



Success Story

Radisson BLU Hotel Provides Guests with Seamless Connectivity Through Zyxel Solution



Hospitality

INDUSTRY



CUSTOMER

Radisson
BLU
Hotel



REGION

Turkey



SOLUTIONS

Zyxel
wireless
solution

Overview

Challenges

- Redundancy of the number of floors and rooms in the hotel building
- Solution should be easy to manage and user friendly
- Solution should be scalable and future-proof for eventual expansion

Benefits

- Rapid deployment and trouble-free communication support thanks to easy installation features
- Quick connection availability despite high level of access request
- Stable and fast Internet access

Solutions

- 802.11ac Dual Radio Dual-optimized Antenna 3x3 Access Point
- 8-port Gigabit L2 Switch
- 24-port Gigabit Smart-Managed PoE Switch
- Wireless LAN Controller

"Our Radisson BLU Hotel is located in one of the most beautiful areas of our Ordu province. Our customers require wireless Internet access, which has become as indispensable as hot water in rooms. As an institution that values customer satisfaction, we evaluated these requests and transferred our wireless infrastructure to an expert: Zyxel. We are very pleased with the results of the project and our guests now enjoy wireless Internet access from anywhere in our hotel."

Coşkun Candaş
Ordu Radisson BLU Hotel Vice General Manager

Background

One of the most important hotels of Ordu province, Radisson BLU Hotel provides grand accommodation to its guests in the midst of the brilliant Black Sea landscape. The hotel is located just 26 km from Ordu-Giresun airport. Before arriving at the hilltop hotel via the aerial cableway connecting it to the city, guests can enjoy vistas of the surrounding beaches, rivers, and green mountains. The hotel provides comfortable and tranquil accommodation with panoramic hilltop views. Guests feel at home in the cozy atmosphere of the hotel's 129 rooms and suites.



Challenges

While all Internet users have seen an increase in their need for fast, stable, and powerful Internet connectivity, students in particular rely high-performance and reliable network connections for their academic needs. Meeting this demand can be challenging, especially when delivering service to larger buildings like hotels, schools, dormitories, and hospitals. The large number of rooms, levels, and users to be provided with connections made it necessary to establish a wireless network infrastructure that is

powerful and dependable. This is why Alka Guest House chose Zyxel products and solutions for its wired and wireless network.

Solutions and Benefits

Zyxel specialists performed an extensive analysis to determine data security and interior Internet roaming requirements of the hotel. They set up a cable network using high-tech products and end-to-end network solutions provided by Zyxel. Detaybilgi Computer was appointed as the contractor.

Zyxel-branded Layer 2 manageable GS2210 series switching products are used to create key infrastructure

within the project. The switches are fully future-proof for eventual expansion. The hotel was equipped with an access network featuring state of the art Wi-Fi technology, thanks to various wireless products and solutions, including a Zyxel NXC2500 WLAN controller and access points manufactured with the new generation AC technology. Each wireless LAN controller provides centralized, user-friendly management for up to 64 APs.

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

GS2210-8HP • 8-port GbE L2 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
- 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

GS1920-24HP • 24-port GbE Smart-Managed PoE Switch



- Smart managed switch with essential L2 features
- GbE RJ-45, GbE combo (RJ-45/SFP) and fixed GbE SFP connectivity
- Compliant with IEEE 802.3af PoE and 802.3at PoE Plus
- High 375-watt power budget
- 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

Products Used

NXC2500 • Wireless LAN Controller



- Centralized management for up to 64* APs
- ZyMesh mitigates complex, inconvenient cabling Wi-Fi deployments
- Client steering enhances efficiency of wireless spectrum utilization
- Auto healing maximizes Wi-Fi service availability
- Seamless integration with external AD, LDAP, RADIUS authentication
- Best investment protection with built-in RADIUS server

*Management of 64 APs is supported with firmware version V4.10 or

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.