How to connect broadband fiber optic cable to the network

Summary of Content

To connect a fiber optic broadband cable to your network, you need an Optical Network Terminal (ONT) to convert the fiber signal, then link it to a compatible router via Ethernet for full network access.

Step 1: Gather Necessary Equipment

Before starting, ensure you have:

• Optical Network Terminal (ONT): Converts incoming fiber optic signals into electrical signals your devices can use, usually provided by your ISP .

• Fiber optic cable: Typically a thin, yellow cable with SC/APC or SC/UPC connectors .

• Router: Must support fiber input, often via a WAN or SFP port .

• Ethernet cable: To connect the ONT to your router, preferably Cat6a or higher for optimal speeds .

Step 2: Install the Optical Network Terminal (ONT)

• Locate the fiber wall outlet where your ISP's fiber line enters your home or office .

• Connect one end of the fiber optic cable to the wall outlet and the other to the ONT's designated port .

• Plug in the ONT's power adapter and wait for the status lights to stabilize, which may take 2–5 minutes .

Step 3: Connect the ONT to Your Router

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Article Content

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