

Design Better

Cities realize that in order to get the best results from their wireless networks, communities also need an intuitive way to design a network for the best coverage and capacity up front. IT Managers can use LANPlanner, MeshPlanner and LINKPlanner to design better for optimized coverage and performance.

Deploy Faster

Network infrastructure may be out of sight, but it is top of mind for the modern and prosperous city, offering people a better way to connect with each and every information resource. By designing their network better the first time, cities are able to deploy faster through streamlined installation and setup, allowing them to exceed customer expectations and demands.

Manage Easier

Cities and towns are discovering more and more applications that increase the safety and quality of life of residents and deliver new or improved public service options. Additional offerings are made possible that can generate revenue for the municipality and offer a competitive advantage with tourists. All of these modern necessities require a network infrastructure that is able to support a number of diverse applications over a wide geographical area that is manageable through a single intuitive interface.

MOTOROLA WIRELESS BROADBAND

Purpose-Built Networks



Infrastructure Powers Municipal Services

In accomplishing the business of governing, cities, like any modern organization, require and rely upon the ability of various departments to work together to share information, collaborate on tasks and communicate efficiently with each other and external audiences. A solid network infrastructure for public service departments ensures residents and visitors have access to the expected technology demands. For example, when visiting a library, patrons naturally expect to have Internet connectivity and the ability to research and check the availability of books and resources.

Delivering all the services a modern municipality needs requires a robust network and a technological infrastructure to support the many bandwidth intensive demands. From library connectivity to phone access and municipal office applications, cities and towns all require and depend upon maximum network availability. When other services and applications such as video surveillance for facilities security, and even wireless broadband connectivity for residents and tourists are added to the mix, a continuous network link becomes even more crucial to government functionality, the safety of residents and city's ability to attract tourists. With so many applications, functions and mission-critical tasks, an advanced network management tool is crucial in overseeing the overall network and ensuring issues can be detected or anticipated in real-time, allowing for an immediate response to any problems.

Single Point of Control and Superior Network Visibility Win the Day

One town wanted to implement a wireless network within the buildings that housed government and public service offices. The town also wanted to extend the network to include other buildings through outdoor wireless broadband links.

The solution needed to support a multitude of applications both indoors and outdoors, cover a city-wide area and, through a single control point, offer a high level of visibility and network control to pinpoint and respond to problems.

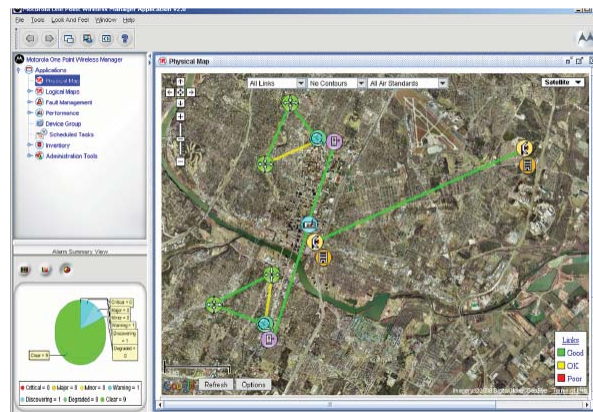
After an in-depth research process comparing various options and networks, the town chose to deploy Motorola's WLAN and Wireless Broadband indoor and outdoor solutions. This all-wireless network approach delivered higher throughput and significantly lower total cost of ownership over the traditional wired LAN and leased-line network solution. Additionally, the town utilized Motorola's One Point Wireless Suite, which offers a set of software solutions that make the design, deployment and management of wireless networks more visual, more complete and more cost-effective.

The One Point Wireless Manager allows the town to view and manage their network from a single interface. It is a flexible, powerful and scalable tool, enabling users to monitor the health of all network components efficiently and easily. The town found the Motorola solution to be a clear winner when compared to other options, largely because of the single point of control for outdoor and indoor wireless broadband products and the incredible level of visibility into the network and applications.



A Need Beyond Speed

Cities often need more diverse communications networks than any modern organization. In addition to broadband speed for basic connectivity and communications, cities and towns are expected to provide security, emergency services, public access and even outdoor wireless broadband connectivity for residents and tourists. Even under the demands of such a broad set of services and applications, municipal networks must be reliable and secure enough to cover city-wide distances. To get the best results for their wireless networks, communities also need an intuitive way to design a network for the best coverage and capacity up-front, and a means to easily manage its supported services from one unified interface. Network infrastructure may be out of sight, but it is top of mind for the modern and prosperous city, offering people a better way to connect with each other and information sources.



Powering Municipal Resources

Motorola's One Point Wireless Manager offers a single, easy Google Maps-based network view for the entire wireless network, which helps network operators identify and correct any problems in real-time.

Hitting the Suite Spot: The Right Hardware with The Right Software

The town is using indoor-meshed access points and WLAN switches. Buildings are connected via Point-to-Multipoint and Point-to-Point links supporting voice and video applications, like VoIP and video conferencing. Outdoor video surveillance cameras are connected via MOTOMESH connections.

The One Point Wireless Suite made design and deployment faster. The town's network was created for optimal coverage, capacity and performance using its design tools. The One Point Wireless Manager together with Motorola's RFMS indoor WLAN management tool is being used to view all of the town's indoor wireless network sites, as well as its outdoor wireless broadband links and video surveillance connections, from one screen. The entire network can also be viewed on a Google™ Earth Map in Wireless Manager; so the geographical associations between network elements can be quickly understood and used to pinpoint any problems should they occur.

About Motorola Wireless Broadband

Motorola's industry leading portfolio of reliable and cost effective wireless broadband solutions provide and extend coverage both indoors and outdoors. The Motorola Wireless Broadband portfolio offers high-speed connectivity systems that support voice, video and data solutions enabling a broad range of applications for both fixed and mobile public and private networks. With Motorola's One Point Wireless Suite of innovative software solutions, customers can now design, deploy and manage their broadband networks at lower installation costs that maximize up-time and reliability.



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