



MOTOROLA WIRELESS BROADBAND

Wireless Solutions for Indoor and Outdoor Connectivity



Only One Company Knows Wireless Inside and Out

Only Motorola has the world-class expertise to provide a complete wireless broadband ecosystem that can meet your most aggressive reach, speed and coverage goals quickly and easily.

At Motorola, our indoor and outdoor wireless connectivity solutions are all about giving you opportunities. And helping you take advantage of those opportunities to create differentiation, competitive edge and enhanced revenues.

The Motorola portfolio of wireless network solutions provides a wealth of opportunities. These include the ability to reach and connect people wherever

they live or work and to deliver information—data, video and voice—at high speeds in real time. They also include providing reliable broadband coverage under virtually any conditions, such as low-, medium- or high-density environments; open, obstructed and even non-line-of-sight situations; and indoor, perimeter and outdoor locations. In addition, you'll have the opportunity to offer high-value, high-speed mobile connectivity services. And, customers can now leverage Motorola's extensive wireless expertise through the One Point Wireless Suite, a powerful set of software solutions that help design, deploy and manage wireless networks.

Benefits of Motorola's Indoor and Outdoor Wireless Networks

Enterprise

- Motorola connectivity solutions excel as a primary network
- Remote facilities can be connected to the network quickly and cost-effectively
- Provide reliable and secure campus-wide and across-town indoor/outdoor ubiquitous high-speed network access

Government

- Police and fire personnel have instant access to information while en route to a scene
- Municipalities use indoor/outdoor wireless networks to enable eGovernment initiatives
- People and facilities are protected by cost-effective wireless video surveillance

Service Provider

- Subscribers have mobile high-speed connectivity—inside, outside and on-the-move
- Residents and workers in multi-unit buildings gain economical broadband access
- Users enjoy innovative applications like online gaming, streaming video and VoIP

You can trust the wireless experts. Motorola has the infrastructure, RF and networking expertise to provide a purpose-built end-to-end wireless ecosystem—from comprehensive network design through breakthrough end user devices—of exceptional power and reliability.



The Industry's Broadest Portfolio of Wireless Connectivity Solutions

Whether you need to deploy a whole new network or extend an existing network to new locations, new users or new subscribers, Motorola's indoor and outdoor wireless network solutions bring you up to high speed in the right way. And right away.

The Motorola portfolio empowers you to capture, connect, communicate and control IP-based voice, video and data in real time both indoors and out-

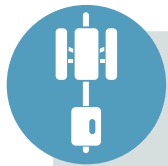
doors. It enables you to provide fixed, portable, nomadic and mobile applications. Equally important, deployment can be accomplished in days, not weeks or months.

Motorola's wireless connectivity solutions offer a broad range of flexible, cost-effective, mix-and-match options to fit virtually any need with one holistic and purpose-built wireless network solution:

END-TO-END SUPPORT FROM MOTOROLA SERVICES

Motorola is one of the telecommunication industry's leaders in providing comprehensive support services to help you maximize your network performance and management:

- **Integration Services:** Design, Installation, Commissioning and Program Management.
- **Support Services:** Training, Maintenance and Network Optimization and Management.
- **Managed Services:** Out-Sourcing and Out-Tasking, Hosting and Build, Operate and Manage/Transfer services.
- **Application Services:** End-User Application Development, Application Delivery Framework and Hosting.



wi4 WiMAX solutions

offer high performance, standards-based broadband access that operates in licensed frequencies. wi4 WiMAX solutions provide on-demand high-speed connectivity that follows the user everywhere: indoors, outdoors and on the move.



Mesh solutions

provide cost-effective citywide and enterprise-wide wireless broadband connectivity and access. Motorola mesh networks offer broad-area high-speed fixed and mobile coverage, even in tough environments like ports and mining. They also help municipalities provide high-speed wireless connectivity that enables universal public access, more robust public safety systems and increased public works productivity.



Point-to-Point solutions

consist of cost-effective high-throughput wireless Ethernet bridges and extensions that transmit data with maximum reliability even under the harshest conditions and in non-line-of-sight situations.



