



Success Story

Tusan Beach Hotel Offers High-Speed Internet Access to Its Customers via ZyXEL's Professional Solutions

"Services that have been considered as luxury in the hospitality industry so far have become compulsory. It is our priority for our guests to have fast and uninterrupted Internet connection in their rooms. When service has previously been provided from central areas, it could cause slow connections in some rooms. Now, we can offer Internet connections in all rooms with the same quality and speed. With this investment, we can provide a service suitable to our customers' needs. Also, it is a great advantage to be able to use our existing network infrastructure. Thus, infrastructure work was completed quickly and we could continue to provide service to our guests."

Emre Hurda
General Manager, Tusan Beach Hotel

Overview

Customer Name
Tusan Beach Hotel

Customer Industry
Hospitality

Challenges

- Provide wireless Internet connectivity to hotel guests
- Connectivity must extend to guest rooms and common areas
- Solution should be economical and utilize existing infrastructure when possible
- Network must be secure and stable

Solutions

- 5U 6-slot Chassis MSAN
- 802.11n Wireless ADSL2+ 4-port Gateway

Benefits

- Solution utilizes existing phone lines to connect APs to Internet
- Using phone lines saves money and avoids disruptive rewiring
- Future-proof architecture
- Advanced triple-play for large deployments

Background

Tusan Beach Resort was established in 1962 by Tusan Turizm A.S. It is located in Turkey, Kusadasi, one of the leading holiday towns on a spectacular bay with pristine sandy beach. Five-star resort prides itself on the high level of professional service and the hospitality provided its guests.

Challenges

Today, along with the traditional comforts and services offered by the hospitality industry, guests expect Internet connectivity. Providing smooth, fast, secure and stable broadband Internet connections in all rooms and public areas is one of the highest priorities of today's hotels, including the Tusan Beach Resort. However, in terms of business continuity, it is very important not to incur additional deployment expenses, nor require a disruptive overhaul of hotel services.

It is set among the picturesque beauty of the Aegean, with historic landmarks such The Ruins of Ephesus and The House of Virgin Mary just 10 km away. During guests' stays, they can explore many of the region's other historical sites within a day's reach, including Hierapolis, The Temple of Artemis, Dydim, and Miletos.

In the case of the Tusan Beach Resort, this could be avoided by utilizing the existing telephone line infrastructure of the hotel. In planning this project with the help of ZyXEL's expert assistance, the goal was to provide fast, uninterrupted and broadband wireless Internet access to the guest rooms and public areas of the hotel, which was accomplished by quickly, completing the infrastructure upgrade.

Solutions and Benefits

As a result of the preliminary assessment of the joint project by ZyXEL Premium Solution Partner Dosbil Computer and local service provider Söktel Telekom, the decision was made to share Internet access over a mainframe with DSLAM devices. Internet access would be distributed over the existing telephone network to all rooms and public areas via wireless access points.

The IES-5106 5-slot 216-port Mainframe MSAN/DSLAM main access device developed by ZyXEL for the professional telecom sector was used to provide connections over the telephone lines of the existing switchboard. ZyXEL IP DSLAMs make it possible to establish common Internet access systems in a wide range of settings, like hotels, holiday resorts, and industrial sites, as well as sites located on open areas, blocks, and university campuses.

The IES-5106 can provide service for up to 360 ports and has powerful Web-based management features. With a DSLAM device that allows the use of existing telephone lines, ADSL signals can now be distributed to all rooms and public areas.

The wireless Internet signal to the hotel's 200 rooms was delivered via P-660HN-T1A 802.11n ADSL2+ wireless access points. Guests could now connect to the Internet easily at all points with their mobile devices and computers over the wireless APs.

Tusan Beach Hotel general manager Emre Hurda indicated that the hotel has improved guest satisfaction to the highest level with this investment.

ZyXEL channel project sales manager Erdem Timur Koca pointed out that managing costs and ensuring customer satisfaction are priorities in all projects, adding: "Since DSLAM uses the existing telephone infrastructure, significant financial savings were achieved, as there were no extra cabling costs and labor."

Product Used



IES-5106 5U 6-slot Chassis MSAN

- Gigabit backplane support to provide non-blocking traffic for optimized IPTV performance
- Power Redundancy support to ensure services stability
- Hot-swappable design on line cards and fan module to increase reliability while extend Mean Time Between Failure (MTBF) value to expand life span
- Comprehensive QoS to enhance triple play users' experience (SR, WRR)
- Field proven IGMP v1, v2 snooping and proxy for IPTV deployment (1024 Multicast Groups)



P-660HN-T1A 802.11n Wireless ADSL2+ 4-port Gateway

- 802.11n AP function built-in (1x1)
- Standard based WPS for easy and secure WLAN establishment
- Robust SPI firewall protection
- Effective bandwidth management for 3-play applications
- Remote provisioning, management through TR-069

About ZyXEL Communications

ZyXEL Communications Corp., founded in 1989 and headquartered in Taiwan, is the leading provider of complete broadband access solutions. As one of the early modem manufacturers, ZyXEL has gone through transformations in the fast-paced networking industry. Delivering cutting-edge communications innovations to more than 400,000 businesses and more than 100 million consumers throughout the world, today ZyXEL is one of the few companies in the world capable of offering complete networking solutions for Telcos, small to medium-sized businesses, and digital home users for a wide range of deployment scenarios. Telco solutions include Central Office Equipment, Customer Premise Equipment, Wired and Wireless Access Network Devices, and Carrier Switches. SMB and Enterprise solutions include Unified Security Gateways, LAN Switches, WLAN, and IP Telephony. Digital Home solutions include Network Connectivity Devices and Multimedia Solutions.

The company has 1000 employees and distributors in 70 countries, reaching more than 150 regional markets. The ZyXEL Communications Corp. includes 35 subsidiaries and sales offices and two research and development centers worldwide. For more information, visit the company's Website, <http://www.zyxel.com>.

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