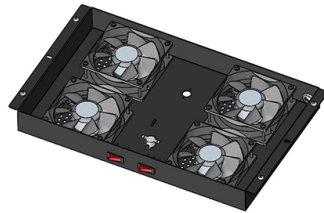


Router has fiber optic cable connection



Article Overview

A fiber optic cable connects to a router through an Optical Network Terminal (ONT), which converts light signals into electrical signals your router can use.

Key Components

- Optical Network Terminal (ONT): This device is essential for fiber connections. It converts the incoming light signals from the fiber optic cable into electrical signals compatible with your router ().
- Fiber-Ready Router: Ensure your router supports fiber input, typically via an SFP, PON, or WAN port labeled for fiber or ONT connection ().
- Fiber Optic Cable: Usually a thin, yellow cable with SC/APC or SC/UPC connectors that carries data as light pulses ().
- Ethernet Cable: Connects the ONT to your router's WAN port to transmit the converted electrical signals ().

Setup Process

- Install the ONT: Locate the fiber wall outlet where your ISP's fiber line enters your home. Connect the fiber optic cable from the wall to the ONT's optical port and power on the ONT. Wait for the status lights to stabilize, which may take a few minutes ().
- Connect ONT to Router: Use an Ethernet cable to link the ONT's Ethernet port to your router's WAN port. Power on the router and wait for the indicator lights to confirm a successful connection ().
- Optional Configuration: Most routers automatically detect the connection, but you may need to access the router's settings via a web browser for manual configuration based on your ISP's instructions ()....

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For more information, pricing, or custom solutions, please contact us:

Website: <https://www.iiss.co.za>

Email: sales@iiss.co.za

Phone: +27 63 174 2895

Address: Unit 8, Innovation Park, 15 Rivonia Road, Sandton, Johannesburg,
2196, South Africa

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