



## Success Story

Luxury Hotel and Spa in Turkey Connects Guests with Zyxel Solution



Hospitality



Wind of  
Lara Hotel  
& SPA



Turkey



Zyxel wired  
and  
wireless  
solution

## Overview

### Challenges

- The number of floors and rooms in the hotel building could block some wireless signals
- Project must comply with local network and Internet regulations
- Solution must offer secure, high-speed, and stable connectivity
- Network must support employee and guest accounts
- Network should be easy to manage and maintain

### Benefits

- Rapid deployment
- Trouble-free communication and support thanks to easy installation features
- Quick connections despite a high level of access request
- Stable and fast Internet access
- Improved security features
- Wireless signal reaches all areas of facility

### Solutions

- 802.11ac Dual Radio Smart Antenna Access Point
- 802.11 a/b/g/n Dual-Radio Unified Access Point
- Wireless LAN Controller
- 24/48-port Gigabit L2 PoE Switch
- L3 Managed Stackable Gigabit Ethernet Switch

"Tourism, which is a smokeless and dynamic industry, is a leading sector in our country. At the Wind of Lara Hotel & SPA, we are one of the major players in this sector and we work to benefit our country. We responded to customer demands to offer the best wired and wireless Internet experience for our guests. As a result of our research, we found that Zyxel could provide the best solution with their outstanding products and services. They completed the project in a short time and we are extremely satisfied with the results."

Ali İhsan Gür, Manager  
Wind of Lara Hotel & SPA Hotel

## Background

Wind Of Lara Hotel & SPA is located in the Lara region of Antalya, Turkey, 19km away from the city center and 12km from the airport. The resort redefines the concept of the perfect vacation destination for its exclusive clientele. Wind of Lara Hotel & SPA allows customers the opportunity to enjoy their holiday preferences with a wide variety of pleasing activities. The hotel provides the option for guests to relax in peace and tranquility inside the hotel, or they can enjoy fun in the sun on the nearby beach.



## Challenges

Today's connected travelers and hospitality guests expect fast, stable, and secure connectivity from the accommodation and recreation facilities they visit. However, large multi-story resorts and hotels with multiple rooms can present numerous challenges to providing connectivity for guests and staff. A network infrastructure must be robust to deliver the level of service customers expect and employees require. In the

case of the Wind of Lara Hotel & SPA, a wired and wireless solution was needed that would eliminate the possibility of dead spots created by walls and floors in large multi-level buildings. In addition to complete signal coverage, the solution would have to be secure to protect customers' private data and easily manageable, as well as comply with Turkey's Internet regulations.

## Solutions and Benefits

This project was carried out through cooperation between Zyxel business partner KBG Information and their sub-contractor Mavikent Computer. Zyxel specialists performed an extensive analysis to determine the hotel's data security and interior Internet roaming requirements in order to set up wired and wireless networks using high-tech products and end-to-end network solutions provided by Zyxel.

"Thanks to our exploratory on-site study, proper planning during the engineering phase, selection of appropriate products, our technical capabilities, customer relations, and our past references in network infrastructures for other hotels, Wind of Lara Hotel & SPA accepted our offer out of the many offers from our competitors," said Zyxel channel project sales manager Erdem Timur Koca.

Zyxel Layer 3 and Layer 2 manageable XGS4700 and

GS2210 series products were deployed to create the switch infrastructure. The guest facility was equipped with an access network using state-of-the-art technology that included products and solutions such as Zyxel's NXC 5500 Wireless LAN controller and access points manufactured with the new generation of AC standard technology.

"Productivity, performance, and capacity planning were carried out smoothly and a robust infrastructure was established with the collaboration between Wind of Lara Hotel & SPA, Zyxel, and its solution partners," Koca added.

The facility now enjoys full wired and wireless network coverage, providing complete Internet access for both guests and staff. The combination of top-of-the-line Zyxel hardware and the expertise of Zyxel's local business partners resulted in a trouble-free deployment and continuous professional support.

## Products Used

### WAC6502D-S • 802.11ac Dual Radio Smart Antenna Access Point



- ZyXel smart antenna with more than 700 optimized antenna patterns provides breakthrough performance anywhere
- Ideal for high-density and interference-laden indoor environments
- Advanced IEEE 802.11ac offers up to 1.1Gbps combined data rates
- Industry-leading Rx sensitivity as low as -102 dBm
- AP Flex™ DCS and tool-less bracket design streamline deployment
- ZyXel One Network is supported

### WAC6553D-E • 802.11ac Dual Radio External Antenna Outdoor Access Point



- Designed with IP66-rated weather protection which is ideal for harsh outdoor environments
- Advanced IEEE 802.11ac delivers up to 1.75 Gbps combined data rates
- Industry-leading receive sensitivity as low as -102 dBm
- APFlex™, and DCS streamline deployment
- ZyXel One Network is supported

### NWA5123-NI • 802.11 a/b/g/n Dual-Radio Unified Access Point



- Ceiling and wall mountable
- Plenum rated housing
- 2-in-1 standalone/managed AP design
- CAPWAP management supported
- ZyXel One Network is supported

## NXC5500 • Wireless LAN Controller



- Centralized WLAN management and auto provisioning
- Manages up to 512 APs with granular access control
- ZyMesh simplifies complex, inconvenient cabling Wi-Fi Deployments
- Comprehensive features for WLAN performance optimization and always-on Wi-Fi connectivity
- Wireless LAN performance optimization via dynamic channel selection and load balancing

## GS2210 Series • 24/48-port Gigabit L2 PoE Switch



- Fully managed Layer 2 switching solution
- Complies with IEEE 802.3af PoE and 802.3at PoE Plus with high 375 W power budget
- L2 multicast, IGMP snooping, MVR and voice VLAN for convergence
- Enhanced network protection with IP source guard, DHCP snooping, ARP inspection, CPU protection
- L2, L3 and L4 filtering, MAC freeze, port isolation, guest VLAN for improved isolation and access control
- Future-proofed with IPv6 support
- Supports ZON Utility and ZyXel Smart Connect features for easier, more efficient setup and management

## XGS-4728F • L3 Managed stackable Gigabit Ethernet Switch



- IPv4/IPv6 Routing
- L3 advanced routing protocols, OSPF, DVMRP, VRRP and ECMP
- Optional modular 10 Gigabit Ethernet support
- Multilayer-aware (L2/L3/L4) ACL for security protection and traffic optimization
- Guest VLAN
- IGMP Snooping v1, v2, v3, MVR
- sFlow, CPU protection
- RSTP, MSTP, MRSTP, VRRP

### About ZyXel Communications

Focused on innovation and customer-centricity, ZyXel Communications has been connecting people to the Internet for nearly 30 years. Our ability to adapt and innovate with networking technology places us at the forefront of creating connectivity for telcos and service providers, business and home users. ZyXel is 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.

Copyright © 2016 ZyXel Communications Corp. All rights reserved. ZyXel, ZyXel logo are registered trademarks of ZyXel Communications Corp. All other brands, product names, or trademarks mentioned are the property of their respective owners. All specifications are subject to change without notice.