

Fixed Wireless Broadband



Secure, point-to-point wireless circuits using proven WiMAX standards. Quick to install. Easy to scale.

Fixed Wireless from EasyStreet® Online Services, Inc. gives Oregon businesses an attractive alternative to traditional telco circuits. Use EasyStreet Fixed Wireless for your business' primary Internet connection, or pair it with a traditional wired connection to create a network with physically diverse redundancy.

A RELIABLE CONNECTION

EasyStreet Fixed Wireless uses proven WiMAX standards to send an encrypted, focused signal. A wireless base station transmits to an antenna on the roof of your building, and the antenna connects to your office using Ethernet. Paths of redundancy are engineered to prevent service interruptions and to protect from environmental variables such as fog and wind.

Features include:

- Symmetrical speeds from 3 to 10 Mbps (and up to 300 Mbps in select locations), scalable through a phone call
- Fast installs — in weeks, not months
- Less expensive than traditional telco circuits
- Can be configured with the appropriate router for automatic fail-over

THE DIFFERENCE BETWEEN FIXED WIRELESS AND WIFI

EasyStreet offers Fixed Wireless, which is different than WiFi. WiFi is designed to connect mobile/laptop computers to a single point, such as a coffee shop hotspot or to a wireless router/access point within the home. WiFi uses unlicensed radio frequencies, so anyone can put up WiFi equipment anywhere. Relatively short range and the potential of interference are limitations of WiFi. In contrast, Fixed Wireless is a direct wireless connection between a base station and a customer premise. Think of it as an invisible, high-speed wire between EasyStreet and your location. EasyStreet Fixed Wireless uses WiMAX standards to eliminate interference and security concerns. All equipment is carrier-grade to ensure high reliability. EasyStreet Fixed Wireless is a business-

class service not available to residential customers or mobile/laptop users.

HOW IT WORKS

EasyStreet's Fixed Wireless partners have built a network of base stations throughout the metro area. If the roof of your business has an uninterrupted view toward a base station and is flat, we can provide EasyStreet Fixed Wireless service. Assuming your site qualifies, one of our wireless partners installs a short mast, antenna and small weatherproof radio on the roof of your building. They then run an Ethernet cable from the radio into your equipment room for connection to your routing and LAN infrastructure. Your EasyStreet Fixed Wireless connection is equivalent to any of our other Ethernet-based high-speed access services, except the "last mile" is without wires. A wireless base station

transmits to an antenna on the roof of your building, and the antenna connects to your office via Fast Ethernet or Gigabit Ethernet.

A RELIABLE SLA

The service's reliability is similar to that of other commercial grade services, such as a T1. Your location connects wirelessly to a base station that has multiple upstream paths to EasyStreet's data center. Some of these paths are wireless; some are wired. From there you have all of EasyStreet's normal network redundancy and connections to multiple Tier 1 backbones. Because the "last mile" of your connection comes through the sky, it is not vulnerable to backhoes or other on-the-ground sources of failure. Contact your account manager to learn about our SLA.

ENGINEERED FOR VARIABLE WEATHER CONDITIONS

Fog and heavy rain could theoretically interfere with a wireless signal, but your connection will be engineered to account for environmental variables, enabling it to perform to your SLA in even the stormiest weather. In the very unlikely case that a lightning strike hits the antenna/radio on your roof, one-business-day replacements are available. All base stations are grounded to protect against lightning strikes.

SECURE, ENCRYPTED DATA

EasyStreet Fixed Wireless base stations use high-gain, directional antennas, so the signal is tightly focused and directed toward your building. Theoretically, someone positioned directly between

the base station and your antenna could receive the signals. Just receiving the signal would not help them much, however. All data is encrypted.

EASILY SCALABLE WITH A PHONE CALL

Speeds range from 2 to 10 Mbps (and up to 100 Mbps in select locations), scalable through a phone call within the range your equipment allows. We will have you at your desired speed within one business day. Not all locations qualify for all speeds.

A COST-EFFECTIVE ALTERNATIVE

Costs for Fixed Wireless connections are typically lower than for traditional telco circuits. Setup charges include installation and all necessary wireless equipment (radio, antenna, mast) plus up to 100 feet of Ethernet cable.

SETUP IS FASTER THAN WIRED CIRCUITS

First, we need to make sure EasyStreet Fixed Wireless is available to your location. It typically takes 1 – 3 weeks to conduct a site survey to determine whether the roof of your building can see a base station. We will need roof access to your building to definitively qualify your location. If you qualify and sign up for the service, it typically takes 1 – 2 weeks for installation. We professionally install the antenna, radio and mast on the roof of your building (with permission and a signed roof rights agreement from your building manager). Our technicians install up to 100 feet of Ethernet cabling between the radio and

a roof handoff. Cabling between the roof handoff and your equipment room is your responsibility; however our technicians can do the work for time and material billing if desired. If there are special circumstances involving your location, we can recommend qualified network contractors to link your office to the antenna using Ethernet.

PROVEN PARTNERS

EasyStreet's Fixed Wireless partner is Freewire Broadband. Using Freewire's base stations, which have a wired connection to our data center, EasyStreet provides the Level Two transport connectivity and IP. EasyStreet coordinates all aspects of the installation of this service, including a site inspection of your facility. All billing and support is through EasyStreet.

WIDELY AVAILABLE TO OREGON BUSINESSES

We can provide service to most locations in the greater Portland and Salem metro areas, including Vancouver, Scappoose, Forest Grove, Hillsboro, Beaverton, Tualatin, Tigard, Wilsonville, Lake Oswego, Newberg and Gresham. In many cases, we will need to conduct a site survey to see if your roof can see a base station. A flat rooftop is required. We will be happy to let you know whether your location qualifies.

For more information about EasyStreet Fixed Wireless or other EasyStreet services for IT Professionals, contact us at 503-646-8400 or visit www.easystreet.com.



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