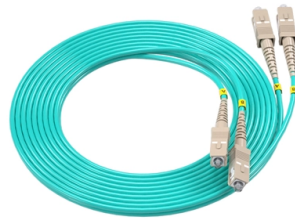


How to activate fiber optic internet access



AI Overview

Adding fiber optic internet access involves connecting your property to a fiber network, installing an Optical Network Terminal (ONT), and configuring your router for high-speed connectivity. Understanding Fiber Optic Internet

Fiber optic internet transmits data as light pulses through ultra-thin glass or plastic strands, offering faster speeds, lower latency, and more reliable connections than traditional copper-based broadband. Common types include:

- FTTH (Fiber to the Home): Direct fiber connection to your residence.
- FTTP (Fiber to the Premises): Fiber reaches homes or businesses, including multi-unit buildings.
- FTTC (Fiber to the Cabinet): Fiber reaches a nearby cabinet; the last segment uses copper wiring.

Installation Steps

Check Availability: Confirm that fiber service is available in your area by contacting your ISP or checking their website.

Property Preparation: Ensure the installation area is accessible. Mark any underground utilities, sprinkler systems, or pet fences to avoid damage.

Fiber Drop Installation: A technician runs a fiber cable from a nearby terminal (pole or underground box) to your home. A Network Interface Device (NID) may be installed outside to house the fiber connection.

ONT Setup: The Optical Network Terminal converts light signals from the fiber into electrical signals for your devices. It is typically installed inside or just outside your home and connected to a power source.

Router Connection: Connect your router or gateway to the ONT using a high-speed Ethernet cable (CAT6 or better). For larger homes, mesh Wi-Fi devices may be added for full coverage.

Activation and Testing: The technician powers up the ONT, tests the connection, and activates your service to ensure full speed and signal quality.

Router Configuration

To optimize your fiber connection:

- Connect the router to the ONT via Ethernet.
- Access the router's admin panel through a web browser (com...

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How Does Fiber-Optic Internet Work?

A fiber connection lets you hop online thanks to fiber-optic cables, which use light signals to send data to and from your computer. Because of the

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What You Need to Install Fiber-Optic Internet

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Explore how fiber optic internet is installed in your home, with step-by-step details on cables, ONTs, routers, and what to expect during the appointment.

Contact Us

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