



Success Story

Spanish Hotel Connects Guests to Sand, Sun, and Stable WiFi



Hospitality



Hilton Garden
Inn Málaga



Spain



Zyxel wired
& wireless
solution

Overview

Challenges

- Upgrade hotel network to handle 200+ guests
- Provide reliable connectivity throughout facility

Benefits

- Guests enjoy stable connectivity in every area of the hotel
- Easy centralized management of the network
- PoE+ switches offer flexibility without additional wiring
- Excellent support and service

Solutions

Zyxel Wired and Wireless Solution

Background

Founded in 2015, the Hilton Garden Inn Malaga Hotel is a four-star hotel located in Malaga, Spain, that is member of the Hilton Worldwide brand. The Hilton Garden Inn Malaga Hotel features five floors and 50 guest rooms. Amenities include free WiFi, a flexible event space for up to 250 guests, and a 24-hour business center. The hotel is situated next to the Puerta Blanca underground station, five miles away from Malaga Airport. This modern hotel offers an outdoor swimming pool surrounded by a sun terrace and lounges. The hotel's proximity to Costa del Sol's beautiful beaches makes it a popular destination for both business and pleasure.



Challenges

The hotel's legacy network infrastructure was not able to adequately meet the needs of 200 or more guests, which often resulted in issues with connectivity and an overall bad WiFi experiences for both staff and guests. Today's connected travelers prefer reading reviews on travel forums when planning trips and booking hotels online. To them, reliable high-speed WiFi service is one of the most important factors when choosing a hotel. The Hilton Garden Inn Malaga Hotel can't afford to let unreliable network connectivity tarnish a guest's holiday experience, so management decided to seek stable Internet infrastructure to reach every corner of the hotel

with high-quality access and service consistent with guest expectations and demands.

Zyxel Iberia has focused on tourist sector in Spain to meet increasing demand for wired and wireless network solutions that offer the best service to the millions of tourists who visit the country annually. With more travelers bringing their connected devices on holiday, the tourism sector, the main driver of the Spanish economy, is making an important commitment to develop the necessary infrastructure to provide top-notch networking service.

Solutions and Benefits

The hotel engaged the services of ZyPartners the Berdin Group and Telmedia to assist with the installation and infrastructure redesign, with the aim of offering the best service quality and accessibility throughout the hotel. The Berdin Group replaced the previous WLAN network with a redesigned wireless infrastructure based on a wireless controller, access points, and PoE+ switches. Telmedia was responsible for installing, configuring, and launching the complete wireless solution, which was achieved in record time without any complications.

The Zyxel hospitality solution enables optimization of the hotel's wireless network via an AP controller with captive portal, NXC2500 WLAN controller, NWA5123-AC 802.11ac dual-radio unified access points, and GS1920-24HP 24-port gigabit smart managed PoE switches.

Zyxel provided advanced support for WiFi configuration designed specifically for hotels and educational facilities, as well as an added focus on the unique needs of the Spanish market.

Products Used

NXC2500 • Wireless LAN Controller



- Auto provisioning and centralized management of up to 64* APs
- ZyXel Wireless Optimizer for easily 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

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

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



- Ceiling- and wall-mount 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 1200 Mbps
- APFlex™ and ZyXel One Network utilities make deployment simple and fast

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



- Easy to manage rich L2 features with user-friendly Web browser-based management GUI
- Supports PoE+ standard to offer 30 W per port and a high PoE power budget of 375 W
- Provides up to 28 Gigabit copper ports to future-proof your network for growth
- Supports ZON Utility and Smart Connect to simplify network management and maintenance

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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