ZYXEL

Success Story

Turkish Business Hotel Delivers Comprehensive Wired and Wireless Solution

INDUSTRY — Hospitality

CUSTOMER — Best Western Premier Sakarya

REGION — Turkey

SOLUTIONS — Zyxel wired & wireless solution

Overview

Challenges

- Extend network coverage to many floors and rooms
- Comply with local Internet regulations
- Provide stable high-speed wired and wireless connectivity
- Provide robust security to protect guest data

Solutions

- 802.11ac Dual Radio Dual-optimized Antenna 3x3 Access Point
- 802.11ac and 11n Unified Access Point
- Next-Gen Unified Security Gateway Extreme Series
- 24-port GbE L3 Switch with 10GbE Uplink
- 24HP/48HP Gigabit Smart-Managed PoE Switch

Benefits

- Rapid deployment and trouble-free communication support thanks to easy installation features
- Quick connections despite high level of access requests
- Stable and fast Internet access
- Enhanced network security
- Trouble-free firewall installation

"Best Western Premier Sakarya is a widely preferred hotel in our province. We have always distinguished ourselves from others, and aim to attract customers by standing out among the competition. Providing our customers with uninterrupted, fast, and secure Internet access constitutes a significant part of this strategy. The success of Aybiltech Bilgisayar and Zyxel solutions in these projects is well known in the tourism industry. With this project, which we brought to life in a very short span of time, we are now able to provide our customers with the Internet access facilities they require."

Mehmet YÜCE
Best Western Premier Sakarya Hotel Manager

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Background

The Best Western Premier Sakarya is in the center of Sakarya, Turkey's commercial district. Located northeast of the Marmara region, the city is within reach of tourist landmarks such as Sapanca, Karasum, and the Kartepe ski area. With 131 guest rooms, the hotel features modern meeting and conference halls that cater to a variety of business travel needs. The Best Western Premier Sakarya has established a reputation as a tech-friendly facility, offering a total of seven modern meeting halls along with a professional support staff ready to help guests stay connected. Other amenities include facilities for conferences, weddings, meetings, panels, workshops, and various other corporate events.

Challenges

Today's business travelers expect fast, stable, and secure Internet connectivity wherever they stay. Hotels that share network resources across multiple levels, rooms, and buildings face unique challenges when attempting to provide reliable network service. Such infrastructures require the best hardware and resources to deliver the desired level of service under difficult conditions, which is why the wired and wireless network for the Best Western

Premier Sakarya was planned, carried out, and completed using Zyxel solutions. Zyxel worked with Aybiltech Bilgisayar, a Zyxel local partner familiar with the needs of local customers. While the vast number of rooms in the hotel was initially considered to be a problem due to the possibility of dead spots and barriers to wireless signals, these hurdles were overcome.

Solutions and Benefits

Zyxel specialists performed an extensive analysis to determine the data security and indoor Internet sharing requirements of the Best Western Premier Sakarya. A wired network was deployed with high-tech products and end-to-end network solutions provided by Zyxel. Zyxel's products were used throughout the project with the assistance of Aybiltech Bilgisayar.

Data transfer speeds were quadrupled, thanks to Zyxel WAC6103D-I 802.11ac access points deployed throughout the wireless network system. A Zyxel USG1100 unified security gateway was selected to provide robust network security. Log records are now stored by the firewall in accordance with Turkish Internet regulations. Finally, a

high-capacity Zyxel XGS-4528F L3 Switch with 10GbE Uplink switch was installed to provide the network backbone.

"We have been taking part as one of Zyxel's ZyPartners for many years," explained Selçuk Ayhan, a network expert with Aybiltech Bilgisayar. "We have also conducted many successful projects together thus far in our region. This project brought to life at the Best Western Premier Sakarya is a clear example of our competence in the tourism industry. We will continue accomplishing similar types of projects by working together with Zyxel in the future."

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Products Used

USG1100 • Next-Gen Unified Security Gateway Extreme Series

- High-performance, high-value Next Generation Firewall (NGFW) for medium and large-sized businesses and campuses
- Anti-malware protection with firewall, anti-virus, anti-spam, content filtering, IDP, next-generation application intelligence and SSL inspection
- Robust SSL, IPSec and L2TP over IPSec VPN connectivity and VPN High Availability (HA)
- Unified security policy streamlines the configuration and management efforts
- Built-in WLAN controller for centralized AP management and effortless WLAN scalability of up to 66 APs

XGS-4528F • 24-port GbE L3 Switch with 10GbE Uplink

- Fully managed Layer 3 switching solution
- High performance switching with 10GbE uplink connectivity
- Resilient networking with RSTP, MSTP, MRSTP, ECMP and VRRP support
- RIP, RIPv2, DVMRP and OSPF for advanced routing applications
- Advanced security with multilayer (L2/L3/L4) ACL, Guest VLAN and CPU protection
- CoS, DSCP, IGMP snooping v1, v2, v3 and MVR for convergence
- Future-proofed with IPv6 support

GS1920 Series • 24HP/48HP Gigabit Smart-Managed PoE Switch

- Smart managed switch with essential L2 features
- GbE RJ-45, GbE combo (RJ-45/SFP) and fixed GbE SFP connectivity
- Supports ZON Utility, Zyxel Smart Connect and iStacking facilitates easy network initialization and management
- Reliable network availability with Loop Guard, IPSG, and CPU protection
- RADIUS, static MAC forwarding and 802.1x authentication -enhance network security
- Future-proofed with IPv6 support

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WAC6103D-I • 802.11ac Dual Radio Dual-optimized Antenna 3x3 Access Point

- "Dual-optimized" antenna allows pattern optimization adapting to wall- or ceiling mount installation
- 3x3 802.11ac supports combined data rates of up to 1.75 Gbps
- Load balancing on both standalone and managed modes
- Dual image supports for reliable Wi-Fi connectivity
- Zyxel One Network for standalone AP management

NWA5123-NI • 802.11 a/b/g/n Access Point

- 2-in-1 Standalone/Managed AP design
- Ceiling and wall mountable
- CAPWAP management Supported
- Plenum Rated housing
- Tx Beamforming and Rx Maximum Likelihood Demodulation (MLD)

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.