



# Airspan Solution for the 4.9 GHz Band

## Assisting public safety, first responders and defense entities to protect and serve

U.S. local, municipal and state government entities can hold a license in the 4.9 GHz frequency band as defined under FCC Part 90 rule section 90.523 and are eligible to deploy networks for a variety of applications. The Federal government cannot hold licenses, but can share local or state systems.

Using this specially allocated frequency band, public safety entities can set up a network to transmit voice, data and live streaming video information which is critical to best perform their duties and ensure public safety. Airspan's 4.9 GHz WiMAX solution serves a number of agencies such as first responders, fire fighters, law enforcement, Emergency Medical Services (EMS), disaster recovery, utilities and others. Airspan enables these agencies to operate more efficiently with seamless connectivity, improved inter-departmental communication and real-time access to data/video updates.

WiMAX enabled applications such as:

- Emergency Operations
- Public Safety Communications
- Digital Video Surveillance for improved safety and traffic control
- Automated Meter Reading
- Code Compliance
- DOT Communications
- Building Inspections
- eGovernment Self-Service Kiosk
- Social Services Field Worker

The WiMAX network enables mobile communication for road-bound units such as first responders,

interlinking of remote buildings and locations, and automated feeding of information. These applications are pertinent for efficient government operations and made possible with Airspan's secure, robust, reliable and affordable technology.

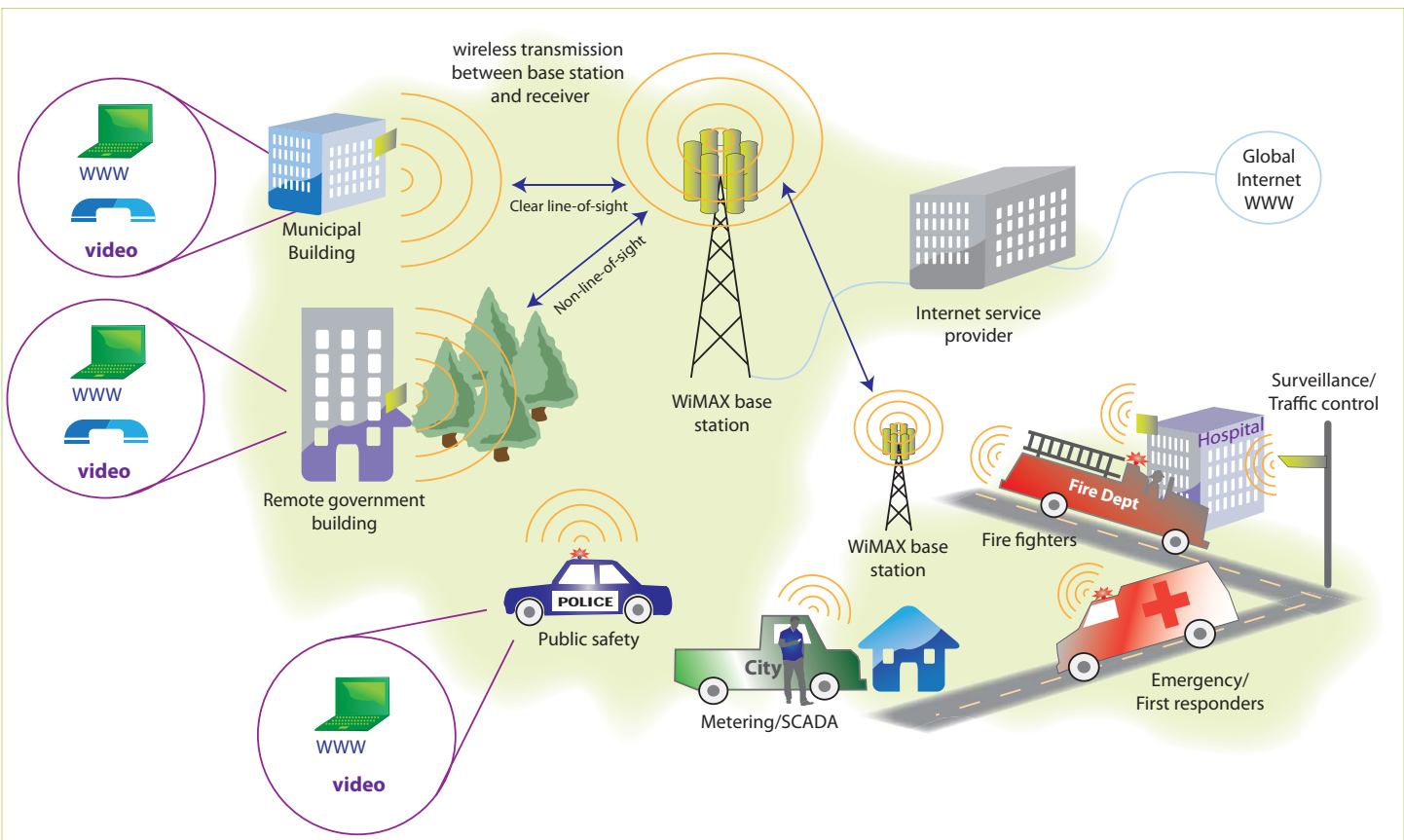
Government entities are under constant public scrutiny and pressure to keep expenditures to low and reasonable levels. WiMAX eliminates the need to dig and install wires and cables that would normally allow inter- and intra-departmental communication. Traditionally, the only way to create a communications network has been to dig trenches throughout the city to install E1/T1 lines, taking a long time to complete, disturbing citizens and costing an exorbitant amount of money. Using a wireless broadband solution allows agencies to benefit from advanced, new-age communications quickly, to keep installation costs to a minimum and to leave the environment and residents undisturbed.