Wireless LAN solutions

offer resiliency, security and performance equal to that of a wired LAN while delivering the mobility, flexibility and cost-effectiveness of wireless. Indoor and outdoor meshed access points enable a cable-less installation that substantially reduces network deployment and maintenance costs and ensures network availability in every corner of the enterprise.



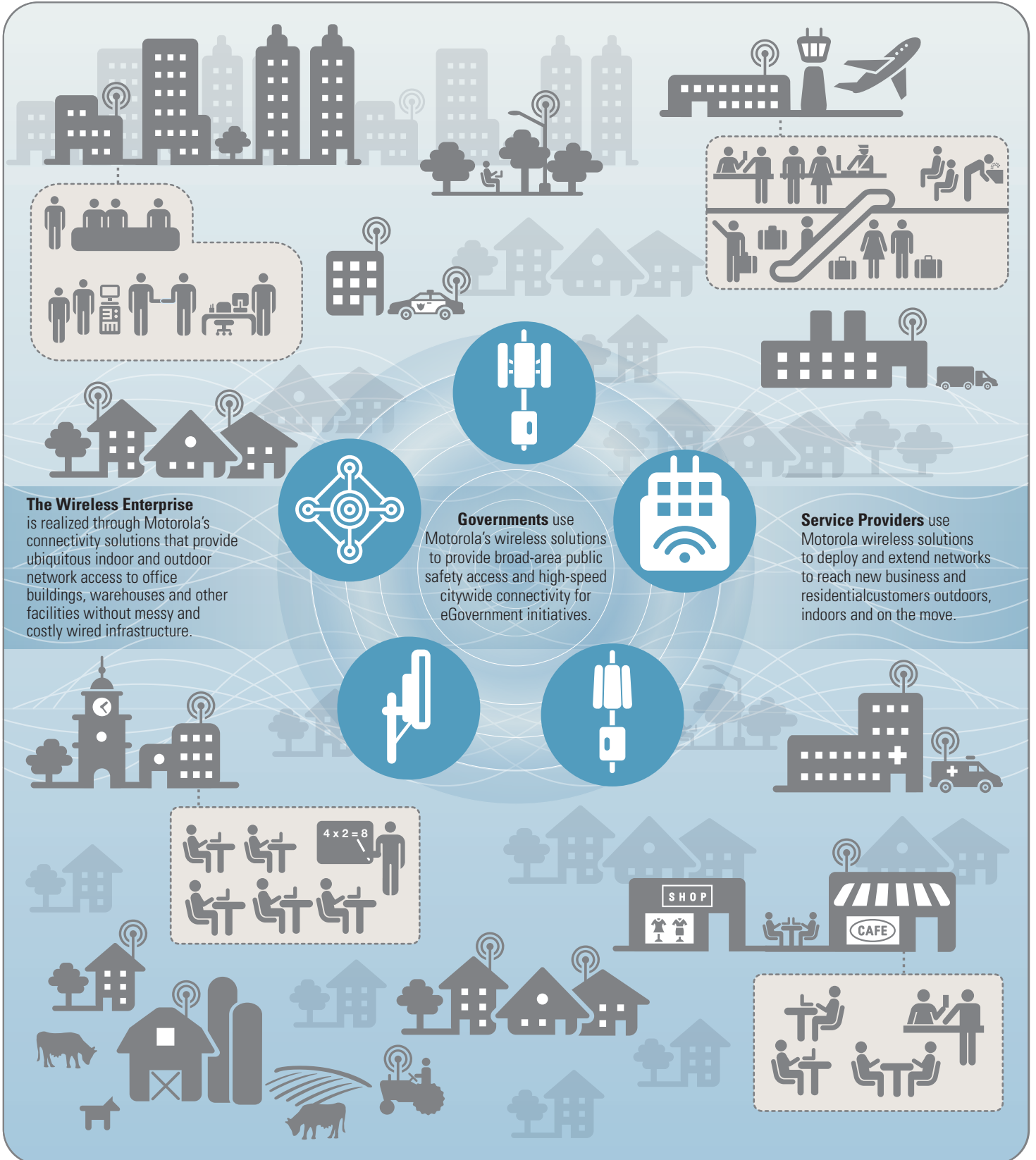
Point-to-Multipoint solutions

deliver proven, scalable and interference-resistant connectivity to multiple business, institutional, municipal or residential locations.



