



Solutions for Homeland Security



Alvarion solutions offer public safety agencies mobile broadband for enhanced efficiency and effectiveness.

Homeland Security Solutions: Mobilizing your network

Homeland security agencies - such as police and fire departments, Emergency Medical Service (EMS) bureaus, and military and government installations - thrive on information. In fact, quick and easy access to data can be critical to a successful public safety operation. Indeed, broadband mobile connectivity is crucial when accessing data items such as police reports, suspect profiles, building blueprints, city plans, and medical records from the field. Moreover, the ability to access content-rich data while in the field is of the essence in assigning the right personnel, tools, and support in any given emergency situation.

Until recently, information was gathered by agents in the field and transmitted to colleagues via paper reports. Now, of course, computers have taken over nearly all data collection and storage duties. Technologies such as in-car Mobile Data Terminals (MDTs) have allowed public safety agents to access limited amounts of information because most public safety wireless networks operate on a slow 9.6 - 28.8 Kbps connection. This means that access to large amounts of data is precluded, and the ability to use typical office applications like word processing and database programs are severely limited. In fact, MDTs tend to be useful only for text data functions. So despite tangible, high-tech improvements in public safety, broadband mobile access to the department LAN while in the field just hasn't been possible. Until now.

BreezeACCESS™: Mobilizing the last mile

Broadband mobile access for public safety applications has become a reality with Alvarion BreezeACCESS™ solutions. These solutions wirelessly extend the Local Area Network of public safety organizations, which allows access to emergency information such as vehicle and DMV detail, mug shots, fingerprints, arrest warrant data, and web servers. This connectivity also enables public safety officers to perform typical office applications, such as report writing and email, while watching out for the public welfare. Alvarion BreezeACCESS™ mobile units are the first wireless products to be specifically designed for wide-area, outdoor, broadband mobile use in the public safety arena.

Ruggedized and Optimized for Any Public Safety Application

BreezeACCESS equipment for mobile applications was designed with the rigors of the public safety and homeland security environments in mind. Radios are designed to be easily mountable in most automobile trunks, and are compliant with transportation specification EN300 019-2-5 for shock and vibration. They support an operating temperature range of -25° to 60°C. To make system maintenance convenient for security operations with large fleets, the solution features configurable data service controls with enhanced remote over-the-air management. "Hands-off" maintenance programs allow home office IT personnel a suite of options for managing and upgrading the mobile components of the network.

Fixed Wireless Solutions for Cost-Effective Connectivity

In addition to providing a solution for the mobile needs of homeland security agencies, BreezeACCESS can also deliver fixed wireless connectivity between all facilities within the public safety enterprise. As agencies expand across multiple buildings and environments, they are faced with the challenge of maintaining and upgrading their networking processes to ensure effective communications. Issues such as building-to-building and temporary facility connectivity, mobile roaming services, and the integration of indoor and outdoor solutions are central to determining how the network is deployed to the best advantage of the public safety organization.

With hundreds of successful service provider and local telco deployments, plus the largest fixed wireless installed base world wide, Alvarion products offer a high-performance alternative to DSL and cable networks in terms of bandwidth, quality of service, and reliability. Using Alvarion backhaul, access products, point-to-point, and point-to-multipoint solutions, homeland security organizations can enjoy the freedom and cost-savings that fixed wireless access offers. The mobile broadband solution offers public safety IT departments enhanced efficiency and effectiveness. These solutions require minimal initial investments and feature rapid rollout, facilitating immediate cost-saving benefits.



Secure from Outside Hackers and Resilient to RF Interference

BreezeACCESS solutions are secure, reliable, and scalable. They utilize Frequency Hopping Spread Spectrum (FHSS) technology with built-in collision avoidance and anti-jamming capabilities, ensuring a robust connection. They feature multiple layers of security, including the use of VPN's and WEP to provide a private link. This same VPN technology can also be used to allow multiple departments to share the same infrastructure while ensuring data and access remain properly compartmentalized.

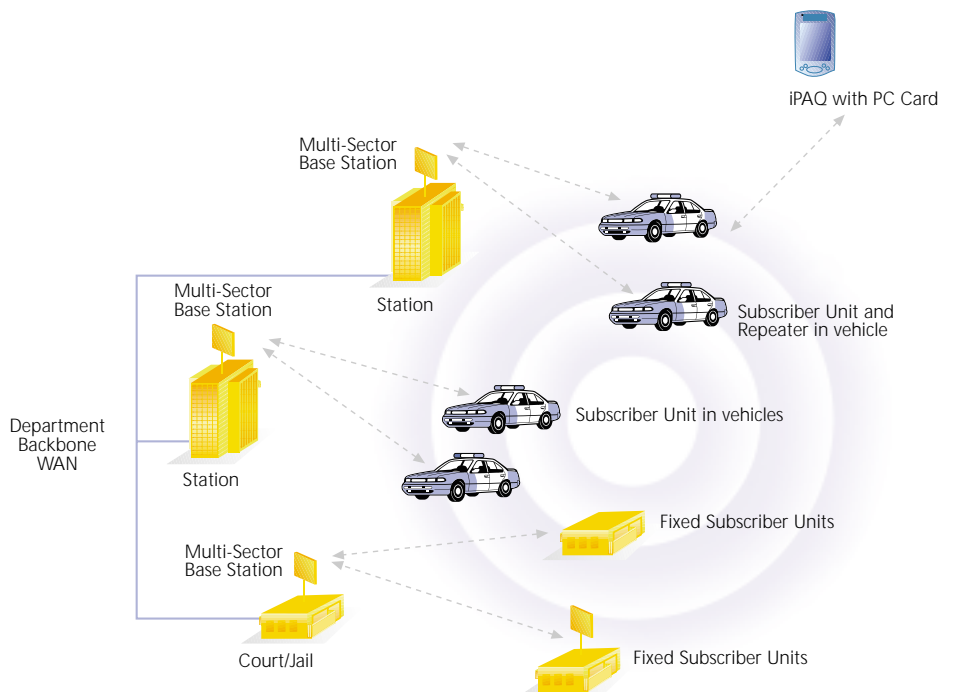
BreezeACCESS technology brings the broadband revolution to the frontline of modern law enforcement and homeland security, by delivering reliable, secure, and mobile wireless access across city- and county-sized areas. The proven strength of Alvarion's BWA technological leadership and successful wireless deployments, coupled with a product line that is designed specifically for the mobile professional, make the BreezeACCESS solution the first choice for public safety agencies.

Product Highlights

- High speed - Long range
- Rugged trunk-mountable unit
- Robust Frequency Hopping Radio Architecture
- Highly secure mobility
- Minimal spectrum planning
- Flexible rapid infrastructure deployment

Technical Features

- Operates on automobile power (9-18 VDC)
- Compliant with EN 300019-2-5 transportation specification
 - Shock, vibration, environmental
- Diversity antenna support
- Ethernet 10BaseT connection to PC
- Wireless connection status utility for PC
- SNMP or Telnet manageable





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