Airspan equipment is designed to extend, enable and enhance public safety communications systems with a platform that is easy to install, modular and scalable.

Airspan 4.9 GHz solution features:

- High capacity and range
- Secure and robust
- FCC certification
- NLOS operation
- Efficient and resistant to interference
- Multi-band capabilities





## Airspan WiMAX 4.9 GHz Equipment Specifications

 			 		
ProST Outdoor CPE	EasyST Indoor CPE	MiMAX USB	HiperMAX Macro Base Stations	HiperMAX Micro Base Stations	MicroMAX Micro Base Station
Standards Compliance IEEE802.16-2004	Standards Compliance IEEE802.16-2005	Standards Compliance IEEE802.16e-2005	Standards Compliance IEEE802.16e-2005	Standards Compliance IEEE802.16-2004	Standards Compliance IEEE802.16-2004
Channel Size 10, 5, 2.5 MHz	Channel Size 10, 8.75, 7, 5 MHz	Channel Size 10, 8.75, 7, 5 MHz	Channel Size 20 (Micro), 10, 7, 5, 3.5, 1.75 MHz	Channel Size 10, 5, 2.5 MHz	Channel Size 10, 5, 2.5 MHz
Tx Power +20dBm	Tx Power Up to +17dBm	Tx Power Up to +17dBm	Tx Power 2x +24dBm	Tx Power +22dBm	Tx Power +22dBm
User Interface 10/100bT Ethernet, WiFi, POTS w/integrated RGW End-to-End VLAN (802.1q)	User Interface USB 2.0	User Interface USB 2.0	User Interface 10/100/1000bT Ethernet / R6 End-to-End VLAN (802.1q)	User Interface 100bT Ethernet	User Interface 100bT Ethernet
Encryption DES	Encryption AES	Encryption AES	Encryption DES, AES	Encryption DES	Encryption DES
	Authentication PKM, PKMv2, EAP-TLS/ AKA	Authentication PKM, PKMv2, EAP-TLS/ AKA	Authentication PKM, PKMv2, EAP-TLS/TLS/AKA	Authentication PKM	Authentication PKM
				GPS Synchronization Distributed	GPS Synchronization Distributed
				Network Interface 100bT Ethernet	Network Interface 100bT Ethernet
				End-to-End VLAN (802.1q)	End-to-End VLAN (802.1q)
				Built-in Spectrum Analyzer	Built-in Spectrum Analyzer

Contact Airspan Networks Today:

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