

Fiber optic connections will slow down when using a router

LoRawan outdoor base station



Article Overview

Fiber optic internet can slow down due to router limitations, cable issues, signal loss, network congestion, or device performance problems.

Common Causes

1. Router Limitations Older or incompatible routers may not handle the high speeds of fiber connections, especially FTTP (Fiber to the Premises). Routers not designed for gigabit speeds can bottleneck your connection, and they may struggle to support multiple devices simultaneously . 2. Physical Cable Issues Fiber optic cables are delicate. Bends, kinks, or physical damage can cause signal loss. Even microbends or dust on connectors can reduce performance. Using the correct Ethernet cables (Cat 6 or higher) is essential for maintaining gigabit speeds . 3. Signal Attenuation and Environmental Factors Signal strength can degrade due to long cable runs, sharp bends, or environmental conditions like moisture or temperature extremes. Attenuation reduces the effective speed reaching your router . 4. Network Congestion High usage periods, multiple devices streaming or gaming, or bandwidth-heavy applications can slow your connection. WiFi interference from walls, metal objects, or neighboring networks can also reduce speeds . 5. Device Performance Older computers, smartphones, or tablets may not process high-speed fiber data efficiently. Background apps, automatic updates, or insufficient memory can further limit performance .

Troubleshooting Steps...

Article Content

Suffering From Slow Internet? Your Internet Provider Could Be ...

Sometimes the issue isn't your router or your devices. Your internet service provider can intentionally slow down your connection.

Why is my Internet connection so slow? | Microsoft Support

Summary No matter how fast your Internet connection is, there are times when things will slow down to a crawl. This article will help

Factors Impacting GFiber Internet Speeds

While GFiber delivers ultra-fast internet directly to your home, several everyday factors inside and outside your house can affect your

Factors Impacting GFiber Internet Speeds

The Fiber Line: We bring a fiber-optic connection directly to your home from the street. The Fiber Jack: This small box on your wall

Using Fiber Optic Cable for Faster Internet Connection Between Router ...

I'm currently looking to improve the internet connection between my router downstairs and my work laptop upstairs. I've been

Just got Fiber installed, and down speed is phenomenal but I ...

It's intermittent enough that speed tests and things like that don't seem to catch it but in gaming sessions I'll hit spikes for a second or

Why Your Fiber Internet Is Slow & How To Fix It Fast | EPB

A slow internet connection is more than an inconvenience; it can disrupt your work, entertainment and everyday tasks, like installing

Why is my fiber internet so slow?

Fix slow fiber internet. Troubleshoot WiFi congestion, router issues, network outages, and equipment problems. Optimize speed.

Why Is My Fiber Internet Slow?

A Deep Dive Is your fiber internet feeling sluggish? Many factors beyond the fiber optic cable itself can impact speeds,

Contact Us

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