



Success Story

Slovakian Spa Receives Network Rejuvenation with Zyxel Wireless Solution



Hospitality

INDUSTRY



Dudince Spa

CUSTOMER



COUNTRY

Slovakia



SOLUTIONS

Zyxel
Wireless
Solution

Overview

Challenges

- Expansive spa complex makes coverage difficult
- WiFi must be able to handle considerable bandwidth needs
- Network should be easy to set up and manage

Solutions

- Zyxel Wireless Solution

Results

- Delivered fast, intelligent connectivity for staff and guests
- Single management interface allows for straightforward deployment and configuration
- Advanced firewall keeps network secure

Background

The Slovakian city of Dudince is known for its restorative, mineral-rich waters that are widely thought to be able to treat numerous diseases and disorders. Kúpele Dudince, a development company, has taken advantage of this rejuvenating natural resource by establishing a spa complex comprised of two treatment houses and a four-star hotel.

Challenges

Although the team at Dudince Spa has always had confidence in its ability to meet the physical needs of its guests, it had doubts about its WiFi capability. In addition to wanting sufficient wireless coverage for the entirety of the resort, the spa desired a reliable, secure, and easy-to-manage network. In order to plan and deploy the infrastructure necessary to create this network, the company enlisted the services of TSA Group, a longtime Zyxel partner.

Solutions and Benefits

TSA Group first wanted to ensure that the elaborate network setup would remain stable and secure. This was accomplished by deploying Zyxel's **USG210 Unified Security Gateway** for small- and medium-sized businesses. In addition to protecting the entire network with its powerful UTM tools, the firewall can track and analyze the internet traffic of individual users and has a built-in WLAN controller for centralized AP management and scalability.

The **NXC2500 Wireless LAN Controller** was chosen for its ability to provide adaptive and resilient WiFi deployment. Essential for the planning, monitoring, and maintenance of access points, the device is an all-in-one management solution. Within its intuitive interface, administrators can also grant internet access and set up parameters for use.

The popular resort boasts comprehensive medical consultation, 70 curative and relaxation procedures, and access to the area's famous water. It also has a kitchen and canteen, sports and fitness rooms, a Thai massage center, and myriad other amenities to guarantee one's visit is a memorable one.



In order to provide sufficient coverage, the technicians installed three dozen **NWA5123-AC access points** throughout the resort's expansive property. The APs, which support the 802.11ac standard, are ideal for delivering fast, intelligent data transfers in high-density environments such as hotels or campuses. The devices were powered by the agile **GS2210-8HP Gigabit L2 PoE switch**, allowing for simplified deployment and more effective management of network traffic.

Dudince spa now has a network that's able to provide fast, secure, and reliable wireless connectivity to a large number of client devices. While enjoying the revitalizing waters of the spa, guests can also take pleasure in the benefits of a reinvigorated wireless network.

Products Used

USG210 • Unified Security Gateway



- High-performance, high-value Next Generation Firewall (NGFW) for small and medium-sized businesses
- Anti-malware protection with firewall, anti-virus, antispam, content filtering, IDP, next-generation application intelligence and SSL inspection
- Robust SSL, IPSec and L2TP over IPSec VPN connectivity and VPN high availability (HA)
- Built-in WLAN controller for centralized AP management and effortless WLAN scalability of up to 18 Aps
- Comprehensive mobile broadband USB modem compatibility and multi-WAN load-balancing, failover and fall back support
- ZyXel One Network is supported

GS2210-8HP • 8-Port Gigabit L2 PoE Switch



- High power budget of 180 W
- 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

NXC2500 • Wireless LAN Controller



- Auto provisioning and centralized management of up to 64 APs*
- ZyXel Wireless Optimizer for easy planning, deployment, and maintenance
- Advanced ZyMesh technology for simplified AP deployment and WLAN extension
- Enhanced RF management with auto healing
- Flexible traffic forwarding with tunnel and distributed modes
- Comprehensive guest network management and granular access control

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

NWA5123-AC • 802.11ac Dual-Radio Unified Access Point



- Ceiling- and wall-mountable design with optimized RF performance
- 2-in-1 standalone/managed AP design
- CAPWAP management supported
- Enterprise-class 2x2 802.11ac AP supports combined data rates of up to 1,200 Mbps
- Simple, speedy deployment with APFlex™ and ZyXel One Network utilities

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.

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