ZYXEL
NETWORKS

Optimizing Logistics Operations with High-Performance, Secure Networks

Overview

With the rapid development of the global logistics industry and continuous technological advancements, Oriental Freight Services recognizes the need to upgrade its networking equipment to meet the increasingly complex logistics environment. This upgrade will enable it to achieve faster, safer, and more accurate cargo tracking, transportation scheduling, and customer service, further enhancing its competitiveness and market position. With Zyxel Networks' Nebula solution, network switches, access points and security firewalls, the company has effectively enhanced surveillance, network security, and wireless network performance in warehouse spaces, thereby improving operational efficiency.

Challenges

Logistics and warehouse companies face several challenges. Firstly, they must manage large data traffic volumes effectively, especially when upgrading to new equipment, to ensure system stability and efficiency. Additionally, these companies require extensive wireless network coverage to maintain smooth operations within their facilities. Efficient management of network equipment is crucial, including the ability to swiftly identify and address issues remotely via mobile devices to enhance operational efficiency. Furthermore, warehouse spaces often contain numerous metallic objects, which can disrupt radio waves and lead to poor network signal quality.

Solutions

For the networking needs of the Taipei headquarters office, Zyxel Networks recommends using the XGS2220 series access switches. This series features multiple 10G uplink interfaces and smart fans, ensuring stable and efficient data processing performance. Additionally, to meet the demand for extensive wireless network coverage, the NWA210AX wireless access points were installed.

Customer
Oriental Freight Services

Industry
Logistics

Location
Taipei, Taiwan

Partner
Yu Shin Information

Customer Background
Since its establishment in 2014, Oriental Freight Services has been renowned for its professional, efficient, and friendly services. It has established strong partnerships with major shipping companies, container depots, and agents worldwide to ensure the fulfillment of its clients' logistics needs. Therefore, the company requires efficient networking equipment to enable real-time consultations and remote monitoring, ensuring the safety and punctuality of cargo delivery.

Equipped with advanced WiFi 6 technology, this access point delivers ultra-fast transmission speeds and seamless service, along with NebulaFlex functionality for flexible switching between standalone and Nebula cloud network management modes.

For the company's warehouse spaces, Zyxel Networks recommends the GS1350 series surveillance switches designed specifically for security surveillance. The USG FLEX 200 firewall offers advanced cybersecurity protection technology and flexible licensing schemes to enhance system security. The NWA90AX WiFi 6 wireless access point supports both 2.4GHz and 5GHz frequencies, providing high-speed connections and extensive coverage. These products offer enterprise-grade wireless connectivity, cybersecurity protection, and flexible network management, effectively enhancing warehouse surveillance, network security, and overall network performance, thereby improving operational efficiency.

Results

Through networking equipment upgrades, Oriental Freight Services achieves faster, safer cargo tracking and improved customer service, and boosts competitiveness. Implementing Zyxel Networks' Nebula solution enhances warehouse surveillance and network performance for higher operational efficiency.

The Nebula cloud networking solution offers direct inquiries for configuration issues, with dedicated personnel providing prompt responses, eliminating the hurdles associated with telephone communication or locating appropriate support personnel. Nebula's streamlined technical support ensures prompt issue resolution, eliminating communication hassles and contributing to smoother operations.

- Enhanced cargo tracking and customer service
- Improved operational efficiency in warehouse spaces
- Enterprise-grade cybersecurity protection and flexible network management

Product List

- XGS2220-30F L3 Access Switch
- XGS1930-28/28HP Lite-L3 Smart Managed Switch
- GS1350-26HP Surveillance Switch

- USG FLEX 200 Firewall

- NWA210AX WiFi 6 Access Point
- NWA90AX WiFi 6 Access Point