



Success Story

A Zyxel Wireless Solution Delivers High-Bandwidth Connectivity to 5-Star Luxury Resort



Hospitality



CUSTOMER

Adam & Eve
Hotel



COUNTRY

Turkey



SOLUTIONS

Zyxel
Wireless
Solution

Overview

Challenges

- Deliver complete coverage to 469 rooms across six floors of massive resort.
- Offer guests and staff cutting-edge connectivity that surpasses the network services of competitors
- Provide the ability to add new features and expand infrastructure when necessary

Results

- Fast, efficient deployment thanks to intuitively designed installation utilities
- Potent, highly sensitive wireless signal can easily handle sprawling, interference-prone complex
- Network activity and devices can be managed from a single interface

Solutions

- Zyxel Wireless Solution

"The Zyxel Wireless Solution has completely renewed our network infrastructure. With the help of Zyxel's partner, KBG Bilişim, we have quickly been given the resources to provide our guests with truly high-speed WiFi. In addition to improved guest satisfaction, we have also seen great progress with our overall network performance."

Ümit Gürel
IT Coordinator, Stone Group Hotels

Background

Adam & Eve, a Mediterranean resort founded in 2006, has pulled out all the stops in its mission to create the ultimate romantic getaway. The resort was conceived by Stone Group Hotels, a successful Turkish developer aiming to give contemporary hospitality a creative jolt. It's also unabashedly obsessed with size. Largest hotel lounge? 10,000 square meters—check. Longest hotel bar? 96 meters—check. The outdoor pool? It must be seen to be believed. Each of the 469 rooms has a personal spa fixture, so couples can indulge in a bit of private pampering without having to leave their cozy confines. For travelers looking to rekindle a relationship, Adam & Eve will be sure to fan the flames of romance.



Challenges

The hospitality industry is known to be highly competitive. But in the Turkish resort city of Antalya, the market is downright cut-throat. This means that even the most successful developers must continually find ways to enhance guest services. And since travelers are increasingly expecting internet quality that's on par with or better than what they have at home, a hotel's network infrastructure

needs to be robust, versatile, and built with the future in mind. To be able to deliver this supreme level of service, Adam & Eve brought in the experts at KBG Bilişim, a trusted Zyxel integrator. After careful consideration of the resort's expectations, they drafted the blueprints for a fully converged wireless network.

Solutions and Benefits

A state-of-the-art Zyxel Wireless Solution delivered the bandwidth and coverage that Adam & Eve had expected. The driving force behind the solution is the XGS4600-32F core switch, designed specifically for complex deployments in the hospitality and academic industries. The GS2210-48HP edge switch brings easily manageable connectivity to a trio of access points: NWA5123-NI, WAC6503D-S, and WAC6553D-E. With industry-leading receive sensitivity and peerless output power, these APs deliver fast, crisp, and reliable WiFi to the resort's sprawling interiors and exteriors. The upgraded network not only gives guests superior wireless connectivity, it also allows staff to access and utilize business applications more effectively.

"At KBG Bilişim, we were honored to give Adam & Eve

Hotel the network upgrade they required," said Suat Gül, KBG Bilişim general manager. "After integrating the newest Zyxel products with the existing IT infrastructure, our client can now give its guests the best wireless service possible. Many Zyxel products are built for large-scale deployments, so we'll continue to use them for hospitality projects like this one."

Thanks to the Zyxel Wireless Solution, Adam & Eve has a compelling reason for guests to choose them over the competition. And since the solution is both future-proof and scalable, the resort will always be in a position to expand and upgrade its existing network in order to remain safely ahead of the pack.

Products Used

XGS4600-32F • 28-Port Gigabit L3 Managed Fiber Switch with 4 SFP+ Uplink



- Four built-in 10-G SFP+ uplinks enable smooth, congestion-free data delivery for high-bandwidth applications
- Provides high bandwidth with true physical stacking of up to four units and 112 Gigabit ports
- “Carbon fiber”-style name plate delivers a modern look and feel
- High resiliency with redundant power supply units

GS2210-48HP • 48-port Gigabit L2 PoE Switch



- Fully managed Layer 2 switching solution
- GbE RJ-45 and GbE SFP connectivity
- Complies with IEEE 802.3af PoE and 802.3at PoE Plus with a high 375W power budget
- 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
- Future-proofed with IPv6 support
- Supports ZON Utility and Smart Connect for easier, more efficient setup and management

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 supported

WAC6503D-S • 802.11ac Dual Radio Smart Antenna 3x3 Access Point



- ZyXel smart antenna's 700+ optimized antenna patterns enable breakthrough performance in any environment
- Ideal for high-density and interference-laden indoor spaces
- Advanced IEEE 802.11ac delivers combined data rates of up to 1.75 Gbps
- Industry-leading Rx sensitivity as low as -102 dBm
- AP Flex™, DCS, and tool-less bracket design for streamlined deployment

WAC6553D-E • 802.11ac Dual Radio External Antenna 3x3 Outdoor Access Point



- Dual-band 2.4GHz and 5GHz 802.11ac Wireless Access Point
- Designed with IP66-rated weather protection—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 for streamlined deployment
- ZyXel One Network supported

About ZyXel

Focused on innovation and customer-centricity, ZyXel 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.

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