OVERVIEW

Being one of its kind in the residential area of Lioret de Mar, Evenia Olympic Resort is a large hotel complex, with more than 30,000 m², consisting of four 4 star hotels where all manner of events can be arranged.

EVENIA HOTELS

REQUIREMENTS

- Differentiated services and policy enforcement for users based on roles: top, free, and employee
- Centralized AP management for easily monitoring the status of distributed APs
- Seamless and fast roaming between individual access points to ensure uninterrupted Wi-Fi experience
- Vendor-agnostic equipment to be integrated with existing network infrastructure

SOLUTION

The following were deployed across the Evenia Olympic Resort properties:
- **WHG711** Wireless LAN Controller
- **EAP110, EAP260, EAP717, EAP767** Wireless Access Point
- **WTG** Wireless Ticket Generator

BENEFITS

- Bandwidth control ensuring that network bandwidth is not consumed entirely by individual clients
- Separate authentication databases and policies for employee and guest accounts
- Quick account generation and ticket printing with the Hotspot Ticketing System
- Extensive logging and reporting features for security and troubleshooting purposes

EXCELLENT BEACHES & WI-FI AT THE EVENIA OLYMPIC RESORT

Ideally located near the beautiful beaches and city center of Lloret de Mar on the Costa Brava, the award winning Evenia Olympic Resort shines as an one-of-a-kind 4 star hotel complex. Covering more than 30,000 m², including swimming pools, restaurants, bars, gardens, etc., the Evenia Olympic Resort is also a popular place for hosting various types of events. Evidently, the hotel staff is dedicated to providing their guests with the best possible quality of service. However, they perceived delivering high quality of service to be a challenge without the availability of a reliable wireless network.

Due to the vast scale of the property, the primary issues faced by the Evenia Olympic Resort were to provide sustained Wi-Fi coverage, and being able to manage access points (APs) and user access. According to the IT team, the soon to be upgraded Wi-Fi infrastructure was to meet several fundamental requirements. First, the APs needed to support fast roaming to avoid interrupted connections and repetitive user logins. Second, to manage the wireless network and minimize maintenance effort, the IT team deemed it essential to have a central platform to set up, monitor, and maintain the APs. Third, the resort wished to set up tiered user accounts – guests, VIP guests, and employees – and assign different access rights and network QoS policies based on these roles. Since there were APs from other vendors present in the existing wireless network that the hotel wanted to keep, the updated wireless network infrastructure needed to be vendor agnostic, integrating these third party APs.

After comprehensively evaluating several competing WLAN solutions, the Evenia Olympic Resort found that 4ipnet's WLAN solution proposed by WifiSafe best fulfilled their needs. The IT team decided to deploy the WHG711 controller, which integrated "user authentication", "policy assignment", "traffic shaping", and "centralized WLAN management" into one box. For the access points, the resort selected various models to fit different environments and usage scenarios. For example, the EAP260 was used in the common areas, while the EAP717 for the guest rooms. Since event hosting was one of the resort's important services, the EAP767 was the perfect choice for the meeting rooms. The EAP767 is a three-stream 11ac AP designed to support up to 1.75 Gbps aggregate throughput and 384 concurrent clients. Furthermore, 4ipnet APs support features such as Multicast to Unicast conversion, Layer 2 Firewall, and Optimal Client Filtering, all of which ensured a smooth and uninterrupted multimedia experience. Finally, the hotel utilized the WTG ticket generator to quickly generate Wi-Fi accounts and print the credentials for the guests.

After the deployment, the resort successfully hosted numerous large-scale events, such as the TBEX EU 2015, which had over 1000 attendees. With 4ipnet's solution, the resort was able to provide reliable Wi-Fi coverage throughout the entire resort premises, while centrally managing the entire network through a single interface. All the hotel guests and event attendees were able to enjoy high-performance and uninterrupted Wi-Fi, allowing the Evenia Olympic Resort to keep their commitment of providing excellent service for their guests.