A True End-to-End Wireless Ecosystem

Motorola's wireless connectivity solutions offer industry leading flexibility, enabling you to mix and match components to create your most effective and cost-efficient network solutions. Motorola delivers exceptional performance at every level of the network: Internet connection, infrastructure and access layers, and the last 100 feet including indoor WLANs.



Proven in the Toughest, Real World Environments

Motorola's wireless connectivity solutions are currently hard at work supplying efficient, cost-effective wireless access in more than 10,000 networks in 120 countries around the world. One of the best ways to demonstrate the flexibility and efficiency of Motorola technology is to show you how some of our customers around the world are using our solutions to help increase revenue streams, improve safety, increase productivity, create community and enhance the bottom line.

Enterprise: Mining the Benefits of Wireless

In the vast coalfields of the western United States, a large wireless service provider is helping one of the world's most successful mining companies streamline surface mining operations using a Motorola Mesh network solution. Combined with the provider's proprietary service hardware interface, the mesh technology solution consolidates a large portfolio of legacy applications into a common network and brings them up to Ethernet-ready standards. To accomplish this major task, the company needed the Motorola Mesh network's high availability, easy deployment, fast switching times and low latency to monitor numerous haul trucks, bulldozers, drills, digging machines and other equipment roaming a huge network of sites.

Enterprise: Remote Control and Monitoring

The ultimate test for a company needing to provide high-speed connectivity with remote facilities is an oil company with offshore oil drilling facilities. When one of Asia's largest oil drilling operations needed to increase business efficiency by connecting remote locations, it faced the usual distance-based issues common to networking remote facilities. But its offshore oil drilling operations posed a second set of issues concerning the over-water link between these facilities and the company's main location. The company chose to implement a Motorola Point-to-Multipoint solution. The network was fast and easy to install, and easily bridged the water hazards to deliver the business efficiencies of reliable, real-time, 24/7 monitoring and control over the security and performance of offshore and remote oil facilities.

Enterprise: Speeding Up High-Speed Visitor

Access One of the world's foremost manufacturers of energy equipment was experiencing expensive inefficiency in providing high-speed connectivity to visiting contractors and other business associates. The company needed a fast, simple, secure—and inexpensive—way of accommodating online access for both employees and visitors. The manufacturer decided to deploy a Motorola Wireless LAN using

a network comprised of wireless switches, access points, mobility software and services. The system provides instant, secure access to vital information for employees and visitors alike, and helps the company save significant dollars by eliminating the time previously spent on hard-wiring visitors' laptops.

Government: Making Learning Easier

A growing number of universities and grade schools are building indoor and outdoor wireless networks using Motorola wireless connectivity solutions. Expanding their networks to remote campus buildings while offering new wireless voice, video and data applications to both students and staff, these schools are also saving money in avoided recurring leased line costs and wired-infrastructure capital expenditures. The end-to-end wireless campus networks are designed, deployed and managed with the help of Motorola's powerful One Point Wireless Suite.

Service Provider: Residential Connectivity

An independent telephone company, established in the early 1960s, is continually looking for new ways to reach new customers and offer new services. After years of examining many forms of wireless technology, the company chose Motorola's Point-to-Point and Point-to-Multipoint solutions to extend its network wirelessly rather than with wired DSL alternatives. Upon deployment, the company established a sister wireless company to reach remotely located customers in its own region and expand its reach into the service areas of competitors. Today the company serves more than 3,500 customers with high-speed wireless access with a service area that covers approximately 15,000 households and more than 200 square miles.

Service Provider: High-Speed Coverage for a Whole Country

In the Philippines, the country's largest wireless services provider uses Motorola wireless broadband equipment to offer high-speed Internet and data services to residential and business subscribers across the nation. Motorola's Point-to-Multipoint solution was selected due to its reliability, ease-of-installation and cost effectiveness compared to wired alternatives—this allowed the service provider to optimize capital expenditures by rolling out additional infrastructure as needed. Additionally, Motorola's unique GPS-synchronized technology minimized the risk of self-interference causing problems in higher-density areas.



