



Long Range, High Power Wireless Access Points Provide Internet Access to Guests of Large Luxury Resort

EnGenius Technologies Business Class Outdoor Wireless N150 and N300 Access Points Provide High Speed Internet Access Across Three Hotels.

MS Tech Solutions

MS Tech Solutions is a telecommunications company based in Kingston, Jamaica that operates in the Caribbean and South America. MS Tech designs, implements, configures and integrates Network, Security, IP Contact Center Solutions, as well as IPT and Wireless Solutions. The MS Tech Consulting Team consists of certified and experienced professionals that have been behind the design and implementation of highly sophisticated networks. MS Tech Solutions relies on its dedicated team of experts that have the knowledge and experience required to guarantee the success of a complete telecommunication solution.

The Client: Iberostar Hotel and Resorts (Rose Hall, Montego Bay, Jamaica)



Iberostar Hotels & Resorts currently offers over one hundred 4 and 5-star hotels in sixteen nations. In Jamaica, the chain has three 5-star resorts on a property in the north coastal city of Montego Bay. The Iberostar Grand Hotel Rose Hall, Iberostar Rose Hall Beach hotel, and Iberostar Rose Hall Suites hotel provide a total of 1342 guest rooms.

The Need: Expansion of Wireless Internet Service across Three-Hotel Campus

The Iberostar brand prides itself on being synonymous with quality, providing impeccable service and personal attention to guarantee total guest satisfaction. With wireless connectivity available only in the hotel lobbies, the hotels found they were fielding many complaints from guests about the out-dated plug-in internet connection in rooms and complete lack of internet access in outdoor areas. In keeping with their wish to satisfy guests and the growing variety of devices they now carry on overseas trips they engaged MS Tech to provide a cost-effective expansion to their wireless network to cover all guest rooms and pool and beach areas. They also wanted improvement in the coverage in the lobby areas.



The Solution: Engenius High-Powered, Long-Range ENS200EXT and ENS202EXT Access Points



The flexible IP-based Tropos Mesh Architecture was employed and central management was to be executed by utilizing the Nomadix AG 5600 Access Gateway, offering a full suite of intelligent and secure solutions with the widest range of network applications for the hotel's need to support hundreds of simultaneous guest and administrative users.

EnGenius products were selected for both their cost and capabilities. To ensure a wireless network that delivered complete and uninterrupted coverage throughout all of the outdoor and public areas MS Tech decided to deploy the ENS202EXT with its two External 5 dBi Omni-Directional Antenna that maximize wireless connectivity. The ENS202EXT's 300Mbps Wireless Speed allowed for accommodation of the large number of guests in these areas. The IP65 rated weather-proof housing was beneficial in the tropical climate as it ensures continued operation in harsh outdoor environments or in climates of extreme cold, heat or continuous moisture.

Outdoor access points were used indoors as well as they would provide stronger signals and better coverage in the concrete walled rooms. Also, the IP65 rated weather-proof housing was ideal for the high traffic, damage prone situation of a hotel room as well as the constantly changing environmental whims of each new guest.

For the total three-hotel project MS Tech used the ENS200EXT access points in all guest rooms. One ENS200EXT was also installed in the lobbies of The Grand and Suites hotels each as well as the theatre of the Suites hotel. Two ENS202EXT access points were installed to cover the pool and beach areas of the each hotel with a third installed in repeater mode. The ENS202EXT were used to provide coverage in the large lobby of the Beach Hotel.



The Results: Wireless Internet Access in all Guest Rooms and Outdoor Areas

At present the installation of EnGenius access points is complete for both the Grand Hotel and the Suites Hotel. By end of November 2013 EnGenius access points will be installed in all 3 hotels, encompassing 1299 guest rooms, 3 lobbies and 3 pool and beach areas. The network infrastructure and EnGenius wireless access points installed by MS Tech will provide guests with reliable wireless internet throughout all three hotels, whether relaxing in their rooms, working in lobby or lounging by the pool.

The long range, fast speed and competitive pricing of EnGenius Access Points allowed MS Tech to provide Iberostar Rose Hall with a cost-effective, high-performance wireless internet solution.