



OHIO MESH TECHNOLOGIES, 1-877-849-6374

“connecting our world efficiently”



Firetide Wireless Mesh Networks-Surveillance, Security & WiFi



Organization

**Ohio Mesh Technologies,
Firetide Wireless Premier Partner**

Industry

Hospitality

Challenge

Provide WiFi service to all hotel rooms in a hotel built out of 14” thick block wall and only outside entrances to each hotel room. In other words, no internal hallways. Also, this Inn is comprised of 3 separate buildings (which includes a separate lobby building) with only 1 storage room for internet access which is located in one of the interior buildings.

Solution

Firetide Access Points with the proper high gain antenna selection positioned in strategic locations to ensure that the WiFi signal would enter each room through the windows and doors. This allowed the Ohio Mesh Engineering Team to install only 4 Access Points to deliver WiFi to all rooms.

DAYS INN BOWLING GREEN

Successfully provides WiFi for all of its Guests.

The Days Inn Bowling Green General Manager, Mr. Kelly Kado, was frustrated and concerned about providing his guests with quality WiFi, a guest amenity that is required by his franchise and that makes his hotel competitive. Also, the cost of **“Wired Internet to each room would be cost prohibitive”** as this Inn did not have wired internet in the rooms.

Mr. Kado received a mailer from Ohio Mesh Technologies along with a “Case Study” for a Travelodge Installation and called the Ohio Mesh Team for information. Mr. Kado then met with the Ohio Mesh Technologies team to learn about the Firetide Product, options in signal delivery and basic RF facts.

After the initial meeting and site survey conducted by the Ohio Mesh Team, Mr. Kado was convinced that Ohio Mesh had the best solution and contracted Ohio Mesh to install WiFi for his Days Inn.

Ohio Mesh Technologies initially proposed just 3 Access Points with high gain antennas positioned strategically to deliver the best signal possible under these conditions. All rooms surrounded a courtyard and pool area with the window side of the room facing this area. Ohio Mesh selected this internal area of the property as the best location for antenna placement.

WiFi for the Hospitality Market



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Antenna selection was critical in this solution as there were no poles, rooftops, structures, etc. to mount the antennas and the Access Points still had to be connected to the internet drop located in a storage room which was located on the interior facing the courtyard.

The Ohio Mesh Team selected a mix of antennas with various degrees of wave angle to ensure coverage to all rooms throughout the interior of the courtyard via large windows in each room.

A real challenge were 2 rooms hidden by the building structures that did not have windows facing the inner courtyard. The Ohio Mesh Team selected antennas that would direct the signal to the rooms next door and radiate through the window of those rooms then through the walls to reach these hidden rooms.

A total of 8 antennas were positioned strategically to send the WiFi signal to different segments of the buildings without interference between antennas.

With careful adjustment the Ohio Mesh Engineering Team was able to successfully reach all rooms on the interior courtyard, the rooms hidden by the buildings, and the lobby, which was a completely separate building located on the exterior of the courtyard and completely separated from the main portion of the Inn.



The True Test, once the installation was complete was to take a laptop computer into rooms located in different parts of the Inn and log onto the internet just as a guest would log on. The initial test did not give us complete coverage. The Ohio Mesh Team worked until 11:30 p.m. on the day of install and determined 1 more access point would be needed (the 4th) with 2 more antennas.

Success!! Finally with this additional access point and set of antennas success was achieved. All rooms, including the hidden rooms and the lobby were able to log on. By installing WiFi this Inn saved thousands of dollars over the alternative which was to wire every room for direct connect internet. **For more info call 1-877-849-6377.**



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