

## Case Study

# Access Point Solution Deployment



## About

Asset Developments started its journey in 1984, when the real estate market just began in Bangladesh. The company started with three buildings, one each in Dhanmondi, Gulshan and Uttara and has been growing ever since. Today, at any given point in time, the company has ongoing construction of around 90 buildings, mainly in Dhaka. It has already completed more than 5000 apartments. Asset Developments & Holdings Ltd has its own head office building at 91 Gulshan Avenue, employing more than 600 professionals, more than 1000 support staffs and around 5000 construction workers.

## Previous Scenario

Asset developments were using local Wi-Fi routers in their network previously where they were facing frequent roaming issue. Each of their router were standalone thus there were lots of maintenance issues. There was no central management system of their wi-fi network. As there are many employees in their office so, most of the time the network become overloaded and refused to connect new users.

Due to all these factors, Asset Developments & Holding Ltd. decided to adopt something more advanced which can make their Wi-Fi network fully automated and hassle free. Asset Developments & Holdings Ltd. communicated with Excel Technologies (Tier-1 Distributer in Bangladesh of Grandstream) for a suitable solution. Excel Technologies offered Grandstream Access Point solution to Asset Development.

## Requirements

- A central controlling system for their network that can be managed from anywhere.
- As the head office consists of more than 5000 sqf thus they asked for a device that covers large area.
- There are more than 500 users simultaneously using laptop & mobile phones.
- OTP for guest users and also promotional activities via the Access Points during connecting a client.
- For better security, MAC binding needs to be included..
- Ensure smooth roaming.

## Offered Solution

We offered **GWN7610** for indoor section and **GWN7600LR** for their lobby. We provide 2 devices in each floor and one single **GWN7600LR** is provided on their lobby. We configured **GWN Cloud** for cloud-based maintenance of their system. Captive portal is also configured for their convenience.



**GWN7610**



**GWN7600LR**



**GWN Cloud**

## Outcome

After deploying Grandstream Access Point, Asset developments can manage their Wi-Fi network centrally from anywhere. Thanks to the GWN cloud, a comprehensive and user-friendly cloud platform of Grandstream. Expanded coverage range of up to 175 meters of GWN7610 helps to manage each floor by only two devices. 450+ User capacity of each AP helped to manage all the concurrent users of Asset Developments.

Grandstream AP's Captive Portal feature meets the requirement of OTP and promotional activities which have been achieved easily. Grandstream AP allows MAC binding feature thus the security of their network is maintained appropriately. Due to the presence of the central controller and option to define RSSI value in Grandstream AP, makes the roaming smoother and faster.

Overall feedback of Wi-Fi client has become positive and their productivity drastically increased.