



HotSpot (Wi-Fi) Solution

TECHNICAL INFO

Description

A HotSpot is any location where Wi-Fi broadband network access is made publicly available through a WLAN. HotSpots are often located in heavily populated places and typically have a short range of access. Another definition we can use for HotSpot is a spot where broadband access (Internet) is shared in a wireless way employing Wi-Fi technology. HotSpots are often found at restaurants, train stations, airports, libraries, coffee shops, bookstores, fuel stations, department stores, supermarkets and other public places. Many universities and schools have wireless networks in their campus.

Technically speaking, HotSpots consist of one or several wireless access points installed inside buildings and/or adjoining outdoor areas. These APs are typically networked to printers and/or a shared high-speed Internet connection. Some HotSpots require special application software to be installed on the Wi-Fi client, primarily for billing and security purposes, but others require no configuration other than knowledge of the network name (SSID).

The idea of a HotSpot was born with the purpose to provide free Internet service, but because of the high demand of this service, commercial HotSpots were created, which have a billing system, user authentication and captive portals. This will generate a business opportunity in open spots such as hotels or malls where internet browsing passes through a stage of pre-registration, where the user is authenticated by the wireless device or dedicated servers.

Then timing period begins as it may allow the user to be connected under a limit of time or indefinitely. The period of billing is generated in the system that rules the Access Points, which generate labels with the respective names of the persons using the service.

Netkrom Access Points are an excellent choice for wireless hotspots to securely provide private or public network and broadband Internet access. For corporate users, hotspot access removes the time and cost associated with manual guest access setup for visitors and for public service providers. Netkrom provides a cost effective route to quickly establish a hotspot service, wherever they wish.



Public access
to a broadband
wireless network.

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Applications

A HotSpot solution can be found in many places, where internet connectivity is given at any place and at any time:

- Hotels.
- Malls.
- University Campus.
- Public Squares.

Benefits

Netkrom portfolio offers the following benefits when using this solution:

- Provide Internet access for costumers.
- Have zones where Internet Service can be given.
- Easy and fast deployment.
- Cost effective solution.
- Increase end-user experience.

Solution Diagram

