Building Reliable WiFi Infrastructure with Effortless Cloud Management

Overview

When it comes to outfitting the dormitory with WiFi for its workers, a reliable and cost-effective solution is foundational. While it may not be a critical system, ensuring smooth WiFi access for residents is vital. To streamline network management and maintain stable operations, the equipment must be straightforward for the company to monitor, manage, and maintain, with easy access to all necessary information. Thanks to Zyxel Networks' Nebula cloud networking solution, Syscon has successfully built a robust WiFi network, ensuring seamless connectivity and effortless management.

Challenges

When constructing the dormitory, Syscon focused on creating a sturdy building structure and ensuring a comfortable living environment. A high-performance WiFi infrastructure was a key component of this plan. Syscon aimed for a hassle-free, worry-free experience by choosing a reliable and future-proof networking solution with a long warranty, ensuring the equipment remains operational for as long as possible without the need for frequent tech refreshes.

Solutions

Syscon consulted with its system integrator Insiro for a dependable solution. After careful evaluation, Zyxel Networks' Nebula solution met all the requirements for its ease of use, reliability, and affordability.

Nebula transformed network management into a straightforward process with its cloud-based platform. Devices could be configured via the cloud before arrival, allowing for a true plug-and-play experience upon delivery. Its centralized management system streamlined setup and updates from a single interface, reducing the complexity and effort of on-site deployment.

Customer
SYSCON Pte Ltd

Industry
Construction

Location
Singapore

Partner
Insiro
Go Nimbus

Customer Background
Syscon, a leading provider of Concrete precast components for over 40 years, has played a crucial role in Singapore's housing industry. Since the 1960s, the Housing Development Board has worked to deliver affordable, high-quality housing. Singapore's efficiency in developing low-cost housing has been used as a model in several other countries, and Syscon has been at the forefront of the industry.

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Monitoring WiFi availability is a breeze with Zyxel Networks' equipment. The Nebula dashboard allows us to see everything on a single interface and view the network status remotely via the app."

Ho Shu Jie
Business Development, Syscon Pte Ltd

With Nebula, extensive on-site support and additional hardware were minimized, leading to lower operational costs. The platform provided powerful and scalable network connectivity, seamlessly integrating with Zyxel Networks' access points and switches. By cutting through the complexity and minimizing security risks often seen with mixed vendor approaches, Nebula ensured a reliable and secure network environment.

The GS1920-24HPv2 smart managed PoE switches were selected for their advanced features, particularly their enhanced PoE capabilities, perfect for powering and supporting WiFi access points. These switches could ensure fast and reliable connectivity by delivering both power and data to the access points, facilitating a seamless and efficient network experience.

Results

Syscon successfully delivers reliable WiFi coverage throughout the dormitory with Zyxel Networks' Nebula cloud solution. This solution ensures seamless connectivity, straightforward monitoring, and effortless management. Syscon now enjoys a cost-effective, stable network that is easy to oversee, requires minimal maintenance, and significantly enhances the residents' living environment.

- Consistent and reliable WiFi throughout the dormitory
- Effortless management of the entire network with minimal effort
- Affordable and low-maintenance solution providing peace of mind

Product List

- GS1920-24HPv2 Smart Managed PoE Switch

- NWA1123ACv3 WiFi 5 Access Point