Smart Kiosks

Description

An interactive kiosk is a computer terminal featuring specialized hardware and software that provides access to information and applications for communication, commerce, entertainment, or education. They can be equipped with:

- Environmental sensors to measure weather conditions & air quality
- Travel directions
- Charging station
- 24/7 free gigabit encrypted WiFi
- 911 call button
- Gunshot-detection video cameras

Benefits

- Real-time traffic, weather, construction information
- Enhanced public safety
- Increased public awareness / exposure to public service announcements
- Hyperlocal information & economic development for local businesses

Financing / Costs

- Kansas City's kiosk installation: 25 kiosks,
- $16M total ($3.7M gov't, $12M private investment)
- Link NYC installation: 1,250 kiosks, ~$22.56M total (~ $12,900/kiosk & $5,150/kiosk for maintenance & other costs)
- Miami-Dade: 300 kiosks, $20M free of charge to the city (in exchange for ad space)

Source: Eric Bowers' Photoblog: "Smart Citypost Kiosks with KC Streetcar

Use Cases

- Link NYC (2014): https://www.link.nyc/
- Kansas City, MO (2016):http://kcmo.gov/smartcity/
- London (2018): https://techcrunch.com/2016/10/25/linknycs-free-wifi-and-phone-kiosks-hit-london-as-linkuk-in-partnership-with-bt/
- Toronto (2018): https://www.bloomberg.com/news/articles/2017-05-08/alphabet-s-sidewalk-labs-eyes-toronto-for-its-digital-city
- Miami-Dade County, FL (2018): http://www.miamiherald.com/news/local/community/miami-dade/article128882019.html
- Sydney: https://www.iothub.com.au/news/walk-down-sydneys-street-of-the-future-472954
- Philadephia: http://www.philly.com/philly/news/free-wifi-kiosks-come-with-cameras-critics-and-lessons-learned-20180328.html

Vendors*

- Imperial Multimedia
- Sidewalk Labs
- Qualcomm
- Civiq Smartscapes
- Cisco
- Sprint
- Verizon (purchased LQD WiFi in 2016)

List does not imply endorsement or ranking.