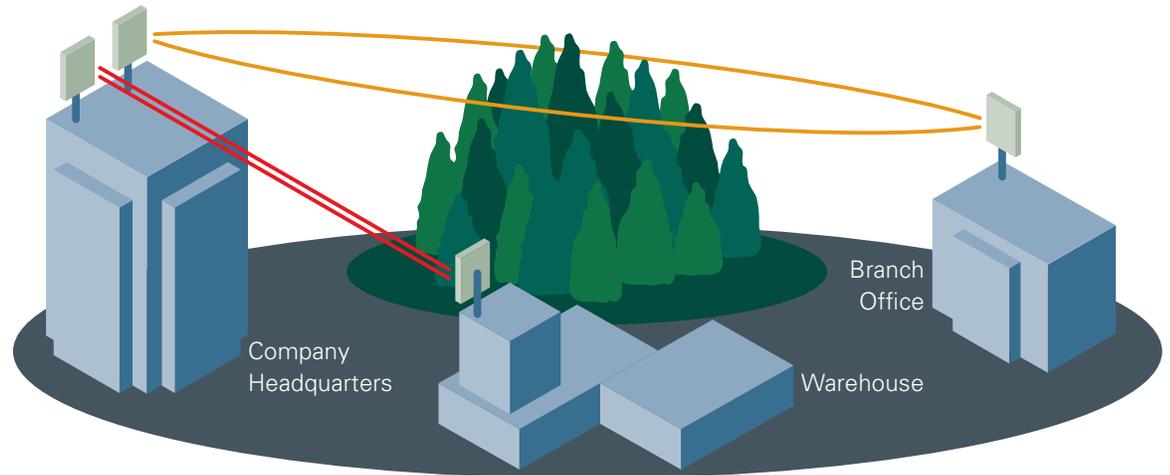




Building-to-Building Connectivity for the Enterprise

Typical Implementation



Situation: Beyond Traditional Walls

Mergers, acquisitions and virtualization are common enterprise occurrences today, and establishing shared communications between buildings can be an IT manager's nightmare. Wireless technology has helped tremendously, but until recently, many solutions haven't matched the high-reliability standards of wired solutions. The resulting hodge-podge of wired and wireless technology has diminished communications performance.

Challenge: Reliable, Cost-Effective Building-to-Building Connectivity

If you're looking to create a seamless meshed WAN or LAN between buildings, three factors matter most: high availability, performance and reasonable cost. To maintain productivity and satisfy business demands, your data, voice and video communications must get through quickly, without loss and without breaking the budget.

Solution:
High-Performance Broadband Wireless

The Motorola wi4 Fixed Point-to-Point wireless Ethernet Bridges offer cost-effective, fully digital, building-to-building communications at carrier-class reliability – up to 99.999%. In environments where other wireless solutions don't work – in crowded metropolitan areas with high RF interference, over water and open terrain, and across long distances – the Motorola PTP solutions achieve far more reliable connections, much more often and at higher data rates.

In fact, Motorola PTP solutions outperform the competition, regardless of your requirements:

- Long-distance – traverse geography without signal loss
- Non-line-of-sight (NLoS) or near-line-of-sight (nLoS) environments – make connections regardless of path obstructions
- Crowded hub sites – cluster more radios without increasing interference
- Backup and disaster recovery – provide cost-effective redundancy
- Replacement for T1s – deliver comparable performance at less cost

Unique Technology, Unparalleled Performance

With solutions that provide throughput rates from 3 Mbps up to 300 Mbps, Motorola is the only manufacturer to combine these innovative technologies that are proven to minimize interference and maximize throughput:

- Multiple-Input Multiple-Output (MIMO)
- Best-in-Class Radio
- *Intelligent* Orthogonal Frequency Division Multiplexing (*i*-OFDM)
- Advanced Spectrum Management with *Intelligent* Dynamic Frequency Selection (*i*-DFS)
- Adaptive Modulation
- Inherent Spatial Diversity

The Bottom Line

Your business can see a fast return on investment – typically less than one year – due to:

- Cost-effective equipment
- Elimination of recurring leased-line costs
- Sharp reduction in signal loss over other wireless solutions
- Ability to handle all-IP voice, video and data communications
- Bandwidth scalability for business growth
- Extremely easy upgrade path

MOTOwi4™

The Motorola wi4 Fixed Point-to-Point Wireless Ethernet Bridges – PTP 400 and PTP 600 Series – are part of Motorola's MOTOwi4 portfolio of innovative wireless broadband solutions that create, complement and complete IP networks. Delivering IP coverage to virtually all spaces, the MOTOwi4 portfolio includes Fixed Broadband, WiMAX, Mesh and Broadband-over-Powerline solutions for private and public networks.

About Motorola

Motorola is known around the world for innovation and leadership in wireless and broadband communications. Inspired by our vision of Seamless Mobility, the people of Motorola are committed to helping you get and stay connected simply and seamlessly to the people, information, and entertainment that you want and need. We do this by designing and delivering "must have" products, "must do" experiences and powerful networks – along with a full complement of support services. A Fortune 100 company with global presence and impact, Motorola had sales of US \$42.9 billion in 2006. For more information about our point-to-point products and services, visit our website at www.motorola.com/ptp.



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