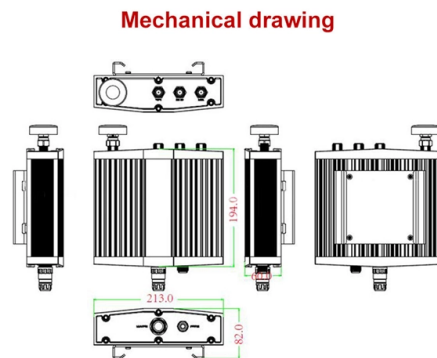


Adding a wireless router to a mobile fiber optic connection



AI Overview

To set up a mobile fiber optic wireless router, connect it to your ONT via Ethernet, configure the router with your ISP credentials, and optimize Wi-Fi settings for secure, high-speed connectivity.

Step 1: Gather Required Equipment

- Optical Network Terminal (ONT):** Converts fiber light signals into electrical data for your router.
- Mobile or wireless router:** Ensure it supports fiber input (WAN or SFP port) and Wi-Fi standards like Wi-Fi 6 for best performance.
- Ethernet cable:** Connects the ONT to your router; CAT6 or higher is recommended.
- Power adapters:** For both ONT and router.

Step 2:

- Connect the Hardware Plug the fiber optic cable from the wall outlet into the ONT.
- Power on the ONT and wait for the status lights to stabilize (usually 2-5 minutes).
- Connect the ONT to your router's WAN port using an Ethernet cable.
- Power on the router and wait for it to fully boot.

Step 3:

- Configure the Router Access the router's admin panel via a web browser or mobile app (commonly at 192.168.1.1).
- Enter your ISP credentials. Many fiber providers use PPPoE over VLAN7; you should have received a username and password from your ISP.
- Update the router firmware if prompted to ensure security and performance.
- Set a strong Wi-Fi password and customize your network name (SSID) for easy identification.

Step 4: Optimize Placement and Coverage

- Place the router in a central, unobstructed location to maximize Wi-Fi coverage.
- Avoid enclosed spaces or areas near large metal objects that can block signals.
- For larger areas, consider mesh Wi-Fi units to extend coverage.

Step 5: Test and Secure the Network

- Verify internet connectivity on multiple devices.
- Check signal strength and speed to ensure optimal performance.
- Change the default admin password to prevent unauthorized access.
- Enable encryption (WPA3 or WPA2) for secure wireless communication.

Optional: Mobile or Portable Router Cons...

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[Wireless Router] How to set up ASUS Router with ONT (Fiber Connection from ISP / Singtel) *Not applicable for Singtel ONR setup. ** Boot sequence: Turn OFF all the devices including

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

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