



Wireless Broadband Solutions for the Enterprise

Motorola's wi4 Fixed Point-to-Multipoint Canopy® solutions help organizations and institutions of all sizes realize all the benefits of high-speed wireless connectivity. Canopy systems can be deployed faster, easier and more cost-effectively, helping enterprises meet and exceed their business objectives by streamlining and enhancing communications.

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.

A rapidly growing number of successful businesses and organizations the world over are thriving in large part because of their enterprisewide broadband communications capabilities. A great many of them know or are discovering that Canopy wireless solutions offer industry leading affordability, as well as power and performance second to none.

Canopy high-speed wireless networks help bring a new unity to corporate environments such as expansive campuses and remote locations. They also deliver the high-speed Internet access that helps boost productivity by connecting the enterprise to the world. In addition, Canopy networks offer instant access to vital information, maximizing communication, information sharing and collaboration. They also help tighten security and increase the safety of personnel, equipment and facilities. Internally, Canopy solutions promote teamwork and improve employee relations, and externally, they help create stronger customer partnerships.

Just as important, unlike cable and fiber networks, Canopy wireless networks are fast and simple to install, enabling you to deploy your high-speed network at high speed. All around the world, in a wide variety of enterprise environments, Canopy systems are fueling growth by improving enterprise communications, productivity and security while reducing cost of ownership and increasing ROI.

Worldwide, organizations of varying types and sizes are making Canopy Point-to-Multipoint wireless broadband systems their preferred enterprisewide communications solution. In addition to increasing productivity by maximizing communications to multiple locations, Canopy solutions help enterprises leverage the world's most innovative and productive applications. Applications like high-speed Internet access, VoIP (Voice over Internet Protocol), video surveillance, and interactive collaboration are empowering organizations of all sizes to compete more profitably in the global marketplace.

DATA SHEET

wi4 Fixed
Point-to-Multipoint Canopy Solutions

Enhancing Productivity by Delivering High-Speed Voice, Video and Data



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 enterprises worldwide to compete more successfully and more profitably in domestic and global markets.

Dairy Products Manufacturer, USA

A highly successful dairy located in New Mexico, needed to establish secure, high-speed connectivity to a new warehouse complex. The company selected a Canopy solution for its reliability, inherent security, fast and simple installation and scalability. Using milk silos as towers, the dairy implemented the solution quickly and easily, establishing ubiquitous connectivity between the corporate office and remote warehouses.

Zhengzhou Railway, China

The Zhengzhou, or Heart of China, Railway provides major outbound lines for shipping coal in central China. In April 2007, the country introduced high-speed trains which required high-speed rail station monitoring. The company selected a Canopy video surveillance solution for its fast and simple setup, element-resistant construction, interference-resistance and seamless integration with the bureau's existing IT system.

Access Kenya, Kenya

Telecommunications deregulation came to Kenya in 2003. AccessKenya seized the opportunity to control last-mile connection to enterprise customers, and tested many solution options. The company ultimately chose a Canopy solution for its combination of power and simplicity. One company spokesman said "Canopy blows everything out of the water in the 5.4 and 5.7 band."

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



MOTOROLA

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