



**towerstream®**

Fixed Wireless Dedicated Internet Access for

***WHOLESALE PARTNERS***



# Towerstream is a leading Fixed Wireless Internet Service Provider

## Delivering Wholesale Dedicated Internet Access to Carriers and Service Providers.

Businesses today require fast and reliable high-speed internet. The demand for Dedicated Internet Access (DIA) means companies require a solution that doesn't only suit today's needs but can scale to address future needs. Fixed wireless is the preferred alternative to fiber for many businesses who either do not have access to fiber or are located where fiber installation is cost prohibitive.

Fixed wireless is a microwave-based technology that allows for the transmission of high-speed data between two fixed sites or locations with uninhibited line-of-sight. There are many compelling advantages for fixed wireless as compared to wired services such as fast installation, scalable bandwidth, true path and network diversity, and easy ethernet hand-off.

## How Does Towerstream Fixed Wireless Work?

Since 1999, Towerstream has owned and operated a state-of-the-art carrier class Fixed Wireless Network using the most advanced millimeter wave technology. Spanning 9 major US markets, Towerstream's Fixed Wireless Internet Network, with a gigabit mesh Ethernet backbone 800 feet above the city, does not rely on the local exchange and bypasses the local loop. Terrestrial diversity allows Towerstream to provide independent and truly redundant Internet connections.

Towerstream broadcasts high-speed carrier grade internet from hundreds of Points-of-Presence (POPs) in our coverage areas. These POPs, which are located on the rooftops of some of the tallest buildings in the US, connected to the Internet through Tier 1 fiber, are capable of delivering bandwidth speeds from 5 Mbps to 10 Mbps to customer locations. Internet is then delivered from the customer's rooftop to customer premise via Cat 5 cable and Ethernet hand-off.



### **Pre-Installation Requirement**

*In order to ensure a smooth and timely delivery of service, Towerstream will require access to the rooftop or balcony at the installation location in order to mount our radio.*

## Towerstream Fixed Wireless is the Preferred Alternative to Fiber for Wholesale Partners

As businesses increasingly turn to the cloud for business operations, business owners are finding that fixed wireless meets their needs for increased bandwidth while improving reliability and performance as compared to traditional fiber optic cable.

- ➔ **Lower Latency:**  
Towerstream's network reduces the number of hops as compared to optical networks, thus reducing the overall end-to-end latency.
- ➔ **Improved Reliability:**  
One of the inherent problems of fiber networks is that the cable runs underground, leaving the network vulnerable to outages. Fixed wireless connections, in comparison, provide point-to-point connectivity hundreds of feet in the air, allowing Towerstream to guarantee 99.99% service availability in our SLA.
- ➔ **Faster than Fiber:**  
Electromagnetic waves travel 50% faster through the air than through fiber optic cables due to the direct "point-to-point" route, providing true speed-of-light benefits.
- ➔ **Physical Diversity:**  
Towerstream's network does not rely on the local exchange and bypasses the local loop, allowing Towerstream to provide independent and truly redundant internet connections with bandwidth options from 5 Gbps to 10 Gbps.
- ➔ **Faster Installation & Lower Costs:**  
Typically, new fiber installations can take months and be cost prohibitive. A Towerstream fixed wireless link can be installed at your business location in a matter of weeks or even days, and at lower costs.

### Fixed Wireless Coverage in 9 Select US Markets

Boston, MA

Chicago, IL

Dallas/Ft. Worth, TX

Houston, TX

Los Angeles, CA

Miami, FL

New York, NY

Philadelphia, PA

Providence, RI

## THE TOWERSTREAM ADVANTAGE

**Carriers, Fortune 500's and Small Businesses**

**All Choose Us for Dedicated Internet Access**



### **Carrier SLA**

We worry about the network so you don't have to. Our industry-leading SLA guarantees 99.99% uptime and provides guarantees for packet loss and latency.



### **Rapid Installation**

No need to wait for fiber. Towerstream can install fixed wireless Dedicated Internet Access (DIA) in a fraction of the time--a matter of days, not months.



### **Symmetrical Bandwidth**

Our throughput is always bi-directional, offering equal speeds. The ideal choice for content creators, streaming, cloud applications, VOIP, and off-site backup.



### **Scalability**

Our scalable Internet connections are able to grow to accommodate your increased bandwidth demands with a simple phone call.



### **Reliable Physical Diversity**

By accessing our redundant upstream providers, core site diversity, BGP and load balancing, Towerstream helps customers maximize network reliability.



### **Customer Support**

Our US-based support team is a phone call away. We are available 24/7, 365 to help customers swiftly resolve any configuration or connectivity issues.



**Contact Us Today for  
More Information:**

Jason Heroux, Partner Manager  
David Earle, Partner Manager  
401-608-8233  
[wholesale@towerstream.com](mailto:wholesale@towerstream.com)

**And Find Us On:**



**MasterStream ERP**  
AUTOMATE • SIMPLIFY • ACCELERATE