

BEYOND WIRELESS

Trends Interesting Deployments Business Impact



How wireless broadband has made a difference in communication between remote security outposts in Kosovo.

- The Problem:** *Finding a cost effective and secure way to link the regional police headquarters with remote police and border control stations in order to provide high-speed data and voice transmissions.*
- The Solution:** *Motorola's Canopy® point-to-point wireless broadband links provide throughputs of up to 60Mbps for secure data transmission. A wireless local area network was created by adding a voice over Internet protocol (VoIP) gateway server and some wireline telephony equipment. www.motorola.com/canopy. www.connectwithcanopy.com.*
- The Result:** *High-speed data connectivity between the regional police headquarters and more than 20 remote police and border patrol stations throughout Kosovo, enabling secure transmission of telephone, data and video images.*

Background

In conjunction with the United Nations Interim Administration Mission in Kosovo (UNMIK), Kosovo's Police Service (KPS) has deployed a private, encrypted VoIP network using Motorola's Canopy wireless portfolio. Motorola has installed and linked over 20 police stations at regional cities' headquarters and remotely located police and border control stations throughout Kosovo. The system consists of Canopy point-to-point links providing throughput of up to 60Mbps, a VoIP gateway server, PBX telephony functions and remote location telephones. Using the equipment's built-in encryption, phone calls, data and video images are transmitted over six wireless links across a 200km distance. The links create a backbone for a wireless local area network (LAN) with single-link distances of up to 40km. A complete network status report is accessible at any given time by the network's management and control system. Each network radio is monitored and upgraded remotely providing the Kosovo Police with performance reviews and log histories. The Kosovo police are now looking to scale the network to connect all of its border control stations.

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Beyond Wireless is a mini case study that is intended to illustrate a unique deployment of Motorola's MOTOWi4™ Canopy wireless broadband technology. Canopy solutions are part of Motorola's MOTOWi4 portfolio of innovative wireless broadband solutions and services that create, complement and complete IP networks. Delivering IP coverage to virtually all spaces, the MOTOWi4 portfolio includes Fixed, WiMAX, Mesh, and Broadband over PowerLine solutions for private and public networks.



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