

# Self-service Kiosks - for Smart Cities

**Touchscreen tablet**

**Digital display for Information**

**Integrated lighting**

**24/7 Wi-Fi & mobile charging**

**Free phone calls within U.S.**

# Case Study

## Executive Summary

The objective of smart cities is to improve the quality of life of city-dwellers; enhance the efficiency and competitiveness of the economy and move towards the sustainability of cities by improving resource efficiency. Our client, as a key contributor to the Smart Cities initiative was looking for a solution to convert expensive real-estate being occupied by outdated pay-phones into productive applications with an aim to also provide quick access to public information, improve connectivity and generate additional revenues for the City. The client and eInfochips together conceptualized a comprehensive solution featuring a Kiosk and a touchscreen tablet that can act as a signage to display ads, and as a Wi-Fi hotspot, an interactive city guide and a phone to place audio and video calls all across the US.

eInfochips also helped the client transform the concept into an actual product by providing engineering services to develop custom hardware and software. eInfochips, being a licensee of Snapdragon Processor, was able to kick-start the product development leveraging its existing Qualcomm® Snapdragon™ based single board computer.

## Client Profile

The client manufactures a wide array of standard and custom, high-performance computer solutions for different end applications including industrial workstations, panel mount displays & PCs, military grade systems and custom kiosks.

## Business Challenge

The client was looking for a solution to convert expensive real-estate being occupied by outdated pay-phones into productive, multipurpose gadgets that can provide:

- City wide Wi-Fi Connectivity solution
- Quick access to Public Information
- Enable free calling
- Generate a new revenue stream for the city

## Solution

eInfochips is helping in design and development of a comprehensive smart kiosk solution leveraging its Snapdragon 600 based Eragon Single Board Computer (SBC). The solution featured:

- Large LED Display for continuous playback of Advertisement and Public announcements
- **Wi-Fi connectivity** to create **public hotspots** and for placing Audio / Video calls
- Integrated **street lighting**
- **Charging station for mobile devices**
- Sensor integration for future functionalities
- Interactive Tablet for quick access to city information and tourist guides

## Client Benefits



The client was looking for a solution to optimize the usage of real estate occupied by the legacy pay phones and generate a revenue stream for the city. eInfochips product will be deployed across the city to generate millions of dollars worth of additional revenues through advertisements.

*“It was a real innovative idea to transform obsolete pay-phones into a smart, multi-feature Kiosk to optimize usage of real-estate”*

## About eInfochips

eInfochips is a global technology firm specializing in Product Engineering R&D services. The company is recognized for technology leadership by Gartner, Frost & Sullivan, NASSCOM and Zinnov. eInfochips has contributed to 500+ products for top global companies, with more than 10 million deployments across the world.

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