

A newsletter from your friends at RC Technologies

THE COMMUNICATOR

Vol. 22 No. 5 May 2024

605-637-5211 | www.tnics.com



FIBER IS THE BEST

Fiber Internet Outperforms Other Technologies In Delivering Internet

With all the advertisements from various internet providers claiming to be the best, it can be very confusing to determine the best internet for your home or business. There is a clear choice as to which technology is the best: Fiber Internet.

Fiber's unique characteristics position itself at the forefront regarding reliability, speed, low latency, and overall performance.

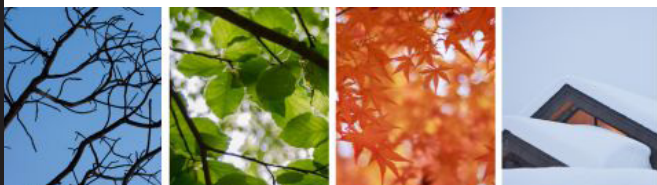
Let's rediscover the excellent benefits of fiber internet.

THE MOST RELIABLE

Fiber optic technology, renowned for its reliability and efficiency in data transmission, owes much of its performance to the unique structure of its cables. Fiber-optic cable is a flexible cord with a core composed of thin strands of glass which light signals are transmitted. The core is encased in a layer called the *cladding*, which reflects light back into the core, ensuring minimal signal loss and allowing for data to travel long distances almost instantaneously. The precise engineering of the core and cladding enables transmission of information at the speed of light. Its structure and durability makes fiber-optic cable immune to weather conditions and external interferences making fiber an indispensable backbone for modern digital communications.

Other internet technologies, such as wireless, cellular, and satellite, are susceptible to environmental factors like humidity, temperature fluctuations, severe weather, snow, ice, wind and interference in the line of sight to an antenna or tower. Leaves on trees, the trees themselves, buildings, mounds of rock, and farm equipment are obstacles that can get in the way of signals, some of which can't be controlled.

Fiber internet ranks #1 in performance in all kinds of weather.



THE INCREDIBLE SPEED

The primary advantage of fiber is its speed. Fiber-optic technology enabling data to be transmitted at the speed of light from devices through fiber-optic lines at speeds that far exceed copper, cellular, and wireless. In addition, the delivery of the data speed can be symmetrical, meaning the upload speeds are as fast as the download speeds, which is particularly beneficial to many businesses, remote workers, and others in the workforce who jobs rely on being able to uploads large amounts of data and images such as realtors, auctioneers, inventory managers, etc.

LOWEST LATENCY

Latency is a term used to describe how long it takes for a signal to travel to a destination and back. With the lowest latency—or lowest delay in transmitting data—fiber internet enhances in real-time applications, like online gaming and video conferencing, making activities feel more immediate and responsive.

BEST FOR ENTERTAINMENT

Fiber internet has the ability to handle high-definition (HD) and 4K video with ease. As streaming content (programming) increases in higher resolutions, the bandwidth requirements for a smooth streaming experience will also increase. Fiber internet's high-speed ensures you can watch their favorite TV at the best quality available, without compromising on speed or experiencing interruptions.

ABILITY TO HANDLE MULTIPLE DEVICES

Fiber is particularly beneficial for households with multiple devices streaming TV simultaneously or gaming, as fiber internet can accommodate several devices without a noticeable decrease in performance.

PAINFUL MEMORIES OF PREVIOUS TECHNOLOGIES

Before RC had fiber, our network was comprised of two systems, copper and wireless. Fiber has improved our service and has enhanced our patrons' lives and their online experience. Frustrations with slow internet, no internet, the constant need to reboot the wireless internet or adjust antennas are distant memories, thanks to fiber. Rediscovering how reliable and impactful fiber optic has been to our day-to-day, why would anyone want to go back to other technology and a harder way of living?



eBill Mobile app



Apps make tasks simple. eBill Mobile App does just that. It allows you to access your RC Technologies account anytime -anywhere, from your mobile device!

