



Success Story

Budapest's Iconic Hotel Delights Customers with Zyxel's Top-Notch Wireless Solution



Hospitality

INDUSTRY



CUSTOMER

Hotel Clark
Budapest



COUNTRY

Hungary



SOLUCIÓN

Zyxel
Wireless
Solution

Overview

Challenges

- Establishing a flawless wireless network that would meet the rising demands of hospitality customers
- Needed separate network access for guests and staff
- The network had to support multiple bandwidth-demanding internet-based devices

Results

- A robust and reliable network with high-speed WiFi coverage throughout the hotel
- Secure, verifiable, segmented connection for guests and internal staff
- Seamless connectivity of VoIP phones, IP camera solutions, etc.

Solution

- Zyxel Wireless Solution

Clark Budapest is a popular hotel for both business and leisure travelers heading to the capital city of Hungary. As the hotel's business continued to grow, and it needed better network infrastructure to meet the ever-persisting customer demands, its management turned to Zyxel's top-of-the-line solutions. The hotel's requirements were not simple. It needed separate network access for guests and staff and wanted the network to support IP devices like surveillance systems. Any mishap would have proved costly to the hotel as flawless customer experience was paramount to the business. Thanks to Zyxel's top-notch solutions and its partner, the entire project was completed without a glitch. Zyxel provided a secure, high-speed wireless network, separated for guests and staff, and could support modern devices like VoIP phones and IP-based surveillance cameras.

Background

Hotel Clark Budapest, located on Clark Ádám Square, was one of the most exciting hotel projects of recent years. The four-star hotel at the foot of the Chain Bridge is an unmissable structure that serves as a melting pot of high-end technology and traditional culture. The hotel promises its customers an unforgettable experience with its stunning panoramic views, sophisticated design, and fine dining.

Since customer experience is the top priority for Clark Budapest and the hospitality industry as a whole strives to improve its service to guests always, the hotel wanted a consistent, high-speed WiFi connection.

Challenges

In the case of Hotel Clark Budapest, the main challenge was building separate, secure, and uninterrupted networks for guests and internal staff. Besides, the network needed to



Solutions and Benefits

The Hotel Clark Budapest adopted **NXC2500 Wireless LAN Controller** to control the whole network, and monitor 64 **NWA5123-AC 802.11ac Dual-Radio Unified Access Points**.

NWA5123-AC access points were installed to provide complete signal coverage. The NWA5123-AC is built with a high-efficiency antenna module, premium power amplifiers, and low-noise elements to deliver superior wireless performance. Featuring dynamic channel selection, load balancing and concurrent dual-band support, the APs ensure smooth and high-speed communication with multiple clients. NXC2500 Wireless LAN Controller enables the hotel to centrally manage all its APs with ease. The controller also reduces the amount of time required for the initial setup of APs as well as for subsequent adjustments. The controller ensures better radio resource usage so that the users experience the best possible wireless network performance.

GS2210-8HP 8-Port and 24HP 24-Port Gigabit L2 PoE Switches were installed to ensure that each guest room could be assigned a dedicated data VLAN to provide better isolation and security. The PoE switches support

work with new devices like VoIP phones and IP surveillance camera systems installed in the building.

IEEE 802.3af PoE standard and high power-budget that can run multiple advanced Powered Devices (PD) like 802.11ac wireless APs, video IP phones, and IP cameras at the same time, ensuring stable operation of the devices.

Tamás Tresó, Channel Sales Manager of Zyxel Hungary, said proudly, "In the hospitality industry, customer satisfaction comes first. And the guest experience largely depends on the quality of the Internet. With our wireless and switching solutions, we have ensured that one of the most beautiful hotels in Budapest provides top-quality service in this area as well."

With Zyxel's wireless solution, Hotel Clark can seamlessly and effectively control its WiFi network, and ensure its system is secure and efficient for both internal staff and guests. They are happy with the Zyxel Network's solution that can address their needs, and confident to provide better services to their guests.

Products Used

NXC2500 • Wireless LAN Controller



- Auto provisioning and centralized management of up to 64 APs
- ZyXel Wireless Optimizer for easy planning, deployment, and maintenance
- Advanced ZyMesh technology for streamlined AP deployment and WLAN extension
- Enhanced RF management with auto healing
- Flexible traffic forwarding with tunnel and distributed modes
- Comprehensive guest network management and granular access control

NWA5123-AC • 802.11ac Dual-Radio Unified Access Point



- Ceiling- and wall-mountable design with optimized RF performance
- 2-in-1 standalone/managed AP design
- CAPWAP management supported
- Enterprise-class 2x2 802.11ac AP supports combined data rates of up to 1,200 Mbps
- Simple, speedy deployment with APFlex™ and ZyXel One Network utilities

GS2210-8HP/24HP • 8/24-Port Gigabit L2 PoE Switch



- High power budget of 180 W (GS2210-8H) / 375 W (GS2210-24H)
- L2 multicast, IGMP snooping, MVR, and voice VLAN for convergence
- Enhanced network protection with IP source guard, DHCP snooping, ARP inspection, and CPU protection
- L2, L3, and L4 filtering, MAC freeze, port isolation, and guest VLAN for improved isolation and access control

About ZyXel Networks

Focused on innovation and customer-centricity, ZyXel has been connecting people to the Internet for over 30 years. Our ability to adapt and innovate with networking technology places us at the forefront of creating connectivity for business and home users. We're building the networks of tomorrow, unlocking potential, and meeting the needs of the modern workplace — powering people at work, life, and play. ZyXel, Your Networking Ally.