Motorola One Point Wireless Suite: Design, Deploy and Manage your Wireless Network

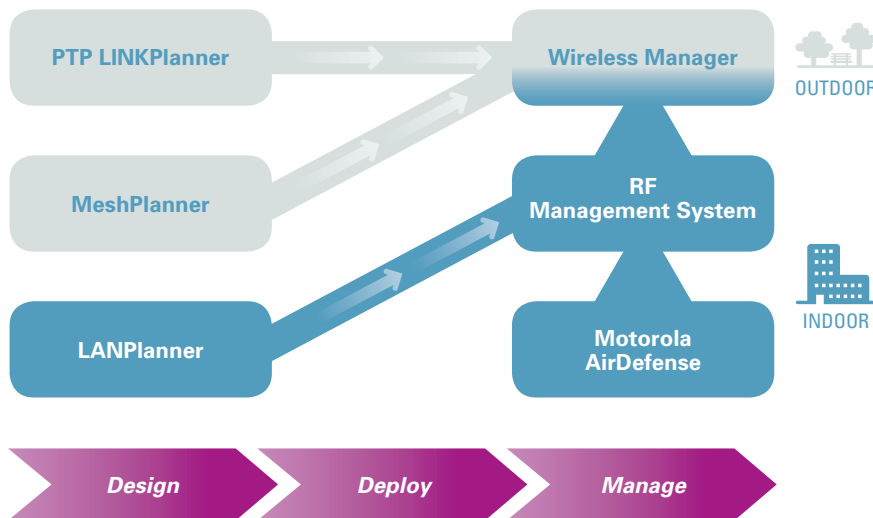
Advanced prediction engines in the One Point Wireless Suite design tools leverage Motorola's deep expertise in wireless technology and take the guesswork out of designing each network layer for optimal coverage, capacity and performance. Network designs are then transferred to Motorola's management software, which includes innovative new map-based and unified network visualizations that let you see every network node at its actual location and manage your entire wireless network from one screen—including the indoor and outdoor access, distribution and backhaul layers. Real-time device polling and automated alerts enable easier performance verification, security monitoring and faster problem detection and resolution.

PTP LINKPlanner. Simplifies design of point-to-point links by accurately predicting achievable data rates, taking into account terrain profile and obstructions between links, antenna heights and antenna type/size. Through integration with Google Earth, PTP LINKPlanner allows for exceptional real-world link path visualization of single or multiple link designs.

MeshPlanner. Helps design and verify outdoor wireless mesh networks and point-to-multipoint backhaul. The tool's advanced predictive design capabilities automate the process of determining optimum equipment placement while taking into consideration the impact of the physical environment on the wireless signals.

LANPlanner. Makes it easier to design and install 802.11 a/b/g/n wireless LANs that deliver maximum performance at minimum cost. LANPlanner makes it easy to import a building layout and site information from a variety of sources, then uses its embedded library of RF attenuation characteristics to create a site-specific three-dimensional model of the wireless network.

Wireless Manager. A powerful, flexible and scalable outdoor and indoor network deployment and management solution. Its breakthrough map-based visualization capabilities using embedded Google maps, combined with advanced configuration, provisioning, alerting and reporting features, empower network managers to holistically control the network's indoor and outdoor access layer, distribution layer and backhaul layer. Indoor management to the access point level is provided via one-click access to the RF Management System.



RF Management System. Accepts WLAN designs from LANPlanner and manages WLAN sites, providing real-time heatmaps of by-floor indoor coverage, detailed performance reporting and alert status. Alert status and easy one-click access is provided to the Motorola AirDefense solutions console.

Motorola AirDefense Solutions. Provides 24x7 monitoring of your wireless LAN to protect against unauthorized access, safeguards proprietary information and enables compliance with government regulations for protection of personal and financial information such as health and credit card data.



