

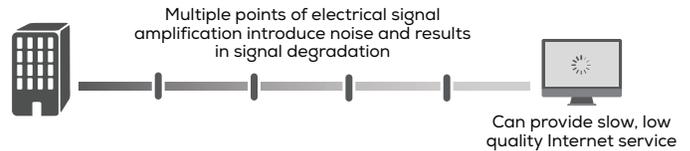
# FRONTIER WHOLESALE FIBER TO THE PREMISE (FTTP)

Frontier has increased their network fiber by 75% with our recent acquisition, bringing world-class fiber infrastructure directly to your customer's premise—an investment you can leverage to build your subscriber base. Frontier's FTTP service allows you to offer the highly reliable Internet service customers demand, along with capabilities such as symmetrical bandwidth speeds and flexible, scalable services.

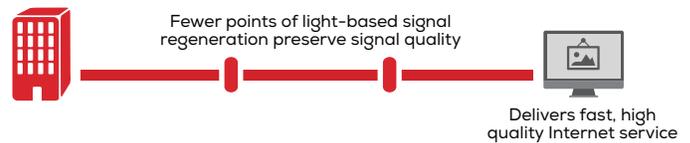
## MORE RELIABLE

Frontier's FTTP service can provide greater reliability than traditional cable Internet services. The difference is in the signal: cable systems use electrical signals that are susceptible to interference from other sources, such as power equipment. Frontier's FTTP Internet service relies on light-based signals that are immune to most types of interference—ensuring high quality Internet access for your customers.

### CABLE ELECTRICAL SIGNALS



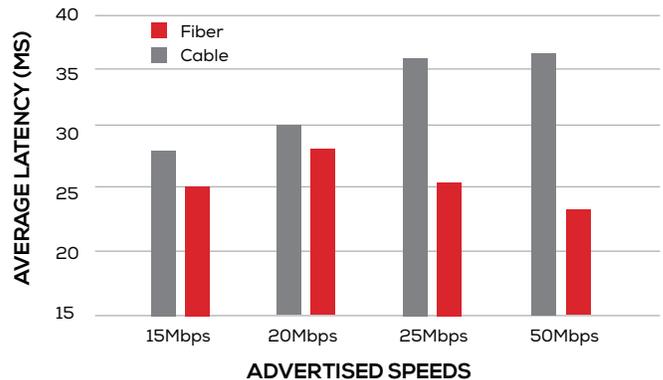
### FTTP LIGHT-BASED SIGNALS



## BETTER PERFORMANCE

Fiber has low latency—meaning there is very little delay when data travels between the Internet and the user. This low latency is also an excellent indication of how well voice and video services will perform. If you're looking to provide high quality, value added services to your customers, you can rely on Frontier's FTTP connections to provide a superior end-user experience.

### LOWER LATENCY OF FIBER

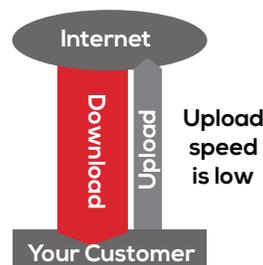


\*Average peak period latency in milliseconds, by technology type. Adapted from <https://www.fcc.gov/general/charts-measuring-broadband-america-2014#chart14>

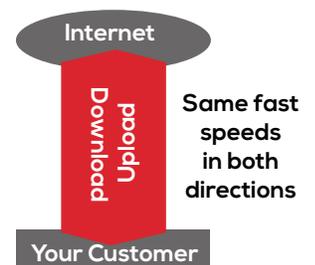
## SYMMETRICAL AND SCALABLE

Traditional cable Internet services have limited upload speeds that are slower than their download speeds. With Frontier's FTTP, you get symmetrical speeds with equally fast uploads and downloads, helping you meet the expectations of your customers. The service is also highly scalable, so you can offer an initial set of speeds to your customers and easily increase the range of speeds as your business grows—without additional work on your end. It works the same way for your customers: they can select the speed they need today and easily change it in the future.

### ASYMMETRICAL SERVICES

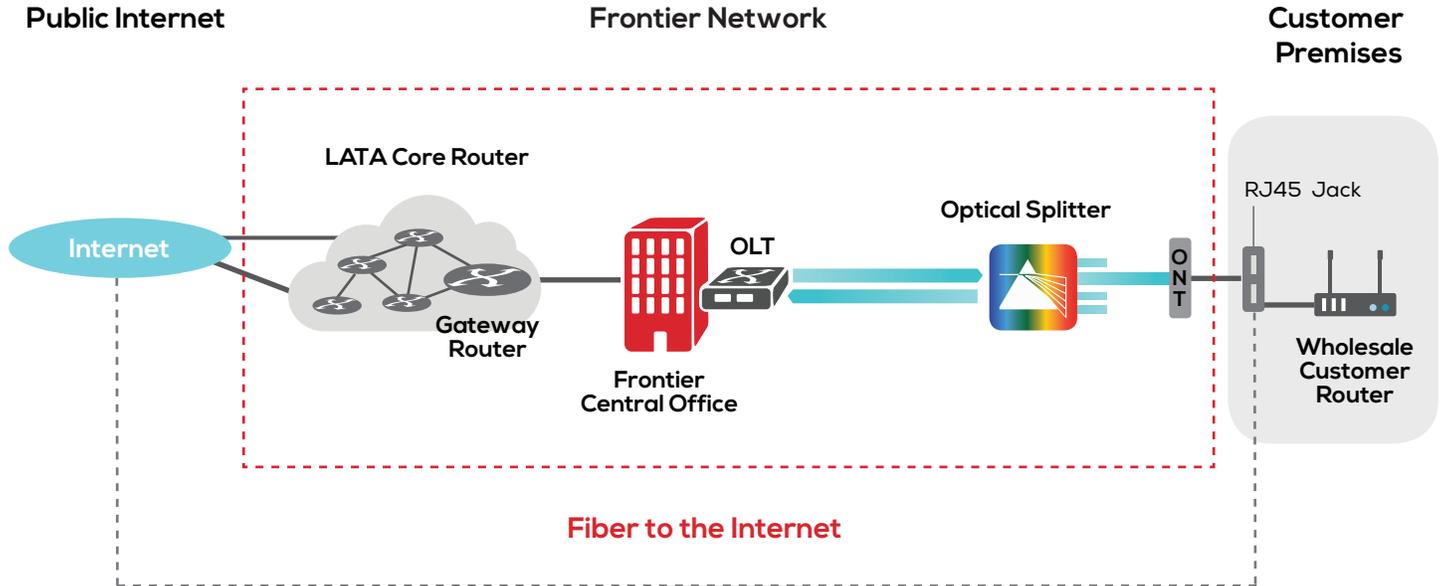


### SYMMETRICAL SERVICES



## HOW FTTP WORKS

Frontier makes it easy for you to deliver great Internet service to your customers. We maintain the network elements, fiber connections and the Optical Network Terminal (ONT) installed at the user's premise. The Wholesale customer has responsibility for internal wiring and the router inside the customer's premise.



### FRONTIER: DID YOU KNOW?

Frontier Wholesale has coverage wherever you need it with over 140,000 fiber route miles. We've also doubled the number of representatives in our service centers to help our customers. Frontier knows that you like to work with people who are local to you, when possible, and we have dedicated teams for sales, engineering and technical support set up regionally to do just that.

Thank you for taking the time to learn more about Frontier, and the cutting-edge services we can offer you. Be sure to ask your account manager about all the changes we've made to our business to better help you grow yours.

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