



Airspan Solution for the 2.5 GHz Band

Connecting users to broadband everywhere and anywhere – at home, in the office or on-the-go

The 2.5 GHz frequency band is one of the most widely available in the world. With broad use throughout the US, Europe, Asia, several countries in Latin America and the Middle East, it is apparent why this band was selected as the first for the mobile WiMAX technology platforms.

Airspan offers both fixed (stationary and nomadic) and mobile product suites for this band, addressing a growing demand for wireless broadband access worldwide. The use of mobile broadband services is accelerating at exceptional rates with increased applications such as gaming, social networking and video for mobile devices. Mobile WiMAX enables users to carry the same user experience they have at home or in the office while they are on-the-go.

Airspan's advanced technology enables providers to deliver fixed, portable and mobile wireless services all on the same network. Delivering superior performance for Voice over IP (VoIP), Video and broadband Internet access, Airspan products ensure highest quality, capacity and range.

Mobile WiMAX means that a user can enjoy bandwidth intensive applications while on the move – whether in a car or on a train. This works due to the network support for handoffs and roaming.

Airspan solutions maintain a connection while the user moves across cell borders, essentially handing off the service from one base station to the next.

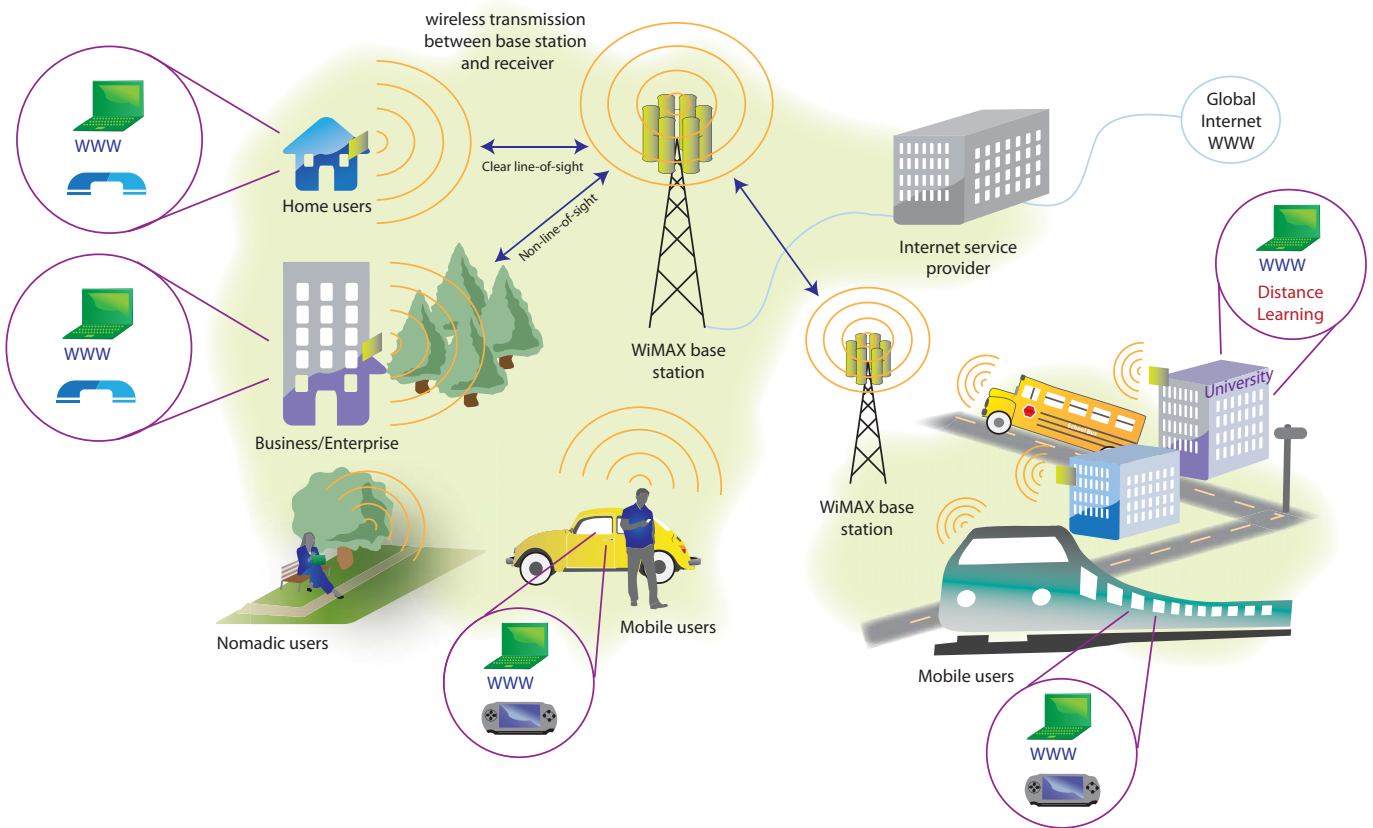
With equipment that incorporates multiple advanced antenna capabilities—MIMO and beamforming—Airspan offers higher throughput and capacity. In addition, service providers benefit from a system that is based on the open standards and vendor interoperability as laid out by the WiMAX Forum.

