

# Airspan for Public Safety

## Delivering Secure, Reliable, Wireless Connectivity

**Airspan solutions give public safety agencies low-cost wireless broadband with high reliability for secure and real-time video, voice and data services**

Public safety officials and first responders make critical and time sensitive decisions every day based on the information they receive. That is why it is especially important that the information they are receiving is real-time and available at all times.

Public safety organizations are constantly challenged to improve the efficiency of their personnel and systems by accessing new technology multimedia services in addition to the voice-only and data-only networks available to remote units previously. There is also a growing need for inter-agency communication which places an emphasis on standards-based technology solutions. Undoubtedly the accuracy and speed of information received greatly impacts public safety effectiveness. Terrorist attacks and natural disasters experienced over the last several years have further emphasized the need for mobile, flexible and advanced technologies which deliver improved communication in the public safety sector.

Airspan's solutions meet the needs and requirements of modern public safety organizations. Several segments of the market can greatly benefit from these next generation WiMAX (Fixed and Mobile) and Wi-Fi technologies including: Police, Fire, Search and Rescue, EMS, Disaster Management, Border Control, Homeland Security and more.

### **Addressing Public Safety Communications Needs**

In modern First Responder and Security communications networks, many devices are used by officers and agents to access real-time critical information including PCs, mobile data terminals and handheld personal devices. These devices must have secure, persistent and stable broadband access to both the Internet and private agency networks in order to enhance productivity rapidly respond to any situation, anticipate problems and protect the public.

Airspan provides wireless infrastructure for secure, reliable and 24/7 networks, connecting deployed and mobile units, as well as units at fixed locations, to high speed data services (true broadband) and at extended ranges. Exceeding international environmental standards, Airspan equipment is designed to withstand the harshest weather, operating environments and terrain.



### Airspan Benefits:

- Support for real-time applications and services (Voice, Video and datacasting)
- Multi-technology roaming and handover with seamless mobility
- Cost-effective and scalable network
- Voice, video and data with full Quality of Service (QoS) support
- Network security, reliability and resilience, protection against single point of failure
- Solutions for ad-hoc networks for disaster recovery and on-scene surveillance
- Rugged, weather-resistant hardware
- Ease of installation and maintenance
- Extended communication range
- Solutions for 700 MHz, 4.9 GHz and other licensed/unlicensed bands
- High capacity Uplink: Uplink 64 QAM and MIMO
- Multi-cast and Broadband (Uplink and downlink)

### WiMAX Powered Applications:

- Mobile data and VoIP
- Video surveillance (traffic, intersections, problem areas)
- Traffic management
- Meter reading
- Agency coordination
- Automated fingerprint identification
- Facial recognition
- Inter-agency database access
- Remote records management
- Handheld and laptop access
- Computerized licence plate recognition
- Computer aided dispatch
- Ad hoc emergency or disaster recovery
- Cameras/video in vehicles and on emergency personnel



## Airspan WiMAX Equipment



ProST  
Outdoor CPE  
(16d)  
(Wi-Fi option)



MRT  
Trunk-loaded  
Auto-powered  
CPE (16d)



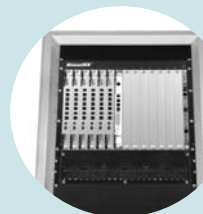
MiMAX  
USB (16e)



MiMAX Easy  
Indoor CPE  
(16e)



MiMAX Pro  
Outdoor CPE  
(16e)



HiperMAX  
Macro  
Base Station  
(16d/16e)



MacroMAXe  
All Outdoor Macro  
Base Station  
(16e)

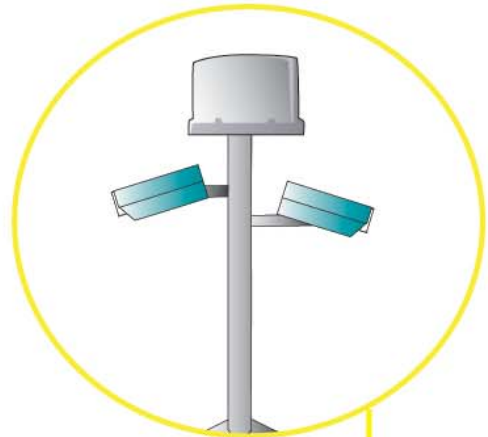




**Ad-hoc/Disaster Recovery**  
WiMAX CPE with Wi-Fi  
hotzone



**Control Center**  
WiMAX Network Management,  
CCTV Camera feed, and  
Agency Coordination



**CCTV Cameras**  
Video feed communicated  
over WiMAX Network

