

100Mbps Fiber Optic Router 450Mbps



Article Overview

Yes, a 450Mbps router like the TP-Link TL-WR940N can fully support a 100Mbps fiber optic internet connection.

Compatibility Overview

The TP-Link TL-WR940N supports wireless speeds up to 450Mbps on the 2.4GHz band and has 1×10/100Mbps WAN port and 4×10/100Mbps LAN ports . Since your fiber internet plan provides 100Mbps, the router's maximum speed exceeds your plan, meaning it will not limit your internet speed. Both wired and wireless connections can handle 100Mbps, though actual wireless throughput may vary depending on distance, interference, and obstacles .

Wired vs. Wireless Performance

- **Wired (Ethernet) connections:** The 100Mbps fiber speed is fully supported by the router's 10/100Mbps WAN and LAN ports, so devices connected via Ethernet will achieve near full speed.
- **Wireless (Wi-Fi) connections:** The 450Mbps rating is theoretical and represents the maximum physical layer speed. Real-world speeds are typically lower due to environmental factors, but even at 50–150Mbps, the router can comfortably handle a 100Mbps internet plan .

Practical Considerations

- **Coverage:** The TL-WR940N is recommended for small to medium homes (2 rooms...

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Not Getting Full Internet Speed Through Router: How to Fix

This guide results from the research that I did to help you if you are not getting full internet speed through router. If

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

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

Email: sales@gmarkconstruction.co.za

Phone: +31-6-15-38-72-94

Address: Herengracht 456, 1017 BS Amsterdam, Netherlands

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