



Ensuring Stable, Secure Business Connectivity for Fast-Growing Startup

Overview

A startup office in Gangnam-gu, Seoul was experiencing slow internet speeds and, on a tight budget, had its phone, fax, and copier connected separately, adding extra cost and management hassle. On top of that, a patchwork of home-use CCTV and consumer-grade routers caused frequent disconnections and slowdowns that were generating regular employee complaints. To solve these problems, Zyxel Networks, together with Bizmate, built an integrated network covering internet, phone, fax, copier, CCTV, and WiFi. Centered on WiFi 6 access points, a USG FLEX 700H Firewall, and Zyxel Nebula cloud networking solution, the new setup gave the office a stable, secure, and fast network that keeps every digital tool running smoothly across the business.

Challenges

Running on a tight budget, the office was held back by slow internet, and having the phone, fax machine, and copier each connected separately made the setup costly and inefficient to manage. The consumer-grade wireless routers and home-use CCTV cameras left the network unstable, with spotty coverage and dropped network connections that were becoming a regular source of employee complaints. With staff working across meeting rooms, employee desks, and warehouses, the office needed wireless coverage with no dead zones that stayed reliable as people moved throughout the day.

Solutions

The NWA90AX access point uses Concurrent Dual Radio to run on 2.4GHz and 5GHz simultaneously, while the WAX610D's advanced antenna design delivers speeds up to 2,975Mbps, staying fast even as more users connect at once.

The USG FLEX 700H Firewall protects the network with AI-driven cloud threat intelligence, combining sandboxing, anti-ransomware protection, web filtering, DNS/IP/URL filtering, and intrusion prevention in one system.

Customer

Startup Company

Industry

SMB

Location

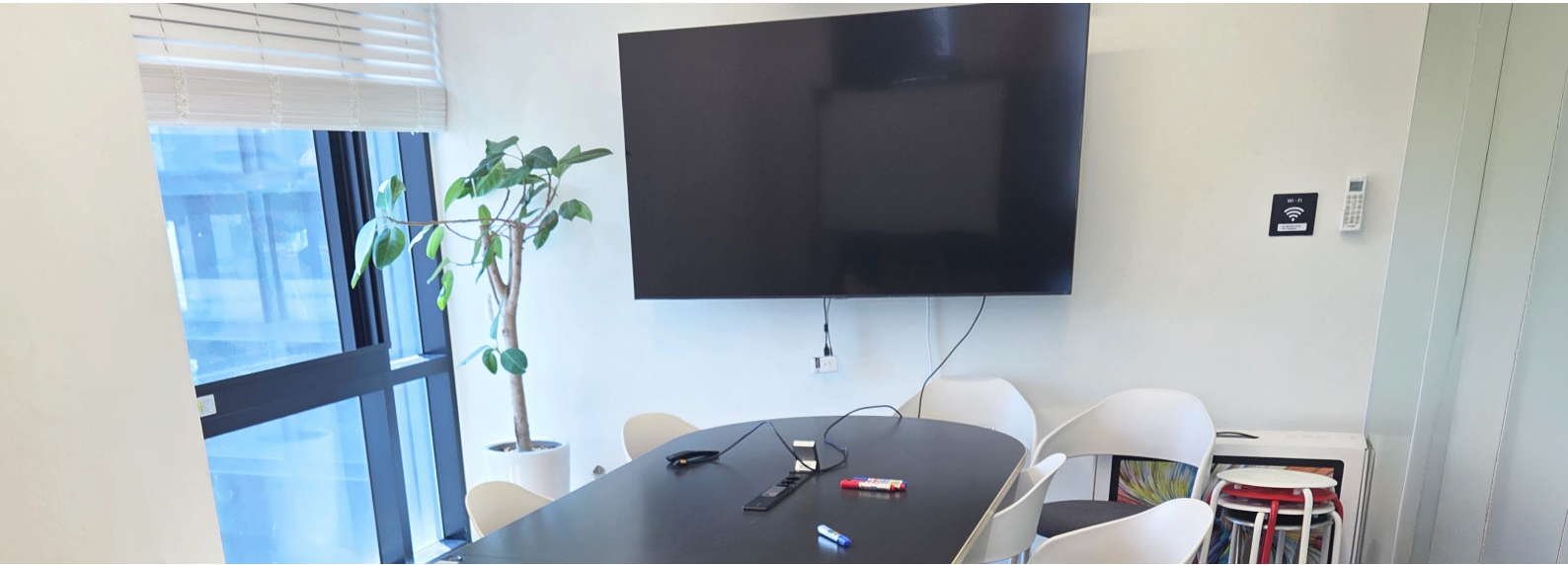
Seoul, South Korea

Partner

Bizmate

Customer Background

The fast-growing startup company in Gangnam-gu, Seoul includes meeting rooms, warehouses, and employee desks. With its employees working across different areas of the office and relying on digital tools for video conferencing, file sharing, and ERP access, a stable and reliable network is essential to keeping operations running smoothly.



Solutions

New cyberthreats are shared instantly across Zyxel's global security cloud, so firewalls elsewhere can block the same threat automatically, with signatures updating continuously against both known and zero-day attacks.

Every access point broadcasts the same WiFi name, so employees seamlessly connect to the same WiFi network from anywhere in the company using a single SSID. Each device automatically connects to the nearest access point and switches instantly to a stronger one if signal quality drops, keeping users seamlessly connected with just one authentication as they move around the office. On top of this, QoS settings distribute bandwidth fairly by capping usage per person, with independent SSIDs available where traffic needs to be kept separate.

The entire network is managed through Nebula, giving administrators real-time visibility and remote control. Regular traffic and visitor reports, mobile monitoring, and instant push and email alerts keep the office running smoothly with minimal oversight.

Product List



- WAX610D WiFi 6 Access Point
- NWA90AX WiFi 6 Access Point



- XGS2210-28 Layer 3 Access Switch
- GS1920-24HPv2 Smart Managed PoE Switch
- GS1900-8HP Smart Managed PoE Switch



- USG FLEX 700H Firewall

Results

Zyxel Networks creates an optimal wireless environment that enables smooth video content production and real-time collaboration. The company now fully leverages its digital tools without disruption, supporting daily operations and future growth.

- At least 20% faster file transfer, video conferencing, and ERP access
- Unified, dead-zone-free network across internet, phone, fax, copier, and CCTV
- Seamless single-SSID roaming with automatic switching to the strongest nearby access point
- AI-powered cybersecurity via the USG FLEX 700H Firewall
- Centralized monitoring and fast remote support through the Nebula cloud networking solution

