



Success Story

ZyXel Security Solution Delivers GDPR Compliance and Always-on Connectivity for Italian Supermarket Chain



Retail



CUSTOMER

Supermercati
Bosco



COUNTRY

Italy



SOLUCIÓN

ZyXel
Security
Solution

Overview

Challenges

- Put in place robust security infrastructure that is also GDPR-compliant
- Deploy a new VPN to allow rapid, secure data transfer between the head office and branches
- The LTE infrastructure could not provide stable connection and had no back-up equipment in place
- Deploy easy-to-manage guest WiFi at the headquarter

Results

- UTM solution facilitates simple, comprehensive compliance with GDPR data privacy regulations for all points of sale
- ATP500 Firewall with High Availability Pro minimizes network downtime to ensure reliable operation
- Firewall defends against zero-day threats through cloud intelligence
- Cloud-connected switches and access points allow HQ's WiFi to be monitored and controlled anywhere, anytime

Solution

- ZyXel Security Solution

Summary

When Supermercati Bosco in Italy turned to ZyXel to ensure it was GDPR-compliant, it got much more than peace of mind that the data collected by its point-of-sale devices would be in line with the EU's stringent new GDPR privacy regulations. The fourth-generation family-owned supermarket took it as an opportunity to upgrade its entire network. On its shopping list were faster, more secure connections between the headquarter and branches, new infrastructure to avoid network outages, and an easy-to-manage WiFi network. Here's how we delivered on each.

Background

If there's one thing modern Italy is known for, it's a passion for good food made with fresh, high-quality ingredients. Bosco Supermarkets has been supplying Italians with just that for nearly 150 years, having been founded in 1880 by entrepreneur Antonio Bosco. And now, four generations later, it's still owned and operated by the Bosco family.

Challenges

The supermarket chain already had a VPN solution in place, but its outdated infrastructure wasn't able to meet the strict data management provisions of the GDPR, and it couldn't be updated to do so, either. Then there was its LTE infrastructure, which not only provided unstable connections but had no back-up equipment in place.

Connectivity and availability were a significant anxiety for Bosco; the point-of-sale devices at its supermarkets were reliant on the stability and security of its VPN connection with headquarter. Any failure would spell disaster as it

Having gone many years without a network upgrade, and with GDPR coming into effect, Bosco wisely saw that this was the perfect opportunity to both ensure compliance with the privacy regulations as well as prevent from cyberattacks.

would take down the PCs used by the supermarkets across the country.

Finally, the company wanted a WiFi hotspot at its headquarter – one that could be set up and managed with minimal fuss.

Bosco called in its system integration partner STAMX.NET. After a careful study of the existing network, STAMX drew up a plan of action to complete the entire upgrade without a single service interruption for end users.

Solutions and Benefits

Work started at Bosco's headquarter via a **ZyWALL ATP500 Firewall** with Zyxel's Unified Threat Management (UTM) service.

The advanced security solution was designed to identify previously unknown zero-day threats, collect the results in the database and provide a daily update on cyber threats. In addition, the firewall supports all Zyxel security services, such as web security, application security, malware blocker, advanced sandboxing as well as SecuReporter cloud-based analytics and report service.

Furthermore, the Device High Availability Pro from ATP500 features smart handover to ensure smart, reliable failover for always-on services. This can ensure minimal network downtime and complete recovery of normal operations for all stores. Now, Bosco has more than sufficient protections and redundancies to ensure stable connectivity and prevent catastrophic network failures.

Next, to connect the headquarter with Bosco's supermarket locations, STAMX turned to the **ZyWALL VPN100 Firewall**. In addition to its straightforward and readily customizable security architecture allowing for easy GDPR compliance, the firewall creates safe and stable VPN networks connecting the stores to the headquarter. VPN100 ensures a solid VPN connection for users from separates location to access business information securely and smoothly.

Finally, back at the headquarter, the guest WiFi is up and running with **GS1920-24v2 24-Port GbE Smart Managed Switches** and **NWA5123-AC 802.11ac Dual-Radio Unified Access Point**. As these are accessible anywhere, anytime via Zyxel's Nebula cloud networking platform, Bosco can now diagnose network issues easily and intervene immediately to keep the network stable and functional.

Products Used

ZyWALL ATP500 • ATP Firewall



- Machine learning threat intelligence with global sync
- Sandboxing defeats unknown threats
- Hybrid scanning leveling up malware blocking
- High assurance multi-layered protection
- Reporting and analytics on cloud and device
- 1-Year full functional license services

ZyWALL VPN100 • VPN Firewall



- Validated by Microsoft Azure and Amazon AWS for SMB convenience
- Robust hybrid VPN (IPSec/IKEv2 and L2TP over IPSec VPN)
- Comprehensive connectivity with hospitality and AP controller integrated
- Uninterrupted services with Multi-WAN Failover and VPN High Availability

GS1920-24v2 • 24-Port GbE Smart Managed Switch



- Up and running in minutes — supports NebulaFlex Technology to shift between standalone and License Free Nebula cloud flexibly
- Easy management and setup with web-based interface
- Smart fan design offers silent operations in your office
- User-friendly design includes one-touch "Restore" button

Products Used

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

About Zyxel Networks

Focused on innovation and customer-centricity, Zyxel has been connecting people to the Internet for over 30 years. Our ability to adapt and innovate with networking technology places us at the forefront of creating connectivity for business and home users. We're 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.

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