Fiber optic internet is the way of the future.

Xpert Technologies
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FIBER OPTIC INTERNET IS THE WAY OF THE FUTURE

HOW FIBER OPTIC WORKS

Fiber optic offers many advantages over traditional copper-based lines like DSL or cable. Known as the golden standard of internet connection, fiber optic is able to transmit data much faster over longer distances – making it the fastest form of broadband technology. Fiber optic internet uses optical cables that are made up of thousands of fibers which are long, flexible, and made of ultra-pure glass. The optical cables are used to transmit data signals which get you connected to the internet and enable online activity. Because the cable is smaller in width and weight, it is an ideal solution for a broad range of cabling problems. The conductor is made up of glass, which means it cannot generate electricity – making it immune to all kinds of interference problems.

Fiber optic cables can come in contact with high-voltage electrical equipment, power transmission lines, lightning, and external electrical noise without compromising its superior performance. While competing solutions also promise to deliver
high-speed connection, a fiber optic infrastructure offers the most reliable, scalable, and cost-efficient means of internet access.

Xpert Technologies provides a dedicated fiber optic connection for your business – so you can experience fast, reliable, and scalable internet connectivity that your business success depends on.

WHAT MAKES FIBER OPTIC DIFFERENT?
If you are interested in growing your business to become faster and more efficient with instantaneous connection speeds, then fiber optic is your best bet. Other high-speed internet solutions like cable are based on shared bandwidth. That means your internet speed may fluctuate depending on the number of users and companies sharing the network. Your business may not be able to experience the highest speed possible, especially during peak hours. Here’s what makes fiber optic different:

FASTER CONNECTION
When using optical cables, data can travel extremely fast, which means you can get online instantaneously. Fiber optic provides far faster connection speeds than coaxial cables or DSL. With fiber broadband, you can transfer huge amounts of data quicker than ever before. This means you can connect with remote employees, clients, and business leaders from all over the world through a lightning-fast and seamless connection.
RELIABILITY AND EFFICIENCY
Optical cables don’t absorb light that travels through them, meaning your data can travel greater distances without experiencing degradation. The frequencies that are used in fiber optic cables are much higher, and the data capacity is much larger. The fiber-optic cable itself is made from glass that is not susceptible to electromagnetic interference like metal cables. This allows your signal to stay intact and your data to flow over great distances without deteriorating.

CONSISTENCY
Fiber optics systems provide consistently higher speeds than conventional metal wire or copper. Interference and energy loss are the most common limitations when it comes to communications transmissions. According to the FCC, companies providing fiber optic internet connections offer 117% of their advertised speed during peak times, greater than that of the 84% with DSL and 99% with cable. Fiber optic handles these factors better than any other modes of transmission. In the future, more of our world will be connected via fiber optics as we outgrow the old copper-based infrastructures.
PAVING YOUR WAY TO SUCCESS WITH FIBER OPTIC

Fiber optic internet is the way of the future. Here at Xpert Technologies, our team is ready to revolutionize your telecommunications infrastructure – so you can send and receive data faster than ever before and grow more efficient. If you’re ready to take the first step towards an optimized network with faster connection and reliable internet, contact Xpert Technologies today for a free consultation!

“FIBER OPTICS SYSTEMS PROVIDE CONSISTENTLY HIGHER SPEEDS THAN CONVENTIONAL METAL WIRE OR COPPER. INTERFERENCE AND ENERGY LOSS ARE THE MOST COMMON LIMITATIONS WHEN IT COMES TO COMMUNICATIONS TRANSMISSIONS.”