

Airband Communications – Company Overview

Airband Communications is the largest fixed-wireless broadband provider for businesses in the United States. The company offers a comprehensive portfolio of high-speed data, Voice over Internet Protocol (VoIP) and managed solutions – delivered over one of the industry’s most scalable last-mile networks. Airband’s network bypasses local phone and cable companies’ wired infrastructure, providing faster provisioning intervals, immediate scalability and path diversity for Airband customers.

Airband currently serves business customers across 17 markets. The company is expanding its coverage in existing markets including Atlanta; Austin, Texas; Baltimore; Dallas; Des Moines; Fort Lauderdale; Fort Worth; Houston; Las Vegas; Los Angeles; Miami; Orange County, Calif.; Philadelphia; Phoenix; San Antonio, San Diego and Washington D.C.

What Is Fixed Wireless?

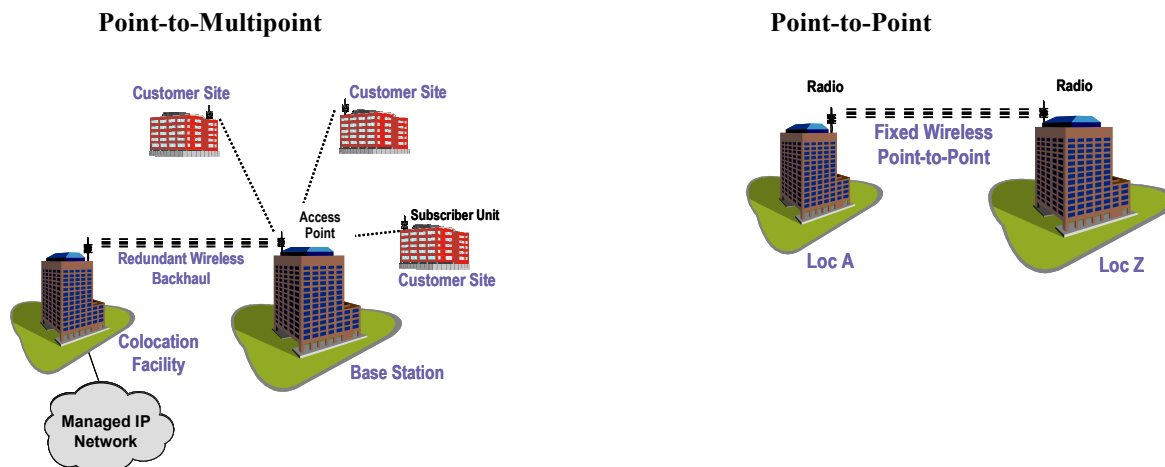
Airband’s suite of services is based on fixed-wireless technology, offering wide-ranging, business-class network services designed to meet bandwidth requirements for companies of all sizes, with up to Gigabit Ethernet (GigE) speeds. Unlike Wi-Fi, which creates small-scale Internet “hot spots” at private and commercial locations, fixed-wireless technology provides much higher bandwidth across large geographic areas, and customers receive quality of service guarantees.

Just as an airplane flies over a crowded freeway, fixed-wireless networks avoid the “traffic jams” of terrestrial-based networks to stream high-speed data, voice and Internet services to customers with remarkable simplicity and reliability. Fixed-wireless services can be installed in a matter of days, and the network is extremely scalable, so customers have the ability to easily increase bandwidth on demand.

How Fixed Wireless Works

Airband delivers its integrated services over its wholly owned last-mile network. Within each market, Airband builds multiple base stations to provide service for its customers. Airband base stations broadcast and receive data through Access Points that typically are located atop tall buildings to ensure maximum range. The signal is received by another radio – Subscriber Units (SUs) – at the customer’s location. Each base station covers up to a 5-mile radius (approximately 78 square miles of coverage) and can serve multiple customers in a point-to-multipoint configuration; most Airband customers receive service this way. Airband’s base stations connect multiple subscribers in the coverage area to Airband’s core network and managed IP backbone.

