

# SEI Communications FACT SHEET Fiber-To-The-Home (FTTH)

## What is fiber optic cable?

Fiber optic cable is a bundle of fiber optic threads made of pure glass each about the diameter of a human hair. Fiber optic cable uses light instead of electricity to carry a digital data signal. Therefore it is able to transmit information at virtually unlimited speed and capacity (higher bandwidth).

## What is Fiber-To-The-Home?

Fiber-To-The-Home, (FTTH) is the delivery of a communications signal over optical fiber from the operator's switching equipment all the way to a home or business. FTTH is a relatively new and fast growing method of providing vastly higher bandwidth to homes and businesses.

## Why is fiber preferred to copper or coaxial cable?

Optical fiber is unique because it can carry a high-bandwidth signal enormous distances. The longer the distance the signal travels on copper or coaxial cable, the lower the bandwidth. Fiber networks can also be upgraded by changing the electronics or using different lasers that increase the bandwidth without changing the fiber itself. That's why fiber networks are said to be "future proof".

## What's in it for me?

FTTH technology will open a whole new world of superior quality internet and phone services to you and your community. With FTTH and the increased bandwidth it provides, you will be able to stream music, videos, and much more on all your web-enabled devices. Lightning Fast - Internet speeds starting at up to 6Mbps.

## What will happen in my area?

When SEI upgrades the FTTH network in an area, the entire exchange will be completed. The old copper cable will no longer be maintained and will be retired once service is cut-over to the fiber optic cable.



**Future Proof Technology**  
for Entertainment, Security,  
and your Web-Enabled Devices  
and More!

If you have any questions,  
comments or concerns  
about this project,  
please contact us.



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**Lightning Fast**

**Fiber  
To  
The  
Home**



Hi, I'm Mike Leach, General Manager of SEI Communications.

I'm pleased to announce Fiber-To-The-Home is nearing completion in the Moores Hill exchange which provides lightning fast internet and telephone service of superior quality. It has taken over two years to lay more than 100 miles of fiber. We are now moving on with Phase 2 in the San Jacinto exchange. Our long-range plan is to complete the Fiber build-out in our entire serving area.

I'm also happy to say fiber optics will place our cooperative light years ahead of most communities of similar size. Fiber technology has the potential to attract investment and it may improve the quality of life. Fiber High-Speed Internet is far superior over any other.

Fiber is here to stay...it's future proof...our network will be able to handle any electronic development in the future.

We ask for your patience during this construction period and believe you will find the Fiber benefits worth-the-wait.

On behalf of our Board of Directors, and all of the SEI Employees, I thank you.



*Mike Leach*

**WILL ANYTHING NEED TO BE MOUNTED ON MY HOME OR BUSINESS?**

A small box, known as an Optical Network Terminal (ONT), will be placed outside of your home/business. It contains the electronics that convert a signal of light from the fiber into usable phone and internet. It measures 12" x 10" x 4". In case of a power outage, (phone service only), a battery backup box will be installed to supply power to the ONT. Under normal use the battery will last up to 8 hours. (SEI will need access to an electrical outlet, per electrical code specifications). The battery backup measures 9.25" x 6.25" x 3.5".



(Outside)

**Optical Network Terminal (ONT)**



(Inside)

**Battery Backup Box**



FTTH Price Sheet  
Moores Hill Exchange  
(Where Available)

**Lightning Fast Fiber Advantage 1000 Bundles**

	Up To Download/Upload	Monthly Retail Price
Residential	6/1	\$64.95
Single Line Business	6/1	\$71.30
Multi-line Business	6/1	\$67.95
Residential	10/2	\$74.95
Single Line Business	10/2	\$81.30
Multi-line Business	10/2	\$77.95
Residential	25/10	\$89.95
Single Line Business	25/10	ICB*
Multi-line Business	25/10	ICB*
Residential	100/20	ICB*
Single Line Business	100/20	ICB*
Multi-line Business	100/20	ICB*

A 1-year contract is required. Subscriber line charges, federal and state taxes, and other mandated surcharges are assessed in addition to retail price. Domestic U.S. direct-dialed calls excluding Alaska and Hawaii. Not available for data calls. Excludes, calling card calls, collect calls, inbound 800 calls, directory assistance. Calls are billed as made at volume discount rate and long distance minutes exceeding the number of minutes in the bundle will be billed at \$.09 per minute. Billing is through eBill Service only (Click, View & Pay at [www.seicomcommunications.com](http://www.seicomcommunications.com)). SEI retains the right to terminate this plan for a single account or all accounts without prior written notification. Download and upload speeds are up to and are not guaranteed. High-traffic users may be subject to additional charges. Additional terms and conditions

\* ICB (Individual Case Basis Pricing)

All Bundles Include:  
Unlimited Local Telephone Service  
1000 Long Distance Minutes  
(5) Calling Features  
Modem/Wireless Router