyxel Wireless Solution

Overview

Challenges

- Needed reliable and secure system to link manufacturing plants
- Required broader coverage for additional warehouse space
- Preferred versatile wireless connectivity to accommodate different environments, departments, and users
- Desired single, centralized interface for quick and simple management

Solution

- Zyxel Wireless Solution

Results

- Delivered high-speed, optimized connectivity to every part of the sprawling business facility
- Set up separate networks for staff and guest users, ensuring sensitive business data remains secure
- Constructed robust network core with fiber cabling to achieve enterprise-level performance and resiliency
- Enabled the company to fully automate much of the production area

Summary

Ondulati ed Imballaggi del Friuli is an Italian manufacturing company that specializes in the production of corrugated cardboard packaging. Their many years of experience have allowed them to expand their reach to numerous foreign markets. Recently, they were looking for a way to overhaul their business network, which was quickly becoming obsolete. It was also important for them to have the ability to further develop their automation technology, which would give them an edge on the competition by increasing efficiency. Discover how a Zyxel wireless solution made this successful business even stronger.

ZYXEL

Products Used

NXC2500 • Wireless LAN Controller

- Auto provisioning and centralized management of up to 64 APs*
- Zyxel Wireless Optimizer for easy planning, deployment, and maintenance
- Advanced ZyMesh technology for streamlined AP deployment and WLAN extension
- Enhanced RF management with auto healing
- Flexible traffic forwarding with tunnel and distributed modes
- Comprehensive guest network management and granular access control

* Management of 64 APs is supported with firmware version 4.10 or later

WAC6502D-E • 802.11ac Dual-Radio External Antenna 2x2 Access Point

- NebulaFlex Pro allows users to switch among standalone, on-premises controller managed or intuitive Nebula cloud managed modes as needed
- Advanced IEEE 802.11ac delivers up to 1.2 Gbps combined data rates
- Industry-leading receive sensitivity as low as -100 dBm
- APFlex™, DCS, and tool-less bracket design streamline deployment
- Zyxel One Network is supported

NWA5123-AC • 802.11ac Dual-Radio Unified Access Point

- Ceiling- and wall-mountable design with optimized RF performance
- 2-in-1 standalone/managed AP design
- CAPWAP management supported
- Enterprise-class 2x2 802.11ac AP supports combined data rates of up to 1,200 Mbps
- Simple, speedy deployment with APFlex™ and Zyxel One Network utilities

ZYXEL

WAC6553D-E • 802.11ac Dual-Radio External Antenna 3x3 Outdoor Access Point

- NebulaFlex Pro allows users to switch among standalone, on-premises controller managed or intuitive Nebula cloud managed modes as needed
- Dual-band 2.4-GHz and 5-GHz 802.11ac Wireless Access Point
- Designed with IP66-rated weather protection which is ideal for harsh outdoor environments
- Advanced IEEE 802.11ac delivers up to 1.75 Gbps combined data rates
- Industry-leading receive sensitivity as low as -102 dBm
- APFlex™ and DCS for streamlined deployment

GS2210-24HP • 24-port Gigabit L2 PoE Switch

- High power budget of 375 W
- L2 multicast, IGMP snooping, MVR, and voice VLAN for convergence
- Enhanced network protection with IP source guard, DHCP snooping, ARP inspection, and CPU protection
- L2, L3, and L4 filtering, MAC freeze, port isolation, and guest VLAN for improved isolation and access control

XGS2210-52HP • 48-port GbE L2 PoE Switch with 10GbE Uplink

- Physical stacking up to 2 units and 96 Gigabit ports
- Gigabit connectivity plus four SFP+ ports
- VLAN communication through access switch by static routing feature
- Supports sFlow that analyzes client behavior
- PoE models comply with IEEE 802.3at PoE Plus with high power budget

ZYXEL

GS1900-8HP • 8-Port Gigabit Smart Managed PoE Switch

- Gigabit connectivity
- High-power PoE supports IEEE 802.3at
- Easy browser-based switch management
- Quick and easy setup wizard
- Advanced network error prevention features (loop protection, dual images, storm control, and DoS, SSL)
- Fanless design

About Zyxel

Focused on innovation and customer-centricity, Zyxel has been connecting people to the Internet for nearly 30 years. Our ability to adapt and innovate with networking technology places us at the forefront of creating connectivity for telcos and service providers, business and home users.
Zyxel is building the networks of tomorrow, unlocking potential, and meeting the needs of the modern workplace — powering people at work, life, and play.
Zyxel, Your Networking Ally.