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At P&R Communications, we are proud of our nearly half-century old relationship with both Motorola and the extensive Motorola community of MSS companies and dealers. As an MSS and dealer, you recognize the advancement of Motorola's wireless broadband portfolio and, most especially, the MOTOMESH product. P&R's outstanding service and support, combined with these innovative WiBB tools, gives our MSS and dealer community an outstanding opportunity for a significant sales impact in both new and existing markets. As a Mobile VAR, we can help you deliver!

P&R Communications: The Standard is Excellence

P&R Communication's promise to offer start-to-finish wireless solutions is matched by our longstanding affiliation with Motorola as we deliver the comprehensive suite of products within its wireless portfolio. P&R provides a broad assortment of consulting services and project management through installation and maintenance. Our commitment is to provide each customer the technical expertise, range of products, stability and resources to be the long-term wireless partner that they require in today's highly competitive market. As wireless Mesh technology grows and transforms the industry, we look forward to teaming with you as we deliver it to the next generation of customers.



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MOTOMESH Network Solutions: A New Standard for Wireless Access

MOTOMESH is a multi-radio broadband solution for public safety, public works, and public access. It consists of a secure 4.9GHz spectrum which minimizes interference for first responders as well as an unlicensed 2.4GHz spectrum, which delivers flexible low cost/high throughput access to the public user.

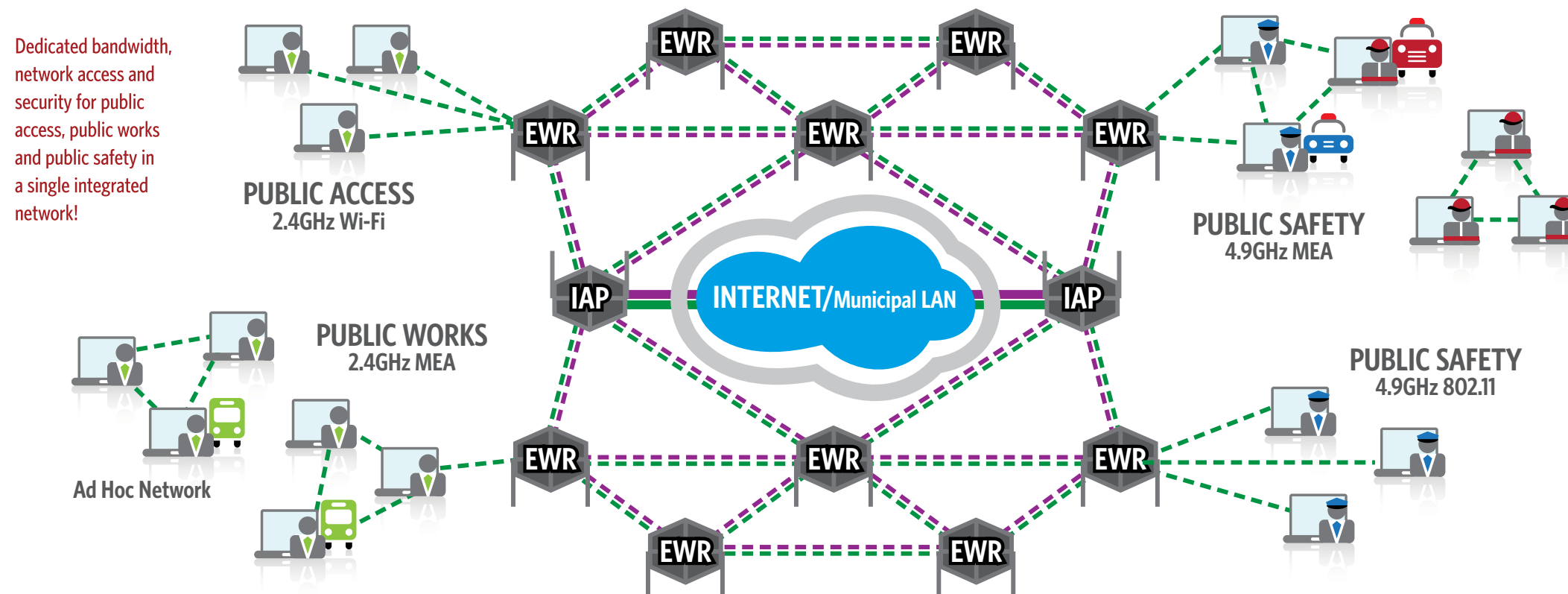
With MOTOMESH, data devices constantly rank and measure the quality of the link to its neighbor and employ a "hopping" principle that turns each user into a router/repeater. This allows users to hop through other users to reach MOTOMESH access points. Each additional user makes the network stronger, extending network coverage and creating more data paths through the network.

As a result, networks are self-forming, self-healing, and self-balancing, which reduces the investment required to build and operate a wireless broadband network and also providing up to a 90% reduction in wireless backhaul. This serves to significantly lower operational costs and contributes to a higher ROI. Data backhaul can easily be provided by Motorola's Canopy Wireless Internet Platform.

The Canopy system uses Point-to-Point and Point-to-Multipoint networks than can cover distances ranging from 2 to 10 miles in a Multi-Point configuration, to as many as 35 miles in a Point-to-Point configuration.

Additionally, MOTOMESH allows Mobility Enabled Access (MEA) radio users to know their actual position and locate other radios without the use of GPS. It even works in places where GPS won't such as urban canyons or inside of buildings. This MEA technology also delivers seamless connectivity to mobile users, even at speeds of up to 200 miles per hour. Best of all, MOTOMESH devices are built to be deployed outdoors and are extremely durable with a mean time between failures (MTBF) of eleven years!

MOTOMESH Broadband Summary



- 802.11 Standards & MEA (Mesh Enabled Architecture)
- Robust Network - Self Forming/Healing/Balancing
- 2.4G unlicensed & 4.9G licensed
- 2.4 does not interfere with 4.9G
- Ad Hoc: C-C & C-C-I
- Vehicular Connectivity
- Fast Hand-Off
- Symmetric Broadband Data Rates
- Built in Location