

# Suwon Hospital

## Korean Hospital Discovers Remedy to Cure Its Unstable Wireless Connectivity

### Customer at a glance



**Customer Name**

Suwon Hospital



**Industry**

Healthcare



**Location**

Suwon, Korea



### Customer Background

The hospital in Yeongtong, Suwon, measures 100 square meters and consists of an information desk, office, manual treatment center on the 1st floor, and a health examination center and internal medicine department on the 2nd floor.

### Summary

The hospital in Suwon aimed to provide high-quality WiFi services to its customers and staff, but faced challenges with unstable wireless access due to reliance on wireless routers. To address this, the hospital decided to switch to wireless APs. Considering the high number of customers on the second floor where data usage is high and traffic generation is frequent, Zyxel's WAX650S WiFi 6 APs were chosen for its efficient traffic processing capabilities. On the first floor, which had fewer users, the budget-friendly WAC6502D-S APs were installed to optimize the WiFi environment. Zyxel's APs utilize DCS and Smart Antenna technologies to ensure optimal coverage, preventing interference and minimizing dead zones for all users. To enhance network security and protect data and privacy, the hospital implemented Zyxel's USG310 firewall, an integrated security device that separates public and private networks. The firewall also includes a wireless AP controller function, eliminating the need for a separate controller and reducing deployment costs. Following the deployment, the hospital successfully improved its wireless network, providing a smoother and faster network experience for customers and staff, while ensuring data and privacy protection.

### Challenges

- High data usage and frequent traffic generation pose challenges for network performance and stability
- Separate customer and work networks to reduce management complexity
- Inadequate network security measures risk data privacy and confidentiality

### Benefits

- Reliable and efficient WiFi experience for customers and staff
- Improved network speed and coverage, minimizing dead zones and preventing interference for all users
- Strengthened network security and privacy along with unified control over connected devices in a cost-effective way

### Products used

- XGS2210-28 L3 Access Switch
- GS2210-24LP L2 PoE Switch
- GS1920-24 Smart Managed Switch
- WAX650S 802.11ax Access Point
- WAC6502D-S 802.11ac Access Point
- USG310 Firewall