

The Backbone Of Smart City Technology

Solution Brief | Government



Smart Equipment for the Smart City

We provide the next generation wireless equipment to connect thousand of sensors deployed in Jurong Lake District to control and monitor almost everything from road traffic conditions to street cleanliness.

Application

High performance outdoor wireless access point that connects the sensors to transmit data in real-time

Solution

Zebra Technologies' AP6562 outdoor wireless access point provide the communications backbone

Benefits

Reliable and cost effective wireless network with scalability to meet future demand

Our Selected Customer



As the designated test bed for next generation innovations, Jurong Lake District will become the nation's mini version of "smart city".

More than 1,000 sensors have be deployed and connecting these sensors back to the data collection center are the high performance outdoor wireless access point.

[Contact us to find out more!](#)

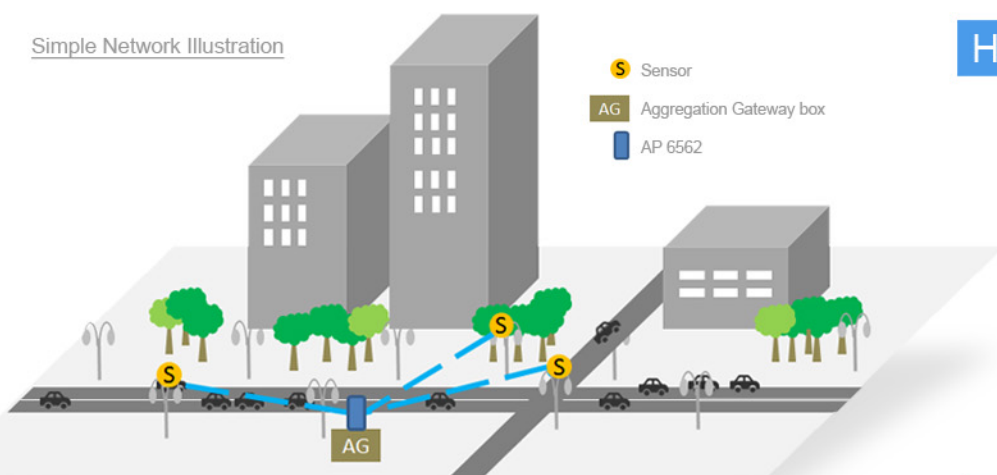


ROOTS was honored to be part of the first trial for Singapore's push to be a "smart nation"

The sensors are placed strategically to support various government agencies projects such as the video surveillance system in Little India and water levels sensor in major drainage system to monitor flooding.

The sensors will be connected to Aggregation Gateway boxes, typically installed at traffic junctions, parks or bus stops to allow data from, say, surveillance cameras or air quality sensors to be fed back to the relevant agencies' offices for analysis.

Simple Network Illustration



How it works

- To monitor traffic conditions, several sensors were mounted in different areas such as lamp posts
- The sensors are connected wirelessly by the AP 6562 to the Aggregation Gateway boxes. Data is collected and transmitted back to the control station

The Technology

Zebra Technologies AP 6562 High Performance Outdoor Wireless Mesh

- Outdoor IP67 rated, Polymeric Corrosion Resistant Enclosure
- Full 802.11n performance with up to 300 Mbps
- Simplifies and reduces total cost of installation PoE
- Patented Mesh Networking–MeshConnex™ allows wireless extension in outdoor locations



Add Zebra AP 6562 to your network today!
enquiry@rootscomm.com or 6283 8500

Contact
Us Now