![TP-Link logo]

TP-Link Creates a WIFI coverage For Armor hotel's new branch

❤ CUSTOMER DATA

Name: El Armor hotel

Sector: Hospitality

Capacity: 200 employees -146 guest rooms

Location: Egypt, Cairo, Nasr City

Year of project: June 2017

❤ BACKGROUND

The El Armor Hotel was established in 1986, as one of the best 5-star hotels in Cairo. Over the years, El Armor Hotel has grown its footprint in Egypt and recently added one new hotel branch which accommodates guests for business and leisure, offering 146 guests rooms, and accommodation amenities for business meetings, wedding, family vacations and international tourists. The new hotel is located at the center of Nasr city, conveniently connected to Cairo International Stadium, Baroon Palace, and Cairo land of exhibition. The hotel features a 24-hour reception, a comfy bar and restaurant, kid garden, gym and a swimming pool.

❤ CHALLENGE

With internet connectivity and Wi-Fi access a much needed service for hotel guests, El Armor Hotel was looking for solution that would help it to provide reliable, efficient and stable WiFi access to its guest. As a 5-star and leading hotel, El Armor Hotel wanted to provide the best service. The scope of the project covered one floor for the reception area of the hotel, one floor for the café and restaurant area, four floors offering 146 guest rooms with Internet connectivity and Wi-Fi access extended to cover the swimming pool, gym and other common areas in the hotel.

• Coverage

The wireless network must provide good coverage for the entire accommodation, including swimming pools, outside café restaurant and gym. Walls should not prevent the penetration of the signal.

• Reliability

The wireless connection must be stable and reliable, give good using experience for customers.

• Capacity

Sufficient bandwidth and 2.4 & 5GHz should be provided by the wireless network to all customers and employees with fast internet connectivity in hotel.

• Cost-effective devices

Over 50 devices have to be installed on the location, thus affordability is an important criteria for selection.

❤ SOLUTION

After consultations, scoping and designing how the project would be implemented, TP-Link and its partner in Egypt deployed 39 units of the EAP220, Dual Band N600 Wireless Gigabit Ceiling Mount Access Points.

The EAP220 have an easy mounting design, powerful hardware and provide efficient guest authentication.
The hotel has four ISP lines, it was critical that it deploys one load balance router.

After consultations with the TP-Link technical team, it was recommended that El Armor ER5120, Gigabit Load Balance Broadband Router was also installed. The TL-ER5120 provides excellent data processing capabilities and multiple powerful functions including load balance, access control, bandwidth control, and session limit, key functions which meet the needs of hotels with large volumes of users demanding an efficient and easy-to-manage wireless network with high security.

Given that El Armor Hotel is already built and functioning, the main challenge when implementing the project was the fact that the design of the building didn't have any provisions from its original designs for Wi-Fi cabling. This presented a huge challenge in that the hotel management had requested a cost-effective solution and needed to finish the installation and configuration fast.
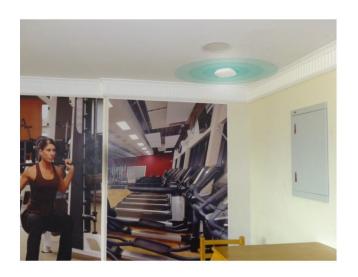

TP-Link and its partner team tried different backup solutions and finally got a breakthrough and found a proper cabling way to overcome the design Wi-Fi provision issues. The implementation team selected the TL-SG1005D to add EAPs on all the
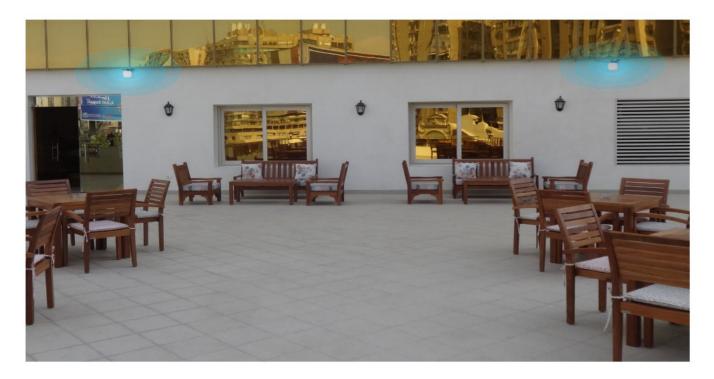
floors of the hotel including the swimming pool, café and restaurant and it works very well.

❖ BUSINESS RESULTS

The deployment of TP-Link's EAP220 Dual Band N600 Wireless Gigabit Ceiling Mount Access Points have performed well in both 2.4 GHz and 5 GHz without any issues. The strong and stable Wi-Fi coverage throughout hotel has made hotel guests and other hotel visitors to be satisfied with the services El Armor is offering adding more enjoyment to their stay or visits. In addition, the centralized Wi-Fi management controller allows the networking administrator to manage and monitor the entire wireless network effortlessly and efficient without having to deploy any additional resources.

While internet vouchers are commonly used by hotels to provide guests and hotel visitors limited Internet and Wi-Fi access, El Armor Hotel was surprised that such techniques can be used in the software controller deployed with this project. The TP-Link technical team conducted a survey and where on hand to answer any technical questions related to the project or anyother issues which El Armor Hotel management found to be helpful. TP-Link team's quick response and support gives the team guaranteed confidence and customer satisfaction.