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## Motorola Takes 802.11n Technology Outdoor with Powerful Mesh Wide Area Network Solution

802.11n mesh access points help cities and businesses build a reliable, high-bandwidth wireless network infrastructure to meet growing mobility needs

Schaumburg, Ill. – October 8, 2009 – The Enterprise Mobility Solutions business of [Motorola, Inc.](#) (NYSE: MOT) today announced the [AP 7181 access point](#), a high-performance, reliable and secure 802.11n outdoor mesh wide area network (MWAN) solution. Offering data speeds of up to 300 Mbps and featuring Motorola's proprietary ADvanced Element Panel Technology (ADEPT) antenna system, the AP 7181 provides municipalities and enterprise customers with a flexible [wireless network solution](#) that supports their current and future data, video and voice needs.

Motorola's AP 7181 outdoor mesh access points provide more network capacity, enable more applications and support more users than 802.11a/b/g mesh solutions, accelerating return on investment. Motorola's innovative ADEPT antenna system enables the AP 7181 to achieve maximum performance by communicating two simultaneous data streams in the same channel and avoiding the self-shadowing of typical multi-antenna solutions. With antennas integrated into an aesthetic enclosure, Motorola's solution overcomes the limitations of multiple antenna sticks in a typical 802.11n access point. Network availability and reliability is further strengthened with 802.11n radios specifically designed by Motorola to maintain full power at high data rates, ensuring enhanced client connections and superior mesh throughput throughout a coverage area.

"Our customers seek solutions that can support a broad range of fixed and mobile applications, from automated meter reading to field mobility to wireless video surveillance," said Nelson Santos, president, Scientel Wireless. "802.11n mesh networks offer a compelling connectivity option with one infrastructure having enough bandwidth and capacity to support many of these applications simultaneously."

Motorola's outdoor mesh solution offers the powerful capabilities of 802.11n technologies, while also maintaining backward compatibility and improving performance for 802.11a/b/g clients, which helps customers maximize their existing mobility investments. The AP 7181 access point offers robust mobile data connections throughout a network by leveraging Motorola's MeshConnex™ routing technology to enable efficient routing, low hop latency, low routing overhead, high-speed handoffs and proven scalability. The field-proven MeshConnex technology allows the AP 7181 to maintain a continuous video connection to or from a moving vehicle or train, enabling [video surveillance](#) in real time. Municipal and enterprise customers can also leverage these mobility features to deliver high-speed Internet access to mobile workers who need to stay connected to key office applications while in the field.

Municipalities are increasingly looking to wireless broadband technologies to help them save money and enhance [city services](#) with advanced mobility applications that include [e-citations](#), [automated meter reading](#), [intelligent traffic systems](#) or [wireless video security](#) for public safety. The increased data rates and network capacity delivered by the Motorola AP 7181 solution enable municipal customers to leverage a single private wireless network to support a wide range of mobility applications while offering WiFi access to residents and businesses. Businesses and education institutions are also finding an increasing need for mobile access across campus environments, seeking solutions that can offer superior throughput and stronger backhaul connections while delivering reliable and secure coverage using fewer access points. The AP 7181 offers organizations involved in the education, transportation and industrial markets a cost-effective wireless broadband solution that has enough capacity, power and throughput to support even the most bandwidth-demanding applications like video and voice.

"Working with municipal and enterprise customers across the globe, Motorola has a long history of delivering innovative solutions that enable them to leverage mobility applications to help streamline operations, increase worker safety and improve productivity," said Scott French, MSSl vice president and senior sales director for emerging technologies and solutions, Motorola Enterprise Mobility Solutions. "Motorola's high-capacity, high-throughput 802.11n mesh solution will enable customers to future-proof their network infrastructure investments to support both current as well as future application needs."

Customers can leverage wireless network design and management solutions from the [Motorola One Point Wireless Suite](#) to ensure faster deployment, maximum network performance and reduced network maintenance costs. The recently introduced [Motorola BroadbandPlanner](#) is an intuitive software solution that helps customers propose, design, deploy and measure outdoor 802.11n mesh wireless networks. With an advanced RF modeling engine, ability to export design information to Google Maps for easy viewing, and streamlined measurement and verification capabilities, this innovative solution helps customers propose wireless network solutions with confidence and deploy them with maximum efficiency.

Once deployed, the 802.11n mesh wide area network can be accurately monitored, managed and optimized using the [Motorola Wireless Manager](#). Offering network administrators a visualization of their entire outdoor and indoor wireless network through a Google Map view, this comprehensive management solution makes it easy to manage the complexities of a multi-layer wireless network by clearly showing performance metrics, network relationships and locations of all wireless elements.

Customers can purchase the AP 7181 mesh solution beginning in the fourth quarter of 2009.

Motorola delivers seamless connectivity that puts real-time information in the hands of users, which gives customers the agility they need to grow their business or better serve and protect the public. Working seamlessly together with its world-class devices, Motorola's unrivaled wireless network solutions include indoor [wireless LAN](#), outdoor wireless [mesh](#), [point-to-multipoint](#), [point-to-point](#) networks and [voice-over-WLAN](#) solutions. Combined with powerful software tools for wireless network design, best-of-breed [security](#), management and troubleshooting, Motorola's solutions deliver trusted networking and access anywhere to organizations across the globe.

### About Motorola

Motorola is known around the world for innovation in communications and is focused on advancing the way the world connects. From broadband communications infrastructure, enterprise mobility and public safety solutions to high-definition video and mobile devices, Motorola is leading the next wave of innovations that enable people, enterprises and governments to be more connected and more mobile. Motorola (NYSE: MOT) had sales of US \$30.1 billion in 2008. For more information, please visit [www.motorola.com](#).

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