



Powering Scalable, High-Density Connectivity Across Multi-Location Hospitality Environments

Overview

As Sayaji Hotels Ltd. expanded across multiple locations, delivering consistent, high-performance connectivity across all properties became a critical priority. With increasing guest expectations and rising device density, the group required a new network that could scale effortlessly while maintaining performance, reliability, and ease of management.

Spanning 13 hotel properties across multiple states, the challenge was not just about connectivity but about creating a standardized, high-density network experience across diverse places, including guest rooms, lobbies, restaurants, and outdoor spaces. After evaluating multiple brands, Sayaji Hotels selected Zyxel Networks for its ability to deliver a scalable, high-quality, and cost-effective solution without compromising on performance. In partnership with Samir Computers, the group deployed a large-scale cloud-managed network of over 1900 access points and over 100 switches. The result is a unified, intelligently managed infrastructure that delivers seamless connectivity across all locations, transforming network performance into a key enabler of guest satisfaction and operational efficiency.

Challenges

Managing connectivity across multiple hotel properties presented both operational and performance challenges. WiFi coverage across guest rooms and outdoor areas was inconsistent, especially in high-density environments such as lobbies and dining spaces. Each property had different layouts and infrastructure conditions, making it difficult to maintain uniform network performance. At the same time, the sheer scale of deployment, across thousands of devices required centralized management. Without it, monitoring, troubleshooting, and maintaining consistency across locations would be complex and resource-intensive. The key challenge was to build a scalable, cost-effective, and centrally managed network that delivers consistent performance across all properties.

Customer

Sayaji Hotels Ltd.

Industry

Hospitality

Location

India (Gujarat, Maharashtra, Rajasthan, Madhya Pradesh)

Partner

Samir Computers

Customer Background

The Sayaji Group of Hotels is renowned for their bespoke experiences and signature hospitality. Founded in 1982 by Sajid Dhanani, the brand has grown from a single hotel into a distinguished Indian enterprise, now competing with the world's leading hotel chains. Their growth stands as a testament to their commitment to delivering unparalleled luxury, quality, and service.



Deploying a network at this scale across multiple hotel properties required a solution that could deliver both performance and consistency. With Zyxel Networks' cloud-managed platform, we were able to standardize the network architecture across all locations while keeping deployment efficient and cost-effective. The centralized visibility and ease of management have made a significant difference in how the entire infrastructure is operated."

Sameer Mansuri, Director
Samir Computers

Solutions

Instead of treating connectivity as a property-level deployment, Sayaji Hotels took a centralized, design-led approach building a network architecture that delivers consistent performance across all locations.

In partnership with Samir Computers, Zyxel Networks delivered a cloud-managed solution designed to handle both scale and complexity, ensuring high performance at scale, flexibility, and cost efficiency across multiple properties.

For indoor environments, a combination of WiFi 6 access points, including 500 units of WAX510D, 200 units of WAX610D, and 1200 units of NWA50AX, was deployed across guest rooms and common areas. These access points are designed for high-density usage, enabling seamless connectivity even when multiple devices are connected simultaneously. Their ability to deliver strong, stable performance made them ideal for hospitality environments where user experience is critical.

For outdoor areas such as poolside zones, open seating, and external spaces, one WAC6553D-E access point and five NWA55AXE outdoor access points were deployed. Built for durability and consistent performance, these access points ensure reliable connectivity in challenging outdoor conditions, extending the network experience beyond indoor spaces.

The switching infrastructure was built using a combination of smart managed PoE and non-PoE switches including GS1920-8HPv2, GS1920-24HPv2 and GS1920-24v2, creating a flexible and scalable access layer across all properties. The PoE-enabled models simplified deployment by powering access points directly, reducing cabling complexity and enabling faster rollouts across multiple locations.

The deployed solution delivers reliable performance and simplified management across diverse hotel environments.

At the core, XGS4600-32 L3 aggregation switches with 4 SFP + uplinks were deployed to handle high-volume traffic and ensure seamless data flow between network layers. With advanced Layer 3 capabilities and high-speed uplink support, these switches provided the performance and stability required for a large-scale, multi-site hospitality network.

To unify operations across all properties, the entire deployment was managed through the Nebula cloud management solution. The platform enabled centralized monitoring, configuration, and troubleshooting across all locations, allowing the IT team to manage thousands of devices through a single interface.

This architecture ensured highly reliable connectivity experience, traffic handling, and consistent performance across all properties, even during peak usage.





Product List



- WAX610D WiFi 6 Access Point
- WAX510D WiFi 6 Access Point
- NWA50AX WiFi 6 Access Point
- NWA55AXE WiFi 6 Outdoor Access Point
- WAC6553D-E Outdoor Access Point



- XGS4600-32 L3 Aggregation Switch
- GS1920-24v2 Smart Managed Switches
- GS1920-8HPv2/24HPv2 Smart Managed PoE Switch



- Nebula Base Pack license

Results

With Zyxel Networks' cloud-managed network in place, Sayaji Hotels Ltd. successfully transformed connectivity across all their properties into a consistent and reliable experience.

Guests now benefit from fast, seamless WiFi across rooms, indoor environments, and outdoor spaces, while the IT team gains centralized control and visibility across thousands of devices, significantly simplifying operations at scale.

- 1900+ access points deployed across 13 hotel properties
- 100+ switches integrated into a unified network architecture
- Consistent WiFi experience across all locations and environments
- Centralized cloud management for multi-site visibility and control
- Scalable and cost-effective infrastructure supporting future expansion