For customers requiring higher bandwidth, typically above 10 Mbps or dedicated connection between two locations, Airband deploys point-to-point service in both the licensed and the license-exempt spectrum. Point-to-point service can reach up to 20 miles with clear line of sight.



Unlike residential broadband services that are transported by the public Internet, Airband’s high-speed data and VoIP services travel securely via Airband’s private backbone network. This ensures that Airband customers are receiving true, business-class service that is both safe and secure.

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The Fixed-Wireless Advantage

Airband's service differentiation is based on the simplicity of its fixed-wireless network. While traditional networks are mired in mix-and-match technologies pieced together over decades, Airband designed and built its network from the ground up for the sole purpose of delivering fast and flexible broadband solutions to businesses.

Fixed wireless offers a number of compelling advantages over traditional copper and fiber connections, including:

- **Rapid Installation:** Whereas wired service providers take weeks – even months – to provision a connection for a new customer, Airband can activate services for customers in just days.
- **Scalable Bandwidth:** When customers need more network bandwidth, it's as easy as "turning up the dial," and Airband can make it happen in a matter of hours. Such bandwidth elasticity is perfect for growing companies that need to ramp up service over time, or handle short-term spikes for business continuity and disaster recovery purposes.
- **Path Diversity:** Airband's network offers a truly diverse path, which is unaffected by the vulnerabilities of terrestrial networks such as cable cuts that can take days to repair. What's more, Airband offers Dual Path Service Delivery (DPSD), which automatically "fails over" customers' service to the backup circuit to provide even greater protection against downtime.
- **No Upfront Capital Investment:** There is no additional equipment cost to implement Airband's data services, and upgrading circuits does not require equipment upgrade charges.
- **Ethernet Connectivity:** Our service is delivered via an Ethernet connection, making it easy and simple for customers to connect directly to their LAN.

Through increased availability, redundancy and scalability, Airband customers find that fixed-wireless broadband delivers value to their bottom line.

Reliability and Security

Not only is fixed wireless a more efficient and affordable path to high-speed bandwidth, it is as secure and reliable as traditional telecom networks. First, Airband's network is designed with dual paths from each base station to its core network ensuring service reliability. Airband's wireless equipment is not configured for open access, meaning that only Airband and the equipment manufacturer are aware of the data transmission and authentication scheme used to initiate communication. Additionally, data is transmitted to and from Airband customers using 128-bit Advanced Encryption Standard (AES) for an extra layer of security.

From a quality of service (QoS) perspective, Airband deploys eight levels of signal modulation where the network radios automatically choose the appropriate level to ensure optimal throughput during adverse weather conditions. Airband's rooftop radios are designed to withstand up to 120-mph winds. Even through devastating hurricanes, Airband's coastal customers remained online.

Airband backs up its service with a 100% uptime guarantee and is one of the few fixed-wireless service providers that have service-level guarantees on jitter, latency and packet loss.

Leading the Fixed Revolution

As the leading fixed-wireless provider for businesses in the U.S., Airband is known and respected for its local support staff, exemplary service and customer responsiveness. The company is aggressively expanding coverage in its existing markets.

Full Suite of Voice Services

Airband offers a complete range of VoIP services to address the needs of virtually every type of business. Customers can choose from a variety of voice options delivered over Airband's Private IP network:

- **Hosted VoIP** – a fully managed VoIP service that lets businesses eliminate the hassles and cost of managing on-site phone systems. Airband's hosted VoIP services provide customers with the functionality of an enterprise system, and the ability to easily customize calling features via a Web portal.
- **Analog Line Replacement** – allows customers with small PBXs and key systems to replace costly business lines from traditional telephony providers with lower-cost VoIP services while keeping their existing phone system and functionality.
- **PRI Replacement** – medium-to-large enterprises can reduce costs by replacing their existing PRI service with Airband's VoIP Trunking service.
- **SIP Trunking** – customers with IP PBXs can save monthly expenses by leveraging Airband's SIP Trunking services.