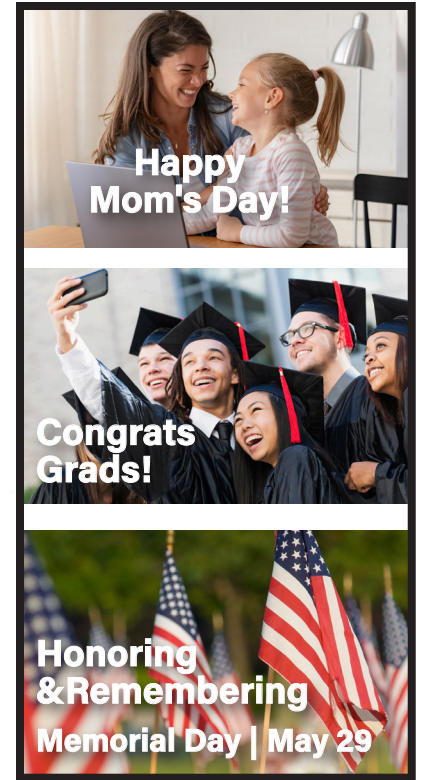
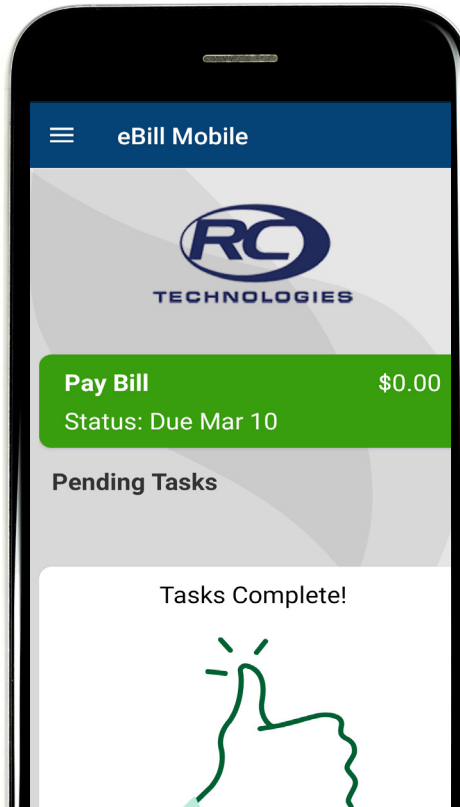
Download the eBill Mobile app from the Apple App Store or Google Play.

Once the eBill Mobile app is downloaded, enter in your zip code, then select "RC Technologies" as your provider.

Enter your eBill username and password. Don't have one? Simply enter in your RC InvoiceNumber and Amount Due.

Need assistance?

Call our office at 605-637-5211, 8 a.m. to 5 p.m., Monday through Friday.



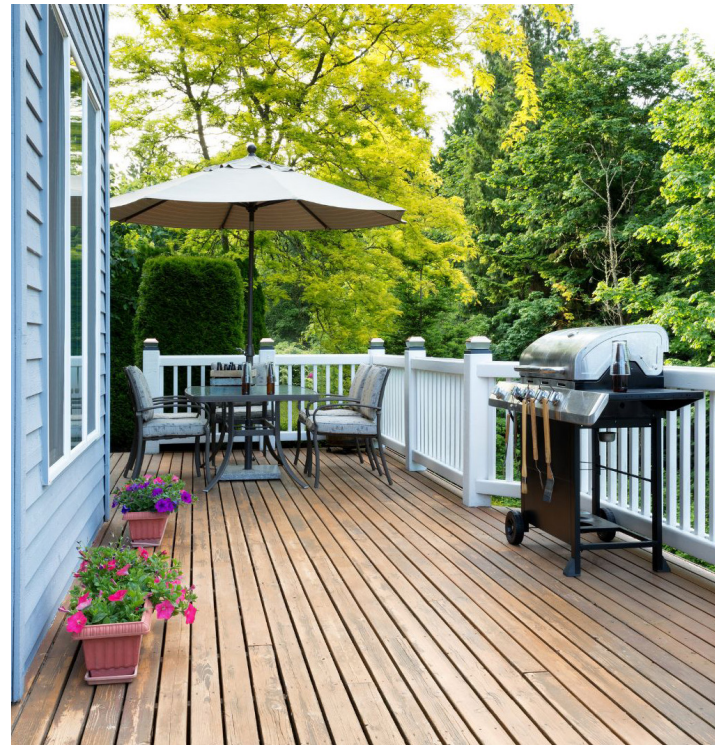
Spring into Innovation!

Springtime, with its essence of renewal and growth, brings forth numerous opportunities to leverage technology for enhancing both our daily lives and the natural environment around us. As the season transitions from the dormancy of winter, technology plays a pivotal role in agriculture, home improvement, and personal well-being, showcasing its versatility and importance.

In the area of agriculture and gardening, technology's impact is profound. Innovations such as precision farming tools and satellite imagery allow farmers to optimize planting schedules, monitor crop health, and manage resources more efficiently, leading to increased yields and sustainability.

For home gardeners, smart gardening devices, including sensor-equipped plant monitors and automated watering systems, ensure plants receive the precise care they need for growth, making gardening more accessible and enjoyable for everyone.

Beyond the soil, technology enhances our spring experiences through home improvement and personal well-being apps. Smart home devices can assist us in adjusting our homes to the changing season by regulating temperature, humidity, and even air quality to create a comfortable living environment.



Innovation For The Season

HOME IMPROVEMENT

- Wireless Thermostats
- Wireless Irrigation Systems
- Flood Managing Devices

HEALTH & FITNESS APPS

- Strava
- Nike Training Club
- FitOn

Health and fitness apps encourage outdoor activity, tracking progress and offering personalized advice to improve physical health as the weather warms. Furthermore, mobile photography apps and portable devices allow us to capture and share the rejuvenating beauty of spring, connecting us more deeply with the nature and each other. As we embrace the season of renewal, technology stands as a valuable ally, enriching our interactions with the environment and supporting sustainable, healthy lifestyles.