Over 65 Years of Understanding the Needs of Public Safety

In today’s world, you need a solutions provider that understands what Mission Critical is all about: the lives and well-being of your employees and the citizens they protect. That’s why Motorola is a leading provider of interoperable communication systems for public safety, first responders and government agencies. Our experience, along with our skills, people, partnerships and alliances, allow us to build innovative, fully integrated technologies that let organizations like yours share vital information with ease and confidence. We’ve been doing it for 65 years, and we’ll be standing by our customers for years to come.

We are committed to bringing all of our knowledge and technical expertise together, so you can focus on what you do best...to serve and protect the public.
With the MOTOMESH Multi-Radio Broadband Solution, Municipalities Can Now...

Enhance Public Safety by giving First Responders secure and dedicated 4.9GHz mobile broadband connectivity to databases, reports, and video.

Boost Municipal Worker efficiency by delivering photos, blueprints and GIS enhanced data to field personnel, while supporting on-line report filing from their vehicles and laptops.

Provide residents and visitors with Wi-Fi access in local hotspots, public transportation, or across the entire city.

MOTOMESH delivers a wide area, multi-radio broadband solution to public safety and other municipal agencies. MEA radio users can also form instant, ad hoc, peer-to-peer networks - any time, and anywhere.

PUBLIC SAFETY BENEFITS

- 4.9GHz band gives dedicated access to First Responders
- Both the uplink and downlink run at broadband speeds
- Allows the desktop to move into the field for improved efficiency and responsiveness
- Instantly forms a broadband network between MEA users
- MEA radios offer seamless connectivity at highway speeds
- All MEA devices are capable of providing location and tracking information, indoors & outside – without the need for GPS
- Supports standards body initiatives to leverage 802.11 technology into the 4.9GHz band
- Users from other city agencies and the general public do not impact public safety access

PUBLIC WORKS BENEFITS

- Improves productivity by reducing trips to headquarters for data retrieval or report filing
- Seamless broadband connectivity turns time in the field into productive time
- Enables paperless dispatching, work orders and reporting
- Supports AVL services for tracking and accountability
- Enables remote work site and vehicle video surveillance

PUBLIC ACCESS BENEFITS

- Increases resident, business and visitor satisfaction
- Public Wi-Fi access can be provisioned at a few hotspots, on buses & public transportation, or supported citywide
- Public access can be deployed as a free service or as a revenue generator to help accelerate ROI
- Access available to any Wi-Fi enabled device or PC card

MOTOMESH NETWORK COMPONENTS

IAP7300 / Intelligent Access Point
The Intelligent Access point provides the wireless gateway between a MOTOMESH network and the wired world. If greater network capacity is required, additional IAPs can be easily deployed. The self-forming, self-healing and self-balancing routing inherent in a MOTOMESH network minimizes the need for expensive site planning. Dual independent backhaul connections key. Mission Critical bandwidth secure and separate from the public network.

MWR7300 / Mesh Wireless Router
The Mesh Wireless Router extends coverage and connectivity by meshing IAPs and users together. Data signals can hop through one or more MWRs to enable non-line-of-sight communications. MWRs also act as reference points for position location determination.

VMR7300 & VRM3300 / Wireless Medium Card
4.9GHz and 2.4GHz MEA wireless access cards allow any computing device that supports PC cards to access a MOTOMESH network. These cards also form instant broadband meshes between themselves and other MEA client devices when no MOTOMESH infrastructure is present.

VMM7300 & VRM6300 / Vehicle Mounted Modem
4.9GHz and 2.4GHz MEA wireless modems provide a mobile, high bandwidth radio, and feature a standard RJ-45 Ethernet port to support laptops, hubs, printers, IP video cameras or any other Ethernet-ready device. The VMM also forms an instant broadband mesh with any other MEA device.

MeshManager / Network Management
MeshManager provides a single, comprehensive network management suite for controlling security policies, network provisioning, client administration and performance monitoring for all of the devices in a MOTOMESH network.