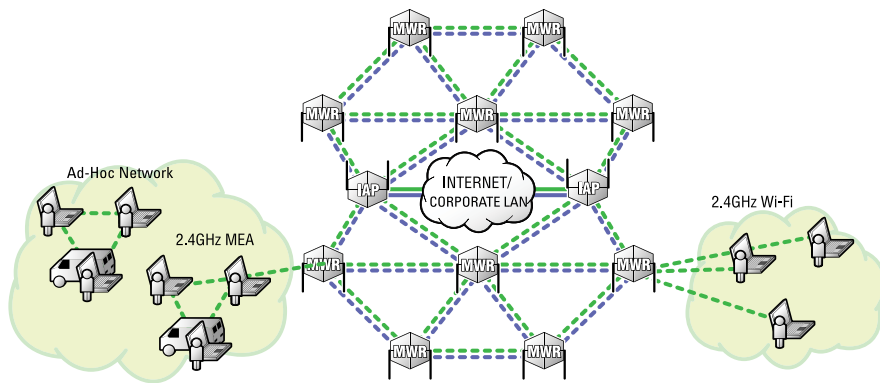


MOTOMESH

Integrated Broadband Wireless IP Network Solution For
Fixed, Nomadic and High Speed Mobile Access...Today.



With MOTOMESH Multi-Radio Broadband solution, your enterprise can now... Improve and optimize its operational performance, by enabling your fixed, nomadic or high mobility personnel with broadband IP connectivity to data everywhere, for access to the corporate network and to critical operational information in it. Provide access to critical information through a safe, highly flexible and reliable integrated network.



MOTOMESH NETWORK COMPONENTS

IAP7300 / Intelligent Access Point

The Intelligent Access Point (IAP) is the interface between the wireless and wired network worlds, providing access to the corporate network for all networks clients. This element provides throughput capacity to the network, making the network design and implementation very scalable, flexible and cost effective to design and implement. The IAP enables the easy planning and scalability of the network to accommodate the organizational changing and growing needs.

MWR7300 / Mesh Wireless Router

The Mesh Wireless Router (MWR) infrastructure device extends the network's coverage and provides connectivity to an IAP for access to critical data in the wired corporate network or to other elements in the wireless network. The MWR allows for a flexible and efficient network coverage design and deployment by leveraging Motorola's multi-hopping technology capabilities.

WMC6300 / Wireless Modem Card

The Wireless Modem Cards (WMC) provides high-performance mobile wireless IP access to PC based clients. This wireless network component enables the field personnel to use the wireless MOTOMESH network as a data transport to or from the wired network or within the wireless network. This network element also allows client devices to create an instant, ad hoc network with other MEA users without the need of infrastructure elements for instant wireless IP based communication. The WMC devices have a PCMCIA form factor.

VMM6300 / Vehicle Mounted Modem

The Vehicle Mounted Modem (VMM) with an integrated RJ45 Ethernet Port provides high-performance mobile wireless IP access to client devices mounted in a vehicle. This highly specialized vehicle component enables the use of the wireless MOTOMESH network as a data transport to or from the wired network or within the wireless network. The VMM also enables client devices to create an instant, ad hoc network with other MEA users without the need of infrastructure elements for instant wireless IP based communication.

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 wireless network.

MESH NETWORKS STATE-OF-THE-ART TECHNOLOGY

Leveraging proven technology originally developed for battlefield communications, MOTOMESH supports data and video transmission as well as position location services to fixed and mobile users. Self-forming, self-healing routing intelligence distributes clients among Intelligent Access Points, without user or system manager intervention. As a result, a very reliable, flexible, high performance and easily managed network is provided. Each node, whether infrastructure or client device, expands the network or "Mesh", reducing data transport and system management costs while promoting a faster return on investment.

BROADBAND IP ACCESS WITH FIXED AND MOBILE SERVICES

MOTOMESH is a multi-radio wide area system that offers the security, capacity and flexibility required by your enterprise. This same infrastructure enables mobile broadband IP and Wi-Fi access for fixed users. The MOTOMESH architecture uses multiple radios in a single infrastructure device. The network design and build are based on strong and proven meshing technology: Mesh Enabled Architecture (MEA) which provides highly effective and reliable access to Broadband IP services, even in the presence of stringent and varying RF conditions, typical of an outdoor mobile wireless network environment.

SEAMLESS MOBILITY

The MOTOMESH system provides seamless connectivity to fixed, nomadic and mobile users of broadband services. MOTOMESH supports real-time information (files, video, email, data base, reports, etc) access and transmission to or from mobile vehicles running at speeds up to 240 KPH, providing reliable broadband services and seamless mobility.

MMA USERS CAN CREATE INSTANT NETWORKS

Mesh Enabled Architecture (MEA) multi-hopping technology enables the creation of ad hoc, instant data networks with broadband IP access, with or without network infrastructure. Each MEA-enabled radio acts as a wireless router/repeater for other MEA clients in the wireless network. MEA clients can hop through each other to reach other clients in the network or a remote infrastructure-based network.

FAST AND ACCURATE COMPONENT LOCATION AND TRACKING CAPABILITIES

Depending on the deployed network setup, MOTOMESH's Mesh Enabled Architecture (MEA) technology allows to track and transmit the instantaneous location of the mobile / portable devices of the network to a monitoring center. The instantaneous location of the devices is obtained without the need of GPS satellite receivers in the devices being tracked. The MOTOMESH solution provides a viable solution for asset / vehicle tracking in places where GPS can not be relied upon, such as in tunnels, canyon-like outdoor environments, behind obstructions and even inside buildings. The MOTOMESH wireless network can provide its mobile clients location in less than a second for a fast and flexible critical personnel / asset location and monitoring solution.



MOTOROLA

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