



Delivering a Secure, Gap-Free WiFi Network for Wine Distribution Firm

Overview

A wine distribution company relocating to a new office in Seocho-gu, Seoul, needed reliable internet and seamless WiFi across its workspace. Its consumer-grade routers caused frequent disconnections and made the network harder to manage and secure. These issues became more pressing as more employees shifted to laptop-based work. The company replaced the aging setup with Zyxel Networks' integrated wired and wireless solution combining WiFi 7 access points, PoE switching, and enterprise-grade firewall protection. Careful site planning ensured reliable connectivity across both floors while adapting the installation to different ceiling structures. The new infrastructure also gives the company stronger control over network security and the flexibility to manage its entire network environment centrally through the Nebula cloud networking solution.

Challenges

The company's previous reliance on consumer-grade routers had led to unstable connectivity, with limited protection and control for a typical business environment. With employees increasingly relying on laptops, the new office also required a more robust network capable of delivering consistent access while providing stronger safeguards for corporate use. The physical environment posed another challenge. The two floors featured different ceiling structures, requiring a wireless design that could eliminate coverage gaps without compromising the office interior. Therefore, the company needed an installation approach tailored to each space rather than simply transferring its previous equipment to the new location.

Solutions

For wireless coverage, WBE510D WiFi 7 access points were installed on both floors, tailored to each floor's ceiling type: the 3rd floor's open ceiling ruled out drilling, so access points were mounted onto the lighting rail using brackets, while the 5th floor's finished ceiling allowed for a flush-mount installation.

Customer

Wine Distribution Company
in Seocho

Industry

Retail

Location

Seoul, South Korea

Partner

B-Plus Co., Ltd.

Customer Background

The Korean wine distribution company relocated its office to the 3rd and 5th floors of a new building in Seocho-gu, Seoul. As part of the move, the office needed a reliable, secure network more than ever.



At the core of the new network, a USG FLEX 200 Firewall replaced the office's consumer routers as an enterprise-grade gateway and firewall, blocking phishing, spyware, viruses, worms, and spam from reaching the network. It also gives IT staff control over unauthorized application use and access to malicious sites, adding a layered defense on top of perimeter security.

The GS1920-8HPv2 Smart Managed PoE Switch delivers power and data over a single cable to every access point, supplying up to 130W to its ports so no separate electrical work is needed. Loop guard prevents outages caused by miswired cabling, and VLAN and DoS-prevention features provide Layer 2 security, while remote monitoring and port control keep maintenance simple.

The entire network is managed through Zyxel's Nebula cloud platform, giving administrators real-time visibility into network status and device activity from a single dashboard, along with automatically generated reports on traffic by time of day, connected device counts, and visitor statistics. A companion mobile app lets IT staff check device status and manage the network remotely from anywhere, and push and email alerts flag issues like an internet outage, so problems can be diagnosed and resolved quickly.

Product List



- WBE510D WiFi 7 Access Point



- GS1920-8HPv2 Smart Managed PoE Switch



- USG FLEX 200 Firewall

Results

The new network gives the office gap-free WiFi across both floors and an enterprise-grade setup built for a laptop-driven workplace, replacing the old consumer routers that caused disconnections and security gaps.

- Installation tailored to different ceiling structures without compromising interior finishes
- Simplified AP installation with power and data delivered over a single Ethernet cable, no separate electrical work needed
- Seamless company WiFi with enterprise-grade wireless APs
- Stronger protection against online threats and unauthorized network access
- Centralized visibility and automated reporting through the Nebula cloud platform