Airspan is a clear leader in the mobile WiMAX industry with a number of first-ever milestones such as the first and only quad-band USB device and the first ever multi-band handover on a mobile WiMAX network.

Airspan 2.5 GHz solution Benefits:

- Superior performance
- Flexibility – multi-applications, multi-bands
- Quick and low cost deployments
- Pay-as-you-grow network architecture
- Efficient and resistant to interference
- High-speed connectivity while in motion





Airspan WiMAX 2.5 GHz Equipment Specifications

  <p>ProST Outdoor CPE</p> <p>EasyST Indoor CPE</p>	 <p>MiMAX USB</p>	  <p>MiMAX Easy Indoor CPE</p> <p>MiMAX Pro Outdoor CPE</p>	 <p>MacroMAX All Outdoor Macro Base Station</p>
<p>Standards Compliance IEEE802.16-2004</p> <p>Channel Size 10, 7, 5, 3.5, 1.75 MHz</p> <p>Tx Power +24dBm</p> <p>User Interface 10/100bT Ethernet, WiFi, POTs w/integrated RGW</p> <p>End-to-End VLAN (802.1q)</p> <p>Encryption DES, AES</p>	<p>Standards Compliance IEEE802.16e-2005</p> <p>Channel Size 10, 8.75, 7, 5 MHz</p> <p>Tx Power Up to +22dBm</p> <p>CSM - Yes</p> <p>MIMO - 2x2</p> <p>Type Matrix A, Matrix B</p> <p>User Interface USB 2.0</p> <p>Encryption AES</p> <p>Authentication PKM, PKMv2, EAP-TTLS/ TLS/AKA</p>	<p>Standards Compliance IEEE802.16e-2005</p> <p>Channel Size 5 & 10 MHz</p> <p>Tx Power +27dBm</p> <p>CSM - Yes; MIMO - 2x2;</p> <p>Type - Matrix A, Matrix B</p> <p>User Interface 10/100bT Ethernet, POTs w/integrated RGW</p> <p>End-to-End VLAN (802.1q)</p> <p>Encryption AES</p> <p>Authentication PKM, PKMv2, EAP-TTLS/TLS/ AKA</p>	<p>Standards Compliance IEEE802.16e-2005</p> <p>Channel Size 20, 2x10, 10, 5 MHz</p> <p>FFT - 2048, 1024, 512</p> <p>Tx Power - 2x +40dBm</p> <p>GPS Synchronization 8hr holdover, integrated</p> <p>MRC - Yes; CSM - Yes</p> <p>MIMO - 2x2</p> <p>Type - Matrix A, Matrix B</p> <p>Network Interface 1000bT Ethernet / R6</p> <p>End-to-End VLAN (802.1q)</p> <p>Encryption - AES</p> <p>Authentication PKM, PKMv2, EAP-TTLS/ TLS/AKA</p>

Contact Airspan Networks Today:

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