

Case Study Quality Inn, Rochester NY



Quality Inn Rochester Airport

The Quality Inn is a 155 room hotel in Rochester, NY near the Greater Rochester International Airport (ROC) and Downtown Rochester. Recently refurbished, the hotel is conveniently close to numerous colleges and universities, including University of Rochester and Rochester Institute of Technology – RIT.

Networking Challenges

The Quality Inn customers were constantly complaining of inadequate WiFi service that was being delivered via contract with the local service provider. The solution was set up to provide WiFi via 802.11 B, G access points located in the hallways. As the demand for WiFi and Internet access skyrocketed, the solution became grossly inadequate with very high monthly service charges. In addition to the older devices, the layout and construction of the property warranted a different approach.

Why Wi3 Inc?

The Quality Inn, well aware of the “Loyalty” hit they were taking as a consequence of their nearly non-existent WiFi service, was very receptive to Wi3’s proposal. Wi3’s MoCA2.0 proposal was over 30% lower than the incumbent service provider’s due to the MoCA advantage of using the existing coax network. Installation was not only quick but was completed with no disruption in room availability. The basic network architecture included an MDF Enclosure at the main distribution point and IDF Enclosures servicing corresponding floors and hallways. Distribution of multiple Access Points throughout the hotel with AP’s installed within the guests rooms, allowed Wi3 to deliver very robust, uniform and reliable WiFi coverage throughout the property. The MoCA2.0 Wi3 solution was totally compatible with the hotel’s upgrade to HDTV service.

The Deployment

- (1) Main Distribution Frame (MDF) Enclosure equipped to bridge Ethernet onto the coax network and distribute the Ethernet to IDFs
- (3) Intermediate Distribution Frames in telecom “closets” throughout the hotel. Each IDF distributes the Ethernet signal via MoCA2.0, over Coax, to Wi3 WiP7500 802.11ac Access Points throughout the property
- (44) WiP7500 802.11ac Access Points, concurrent Dual Band 2.4GHz and 5GHz, MoCA2.0
- Radius Gateway to remotely manage and monitor access points as well as provide landing page and security

Results

- Remote monitoring of all devices and visibility to bandwidth usage
- Consistent High Speed WiFi at every location ensuring high guest ratings
- Smooth and quick installation with no need to take rooms off-line
- Considerable month to month savings compared to previous years and other competitive bids