

Wireless Solutions for Defense and Security Agencies



EION Solution Highlights

- Scalable, flexible installation
- Turn-key wireless solution
- Proven track record
- Rugged, reliable equipment

Introduction

Defense and Security Agencies around the world are faced with a unique set of challenges when planning their telecommunications network infrastructures. Handling highly classified and sensitive data, and ensuring its protection is a matter of departmental, and sometimes national security. These networks are especially vulnerable to attacks by unauthorized, malicious users, and require real-time, enhanced security and encryption functionalities.

EION's wireless solutions provide powerful capabilities to vigilantly monitor, measure, and extract IP traffic flows in real-time. EION's security patented algorithms provide instant counter-measures to position WLAN infrastructures and business-critical applications for zero tolerance to attacks.

Go wireless with EION and realize the full benefits of broadband wireless networks.

EION's wireless infrastructure can be bundled with an IP video surveillance system and perimeter control devices. This allows perimeter and area monitoring from a single control centre—providing better control and reducing staffing costs.

SOLUTION BENEFITS

- Rugged—for operation in extreme environments
- QoS—guaranteed service delivery and networking
- Secure Networking:
 - Access—WEP, WPA, User Authentication
 - Encryption—AES, DES, Blowfish
 - Application—VLAN, VPN

FAST, RELIABLE BANDWIDTH

EION's advanced point-to-point and point-to-multipoint wireless broadband products are ideal for defense and security agencies because they are fast and reliable and provide the most bandwidth for the investment. Proprietary EION technology minimizes interference and ensures constant service over distance through increased data rates and enhanced reliability.

FLEXIBLE, SCALABLE INSTALLATION

With broadband wireless connectivity, networks can be quickly, easily and inexpensively modified to meet changing requirements. In addition, broadband wireless networks offer the flexibility to painlessly add or eliminate sites, or secure additional bandwidth.

PROVEN TRACK RECORD

With its portfolio of advanced wireless and WiMAX equipment, EION has helped defense agencies in several countries realize the full benefits of wireless networks. EION equipment is at the heart of award-winning network deployments across the globe.

SOLID SECURITY

EION equipment features enhanced security to prevent eavesdropping--thanks to built-in data scrambling that "disguises" data when traveling across the wireless network. The EION product family uses proprietary technology for even higher levels of security. EION has added many features that make it virtually impossible to intercept and decipher transmissions, including irregular transmission patterns and proprietary data formatting.

Sample Application

COMPANY:

A remote military base with several satellite field offices used in training exercises.

APPLICATION:

The military base needed to equip two remote operations stations with broadband Internet access in addition to a secure network for video surveillance and file transfers.

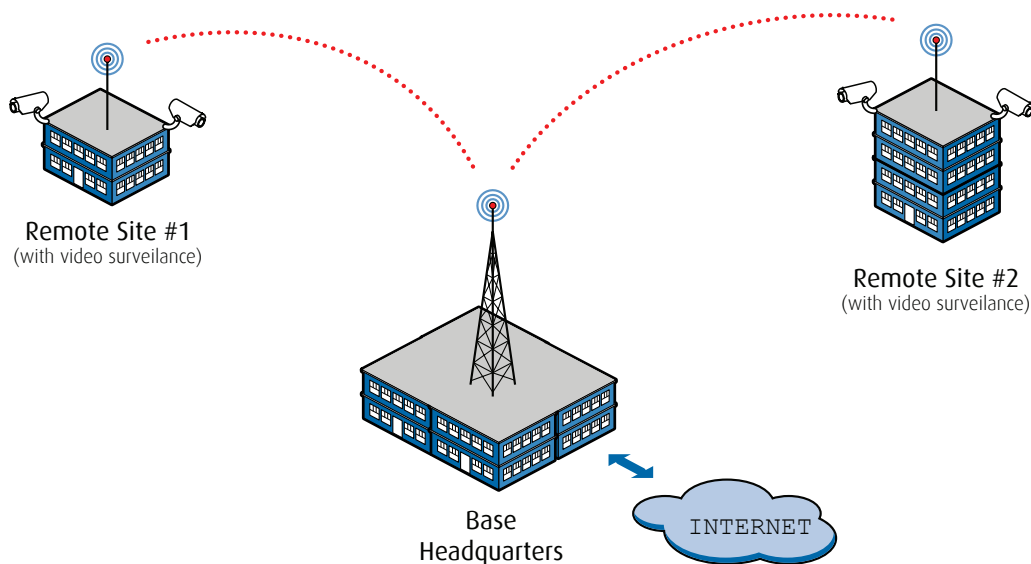
To do this, the base set up a point-to-multipoint broadband wireless network using EION wireless equipment. The wireless network extended the base's broadband communications infrastructure, including its high-speed Internet connection, from the base headquarters to the remote offices.

BENEFITS OF GOING BROADBAND WIRELESS:

- The remote offices were equipped with broadband Internet access quickly because there was no need for time consuming and expensive wire line installations or telephone company service delays.
- Advanced encryption and access control in EION's equipment provided the base with a secure solution.
- Video surveillance and monitoring was easily extended to the remote offices with digital IP cameras.

EION'S SOLUTIONS FOR DEFENSE AND SECURITY AGENCIES SUPPORT MANY DIFFERENT APPLICATIONS, INCLUDING:

- Broadband Internet access
- VPN support for secure applications
- Voice communication (VoIP)
- Video support for surveillance and communications



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EION Wireless, a division of EION Inc., is a global provider of Broadband Wireless products that enable effective, economic and secure wireless high-speed communications solutions. As a Principal Member of the WiMAX Forum with several thousand broadband wireless installations, EION Wireless is committed to providing standardized, interoperable products based on 802.16 standards. The company's licensed and unlicensed frequency products are used by wireless ISPs, private network operators, and remote rural networks and in voice and data backhaul applications to solve last mile challenges. EION Wireless works with more than 165 worldwide channel partners to support its diverse global customer base.