



Wireless Broadband Solutions for Service Providers

Motorola's wi4 Fixed Point-to-Multipoint Canopy® residential and enterprise solutions enable service providers to gain important new revenue streams—as well as maximize end user satisfaction—by delivering high-speed wireless connectivity faster, easier and more cost-effectively to both residential and business customers.

MOTOROLA'S MOTOWi4™ WIRELESS BROADBAND PORTFOLIO

Wi4 Fixed Point-to-Multipoint Canopy solutions are part of the MOTOWi4 portfolio—a comprehensive portfolio of wireless broadband solutions and services that provides high-speed connectivity, enabling a broad range of applications in a host of environments. The MOTOWi4 portfolio also includes wi4 WiMAX, wi4 Mesh and wi4 Indoor solutions for public and private networks.

Today's global marketplace is demanding high-speed wireless broadband. The question for service providers is how to deliver wireless broadband connectivity quickly, cost-efficiently... and, most important, competitively. A growing number of ISPs and WISPs are discovering that no system can match the Canopy solution's combination of advanced technology, simplified configuration, rapid deployment and remarkable cost effectiveness.

Most important, IP-based Canopy solutions are meeting and exceeding expectations in homes and corporate environments worldwide. They help service providers gain important new revenues by offering today's most innovative, in-demand applications, such as high-speed Internet connectivity, VoIP (Voice over Internet Protocol), video surveillance, interactive gaming and new applications as they become available. Businesses find the Canopy system helps them

enhance enterprisewide communications, increase security and improve productivity while lowering cost of ownership. Residential customers enjoy 24/7 high-speed Internet access, downloading, interactive gaming, social networking, instant messaging and more.

Just as important, Canopy wireless networks are fast and simple to install, enabling service providers to deploy high-speed networks at high speed. Time to market is days, not weeks or months, allowing providers to deliver service faster and capture ROI just as fast. All around the world, Canopy systems are delivering high performance, high customer satisfaction, leveragable competitive differentiation and a rapid rate of return for a wide variety of service provider organizations.

DATA SHEET

wi4 Fixed
Point-to-Multipoint Canopy Solutions

Reducing Time to Market with Simplified Installation, Deployment and Integration



The Canopy system's intelligent protocols streamline deployment and operation, and support subscribers for distances of up to 15 miles (24 kilometers). A simple network design allows the system to easily integrate with and complement existing networks.

Canopy wireless broadband equipment is available in a wide range of spectrum choices, including 900 MHz, 2.4, 5.1, 5.2, 5.4, 5.7 and 5.9 GHz. Start-up costs are more affordable than virtually any other connectivity option, with no need to run overhead or in-ground wire or install microwave. Network components are streamlined, with built-in installation and deployment assistance. The system is interference-tolerant and offers exceptional performance in line of sight (LOS) situations, and, with Canopy OFDM-based equipment, in near-line of sight (nLOS) and non-line of sight (NLOS) environments. In addition, Canopy solutions provide multiple layers of security and easily integrate with standard network management tools and systems.



The Canopy platform's upload and download speeds are as fast as or faster than virtually every other service available today. The Canopy system offers up to 21 Mbps (aggregate data rates). Of course, upload and download speeds are affected by several factors so actual speeds may vary, but the potential to offer an incredible broadband experience is inherent in the Canopy system.

When your capacity needs increase, the Canopy solution is scalable to accommodate changing requirements, wider geographic areas, larger user populations and higher traffic volumes.

For more information, please contact your Motorola representative.



Real-World Applications

The Canopy platform is enabling service providers worldwide to compete successfully and profitably in the burgeoning global wireless broadband marketplace.

Barrett Xplore, Canada

Several million people across Canada do not have access to high-speed Internet service because they live in rural and remote areas, making build-out of DSL service cost prohibitive. Barrett Xplore is solving this inequity by deploying a network based on Motorola Canopy solutions, and providing high-speed wireless broadband services to unserved and underserved communities in 11 provinces and three territories.

Etquom, Germany

In Germany, millions of households are lacking high-speed broadband Internet service because extension of current DSL infrastructure is cost prohibitive. Wireless broadband provider Etquom is using a wireless broadband network leveraging Canopy solutions' affordability and ease and speed of deployment to plug these coverage gaps and bring high-speed connectivity to unserved and underserved communities quickly and affordably.

CommsLogic, Australia

Only 54 percent of Australian households are served by high-speed broadband connectivity, compared to 67 percent in the USA and 91 percent in South Korea. Service provider CommsLogic is tackling the problem, using Canopy solutions to deliver high-speed wireless broadband connectivity and VoIP service throughout the state of Queensland, which has an underserved population of more than 3.6 million people.

The world over, Canopy solutions are fast becoming the platform of choice for connecting multiple facilities or locations powerfully, seamlessly and affordably



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