

Why is Alpine Communications investing in FTTH?

Alpine Communications is excited to bring you this next generation of communications technology. It is all part of our commitment to provide exceptional customer service to our customers. FTTH offers many advantages to residential customers and businesses alike and prepares everyone to enjoy an even greater selection of communications options in the future.

Have more questions
about Fiber to the Home?
Just give us a call.



Phone: 563-245-4000
www.alpinecom.net
923 Humphrey Street
Elkader, IA 52043



Answers to your
questions about
Fiber to the Home



Real Access. Real Value. Real People.

What is Fiber to the Home?

Fiber to the Home (FTTH) refers to the installation and use of fiber optic cables to carry digital information directly to homes and businesses. These cables are made up of hundreds or thousands of fiber optics, which are long thin strands of pure glass about the diameter of a human hair.

FTTH replaces the duplicate infrastructure that telephone and cable companies previously installed in neighborhoods. Fiber has a higher bandwidth capacity and can easily transmit applications like telephone and Internet with plenty of capacity left over for other applications in the future.

What are the benefits of FTTH?

FTTH provides many benefits to Alpine Communications customers including:

- **More Bandwidth**

Fiber has the capability to transport virtually unlimited bandwidth. This will accommodate today's demand for high speed Internet connections as well as the advanced applications of tomorrow. The closer the fiber is to a home or business, the more bandwidth will be available for the end user.

- **Greater Reliability**

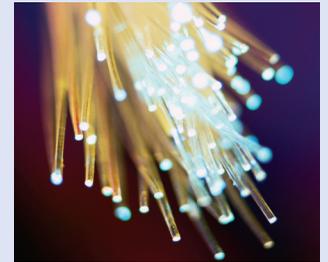
Fiber optic cables are less susceptible to glitches than traditional copper wires and can withstand the shock and vibration from inclement weather.

- **Future Flexibility**

FTTH is considered "future proof" and offers the flexibility to deliver additional services in the years to come.

- **Cost Efficiency**

Fiber optic cable can be made for less than the equivalent length of copper wire and is more durable. Although the FTTH project requires expenditures now, it will save Alpine Communications money in the future while keeping us at the forefront of technology.



First In Iowa

Alpine's Fusion Network is the first and only fiber optic network in Iowa to be certified by the Fiber To The Home Council. With this certification, Alpine was awarded a badge which signifies that an installation meets the FTTH Council's standard for running fiber optic cable all the way to the boundary of the home premises. This ensures that there is no confusion and our customers know they are getting the quality and bandwidth that are present only when fiber is run all the way to the home.



FTTH is a Green Technology

Updating the last mile in America's telecommunications networks with FTTH will deliver substantial environmental benefits in the short term. A recent study showed that supercharging bandwidth in American homes with FTTH, by enabling more telecommuting, is an environmentally sustainable activity that goes 'green-positive' in six years. Not only is FTTH a good business proposition for Alpine Communications, but it is also a good way to go green.

