

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. SEI continually monitors new technology and innovations to determine their viability for our subscribers as future offerings. With FTTH and the increased bandwidth it provides, you will be able to enjoy music, videos, and streaming *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.



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



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Lightning Fast

Fiber
To
The
Home



**MOORES HILL EXCHANGE
FIBER-TO-THE-HOME INTERNET SERVICE
NEARLY COMPLETE**

The Board of Directors and Mike Leach, General Manager, reported at the 2009 Annual Meeting, "that when we look into the future, we see the need for more bandwidth to our customers and we are planning accordingly. We are working on a design to push fiber optic cable closer to the homes and businesses of our customers that want and need faster speeds to the internet." Fast forwarding to the year 2012, they proudly announced at the Annual Meeting, "Our broadband improvement project is on track and the Moores Hill exchange should be finished by the end of the year. We will move to the San Jacinto exchange as soon as weather permits in 2013."

The Phase 1 project took over two years to lay approximately 92 miles of fiber and it will place the Moores Hill exchange light years ahead of most towns of similar size. One of the biggest advantages that our customers will notice when they order the FTTH service is *Lightning Fast Internet...streaming video, music and movies, uploading large pictures and files, gaming and much, much more.*

Announcing...Fiber-To-The-Home Internet service in the Moores Hill exchange will soon be available! Residents and businesses in this area can expect direct contact from SEI Communications in the near future with more information about this exciting technology.

SEI Communications is working hard for you and is committed to complete the Fiber-To-The-Home build-out to our entire serving area. We ask for your patience during this period and believe you will find FTTH benefits worth-the-wait.

**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)**

**Battery
Backup
Box**



(Inside)



**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.seicomunications.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 apply.

* ICB (Individual Case Basis Pricing)

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

SEI Communications - bringing you the latest in technology!