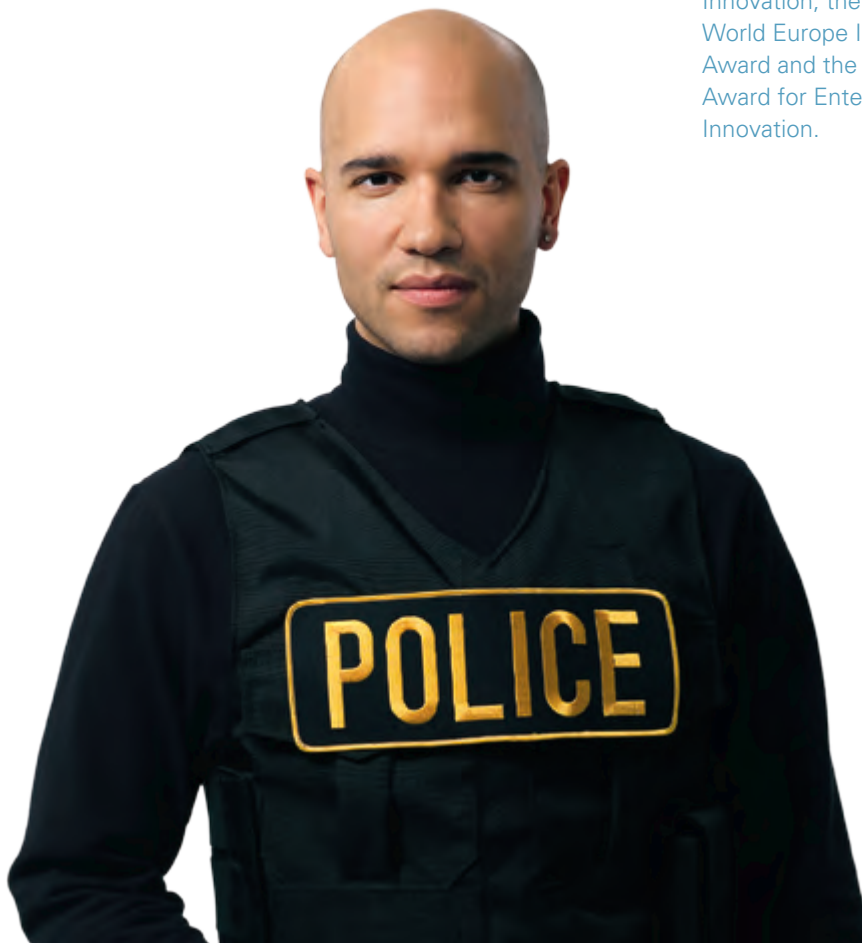
Experience the Motorola Advantage

Motorola is one of the most trusted resources for wireless communication solutions around the world. Here are a few reasons why. First, Motorola's more than 80 years of RF innovation and leadership make us the world's most experienced wireless communication resource. Second, we offer a broad array of advanced technology options that are globally proven in the real world. Third, we support our customers with a rich portfolio of software and service solutions.

Finally, Motorola offers the world's only true end-to-end ecosystem of wireless broadband connectivity. And that makes Motorola the only company in the world that knows wireless broadband inside and out.

AWARD-WINNING MOTOROLA WIRELESS BROADBAND

The wireless communications industry also recognizes the power and efficiencies of the Motorola wireless broadband solutions portfolio. In just the past two years, the Motorola Wireless Broadband platform has received a number of prestigious awards, including the NXTComm Award for Innovation, the WiMAX World Europe Innovation Award and the Queen's Award for Enterprise in Innovation.



Motorola's comprehensive portfolio of reliable and cost-effective wireless broadband solutions together with our WLAN solutions provide and extend coverage both indoors and outdoors. The Motorola Wireless Broadband portfolio offers high-speed Point-to-Point, Point-to-Multipoint, Mesh, WiFi and WiMAX networks that support data, voice and video communications, enabling a broad range of fixed and mobile applications for public and private systems. With Motorola's innovative software solutions, customers can design, deploy and manage a broadband network, maximizing uptime and reliability while lowering installation costs.



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