



Audience

- WISP Operators
- Municipalities
- Hotzone Operators

SmartCity® Framework

- Computer Resources
- Fundamental Servers
- Client Software
- Operational Services

SmartCity® Wireless

- High Quality
- Performance
- All-In-One Device
- NMS Software

SmartCity® Alliances

- HellasSat
- IBM/Cisco
- HP
- Antcor
- Local Partners

Fundamental Servers

- Distributed Operation
- Operation Domains

- > 5000 Users
- 24x7 Operation
- No Back Office
- Unique Payment Method

iCard – Payment Method

- International Operation
- Customizable
- Any Currency
- Any Price

SmartCity® Applications

- Internet Access
- PIA-PayKiosk
- PIA-InfoView
- PIA-NetSpooler
- PIA-HotSpotVPN
- Remote Control
- Pocket ERP
- OpenHire
- MissionMode
- Security Monitoring
- Document Management
- OpinionWare
- Business Webcam
- Enterprise Chat & IM
- Custom Browser
- Surf Control
- Cisco IP Telephony

Introduction

SmartCity Wrap devices can be easily configured to provide hotspot services in public places through the SmartCity HotSpot module. System administrators will be able to configure hotspot zones within larger municipality networks with ease and flexibility in either mesh network or conventional wireless coverage. The unique ability of the SmartCity environment to provide a global management environment will integrate the hotspot services and offer the tools for immediate efficiency.



SmartCity HotSpot Architecture

A hotspot zone may cover an open place like a railway station, airport, hotel or a marina for occasional users who require a quick and transparent access to the Internet.

Mesh Network. SmartCity Wrap devices, when configured in a mesh network will cover large distances bringing the wireless signal to the ultimate corners of the area without any cables.

Conventional WiFi Network. The same SmartCity Wrap devices may be configured to cover places like hotels or convention/conference centers where there is already a cable infrastructure.

The architecture flexibility provided by SmartCity hotspot will fit to any type of area and will allow system administrators to construct a uniform environment.

Authentication Methods

iCard. The iCard is a prepaid-card payment method, integrated to the SmartCity environment designed for immediate efficiency. The card is provided in TimeValue and Subscription flavors and system administrators will be able to distribute the cards directly or have the users purchase the cards directly online using their Credit Card or PayPal account. The iCard comes with a web-based interface that will allow system administrators to get complete usage reports and immediately use a system without the hassle of separate authentication system.

Advanced Features

MAC-Based Redirection. Client devices will be connected to the network without any IP configuration changes. Full Plug&Play support for all IP devices regardless of Email client or Web proxy configuration settings.

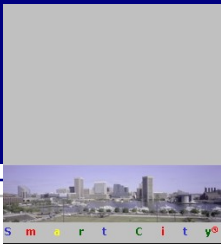
Walled Garden. A list of free web sites or IP addresses that a user can access without having performed authentication.

Advertisement. The list of URLs that a hotspot user will be redirected to, after having been authenticated successfully.

Logon Customization. The user login page can be customized according to the administrator's needs: Brand Name, Text, Color, Image etc..

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Questions & Answers

How the SmartCity HotSpot module integrates to the overall SmartCity architecture?

The SmartCity HotSpot module integrates transparently to the SmartCity architecture without any additional configuration changes. User administrators will be able to configure the SmartCity Wrap devices for hotspot services in CPE or Access Point installations.

How many users can be connected simultaneously?

The number of total connected users is managed by the SmartCity package. Distributed installations will start from 200 connected users and centralized installation will support up to 16'000 connections.

What are the features included to the SmartCity HotSpot?

MAC-based rerouting, Walled Garden, SMTP redirection, Web-proxy redirection, Centralized user management, Reporting, User isolation, WebHeader integration, Web Filtering integration, Unlimited number of hotspots.

How many hotspots can be handled by a single SmartCity network?

There is no limit to the number of hotspots handled by a single SmartCity network. The number of connected users is limited by the SmartCity package.

What is the management interface for the SmartCity hotspots?

The management interface is the same one used for the global SmartCity network. The user authentication interface will depend on the system used.

Do you support 3rd-party hotspot solutions?

Yes. The SmartCity network will support any 3rd-party hotspot solutions. The major advantage of the SmartCity Hotspot solution is the ability to manage the service centrally without installing Hotspot devices and software to every location: hotel, stadium, conference centre, etc..

Can I have only a certain number of WiFi zones equipped with Hotspot features?

Yes. This is possible in the Distributed package. Every single WiFi zone may be equipped with a Hotspot module. Centralized installations will provide global hotspot services.

How can I use my own authentication methods?

You can use any type of customized authentication methods using the Registration Server module (optional).

Can I have a customer with a separate network for his guests with hotspot services?

Yes. In this case you will use a SmartCity CPE with 2 LAN interfaces. The 1st LAN interface will provide free access to the customer administration and the 2nd LAN interface will provide hotspot services to the guest network. The customer's network is completely protected.

Can I have my own hotspot card printed?

Yes. Every location may have its own hotspot card with its own name and pricing.

Can individual users have access to their card usage?

Yes. The system provides an interface that will provide detailed information on a hotspot card usage.

What is the minimum requirement for a customer to provide hotspot services?

The minimum requirement is a SmartCity CPE installation.