a look into fiber internet

OPTIC INSIGHTS

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WHAT SUCKS THE LIFE OUT OF YOUR BANDWIDTH... UNLESS YOU HAVE FIBER

Many internet users experience a sluggish connection even with “high-speed internet.” They’ve invested in a good Wi-Fi router, perhaps a mesh unit, and may have even upgraded to a faster internet plan.

So why do they find themselves frequently frustrated by slowdowns and freeze-ups? What about their devices—or internet plan—causes this underwhelming performance? And what, if anything, can people do to reduce or even eliminate these issues?

The most likely culprits behind poor internet performance are bandwidth hogs—devices and online activities that gobble up too much bandwidth and slow down everyone’s internet access.

The good news is that Intelecyn, Powered by RTC Communications’ advanced fiber network, provides exceptionally high download speeds and the much-overlooked bandwidth capacity that only fiber internet can offer. Combined, fiber’s high speeds and excellent bandwidth can end internet sluggishness.

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WHAT IS BANDWIDTH

and Why Is Higher Bandwidth So Important?

Bandwidth can be confusing. Bandwidth is the amount of information an internet connection can manage per second.
Bandwidth doesn't measure a particular internet connection's rate (or speed). Instead, it's about the volume of online data a connection can "carry" and transfer at any given time.

High bandwidth levels let internet users accomplish activities like streaming TV shows, participating in video calls, playing online games, and posting to social media simultaneously without any slowdowns.

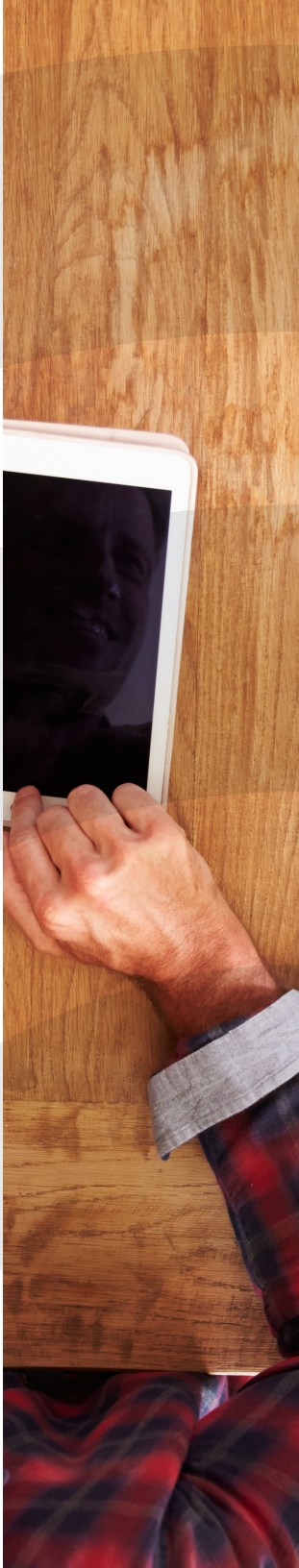
More bandwidth is indispensable for keeping an active online household productive—and happy!

WHAT EXACTLY IS A BANDWIDTH HOG?

A bandwidth hog is a colloquial term for a device or online activity that eats up more than its fair share of bandwidth. It hogs too much bandwidth and greedily takes it from other devices or activities. Remember that everyday web browsing typically has little impact on overall bandwidth use.

Some devices are famous bandwidth hogs. By turning on and connecting these devices, a considerable amount of available bandwidth on your internet connection will be used.

And certain activities require excess bandwidth to carry out your needs. So, when even one (or more) bandwidth hogs are activated, the dreaded slowdowns and freeze-ups can occur, leading to frustration and anger in your home!





SMART RURAL COMMUNITY

GIG-CERTIFIED PROVIDER

COMMON HOUSEHOLD BANDWIDTH HOGS

SMART TVS

Today's smart TVs feature enhanced technology that displays amazing picture quality.

High-definition, 4K, and 4K Ultra-HD TVs produce stunning imagery and hog lots of bandwidth in the process. Using your smart TV will devour an enormous slice of your home internet's bandwidth. If you have limited bandwidth capacity, your smart TV could impact other devices and online activities or even slow down a show you want to watch.

VIDEO STREAMING

The activity with the most excessive bandwidth use is streaming video.

Netflix tends to be the top offender, partly due to its popularity and vast content library. Many people stream shows and movies on other devices like their tablets rather than just their smart TVs. And if you have more than one person in your household—and multiple tablets and phones—bandwidth can quickly be taken up by streaming shows and movies. And there are other problems besides Netflix.

Streaming services like TikTok and YouTube also use lots of bandwidth. Posting TikTok videos also compounds the bandwidth problem because it involves sending information from the device to a server, consuming even more bandwidth.



VIDEO CALLING

During the Covid-19 pandemic, video conference calling became a daily part of life for many people. Zoom, FaceTime, Skype, and other services let people stay connected, even across long distances. But video calls are notorious bandwidth hogs.

Voice, text, and video combine to devour bandwidth—that's why you've experienced those ridiculous freeze-frame faces during the call!

And remember, with video calling, you are not just receiving data—you are also continuously sending it back to the server (and then to your loved ones' devices). That accounts for video calling's massive appetite for bandwidth and why so many video calls frustrate people (unless you have fiber internet!).

ONLINE GAMING

Another big-time bandwidth hog is online gaming.

Online gaming is incredibly problematic from a bandwidth perspective because, like video calling, information is shared—from the player to the server and the server back to the player. It often jams the internet connection for gamers and others in the house.

Higher bandwidth allows this excessive volume of data to transfer with far less latency or other delays. So, gamers experiencing lag or freezes will benefit from internet plans and tiers that provide more bandwidth.

WHAT'S THE BEST WAY TO GET MORE BANDWIDTH?

Apart from eliminating bandwidth hogs—the devices and activities you already have and love—your best solution is to upgrade to fiber internet.

DSL, cable, and satellite internet don't have fiber's high speeds or bandwidth capacity. Fiber's innovative design and cutting-edge materials allow data to transfer faster and much higher volumes.

If you already have fiber internet and want to improve your internet service, increase your plan's maximum speeds. Fiber internet allows you to select a service tier with 1 gigabyte per second (and possibly more, depending on your provider).

A 1 gigabyte per second tier provides plenty of bandwidth to allow a steady flow of online activity like streaming TV and movies, video calling, online gaming, and social media posting. Using fiber internet and upgrading your internet speed, you should quickly get all the bandwidth your household needs.
To sum up, the more bandwidth an internet connection has, the more information it can send out and get back at any moment.

And with fiber's advanced technology and higher speeds, you'll have additional bandwidth to disburse throughout your home and among your devices. With fiber's higher bandwidth capacity, your household can avoid the freeze-ups and slowdowns plaguing many internet users today.





If you have more questions about how fiber internet and its maximum speeds and higher bandwidth can make a difference in your internet connection, feel free to contact the helpful experts at Intelecyn Powered by RTC Communications. And be sure to check out Intelecyn Powered by RTC Communications' social pages to learn more about our fiber network!



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