

Wireless bridge access to switch slows down



Overview

[SOLVED] So my question is when I use any of the Wifi networks on Wifi Router 1 or any of the ethernet ports connected to my switch I will get speeds around.

Key Takeaways

Wireless bridges can experience slow speeds due to configuration issues, protocol conflicts, or hardware limitations when connecting to a switch. Common Causes of Slow Wireless Bridge Performance1. Bridging via Wi-Fi vs.

Wired Connections When a wireless connection is bridged to a wired device, such as a switch, the throughput can drop significantly. This is because the bridging device (e.g., a laptop or access point) may act as a router when using Internet Connection Sharing (ICS), which introduces overhead and reduces speed compared to a direct wired connection. 2.

Spanning Tree Protocol (STP) Conflicts Wireless bridges connected to switches can be affected by STP.

Misconfigured ST

P can cause the bridge to temporarily block traffic or even drop connections when network loops are detected, leading to slow or unstable performance. 3. Hardware and Driver Limitations Older or low-quality wireless NICs, access points, or bridge devices may not handle high throughput efficiently.

Firmware or driver issues can also throttle speeds, especially in Windows systems using bridged mode with virtual switches or Hyper-V setups. 4.

Network Configuration Issues Incorrect I

P assignments, misconfigured bridge interfaces, or conflicts between DHCP and static IPs can reduce performance. Firewalls or security settings may also block or slow traffic across the bridge. 5.

Wireless Interference and Distance Signal interference from other Wi-Fi networks, physical obstacles, or long distances between the bridge endpoints can reduce effective throughput. Even if the link shows as connected, actual data rates may be much lower than the theoretical maximum.

Troubleshooting and Solutions

Check Bridge Configuration: Ensure the bridge is properly set up with correct IP addresses and interfaces. Avoid using ICS if possible; dedicated bridge devices or access points are more efficient. **Update Firmware and Drivers:** Make sure all wireless NICs, access points, and switches have the latest firmware and drivers to prevent throttling or instability.

Adjust ST

P Settings: If using managed switches, review STP configuration to prevent unnecessary blocking of the bridge port. **Use Dedicated Hardware:** Consider using a dedicated wireless bridge or point-to-point access points instead of a laptop or PC as a bridge, which can reduce overhead and improve speed. **Optimize Wireless Environment:** Reduce interference by selecting less congested channels, minimizing obstacles, and keeping the bridge within optimal range.

Test Direct Connections: Temporarily connect the device directly to the switch via Ethernet to confirm that the slowdown is caused by the wireless bridge and not the switch or network itself. By addressing these factors, you can often restore near-native speeds across a wireless bridge connected to a switch while maintaining stable connectivity.

Article Content

So my question is when I use any of the Wifi networks on Wifi Router 1 or any of the ethernet ports connected to my switch I will get speeds around 200+ MBPS which is what I'm

It really is not much different than a USB wifi adapter except it is connected via ethernet. It could be that the adapter you used before supported 802.11ac and could run faster than that router...

Bridge mode kills internet speed : r/HomeNetworking

I could of course setup the NAS physically at my router (and may wind up doing that) but in the meantime am trying to figure out what is causing the network speed to slow down a crawl when I

Performance loss over wireless bridge

Hi, I have a setup of three devices: AP1 (connected to the router) and AP2 form a mesh (acting as a wireless bridge) and AP2 and AP3 are connected by cable. The setup works as devices

Fix Network Bridge Failure: Step-by-Step Guide

Network bridges are used to connect different network segments or interfaces, ensuring seamless communication between wired and wireless networks. This step-by-step guide will help you identify

Losing over 90% speed connected to second router in bridge mode

A bridged wireless router will lose half the available signal. A better solution would be to mount a CPE on the outside of the building to catch the wifi signal and wire it into the building for your PC.

Windows Upload Throttled When Network Adapter is in Bridged Mode

If the Internet speed is normal in the case of a single network card, but the working efficiency is low after the bridge, there may be conflicts or interference between the local network

Wifi Performance when using bridged Hyper-V NIC is slow | Microsoft ...

Bridging wireless adapters often reduces performance because wireless connectivity is more sensitive to shared bandwidth and driver issues. Instead of bridging the Wi-Fi adapter directly,

Wireless Bridge goes down when passing traffic

I have a continuous ping going from my laptop to the remote MAP connected switch, and the connection seems to stay up for a while, but once i initiate traffic from the remote end, the bridge

The issue is, I have a gigabit switch (TL SG105) which connects both my desktop, and an access point I setup (EX6130, which I know does not have a gigabit port). Now, despite getting the

Network speed via wireless bridge is too low. Help is needed!

Hi guys, Our wireless bridge - 2x 3COM 7760 and high-gain pointed antenna's - worked fine until a year ago. After gradual decrease of the network speed and every 3 days root_ap power

R6700v2 Bridged Mode

The internet connection on my desktop is extremely slow (2Mbps download compared to 200 for the other desktop connected directly to the modem), and the bridge mode setup seems to have slowed

Setup is WANRouter---wlan--->Router---cable---> PC I'm having consistent 30Mb/s but i should get 50Mb/s With a wireless usb adapter i get consistent 50Mb/s I used to have 50Mb/s with

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Internet speed slower with bridged router

I have an Argus TG1692a router as a bridge and the Archer C60 as a router. When a I connected the cable from the argus to my desktop the internet speed was okay, but when I bridged

Hello, To get to the point here is my setup. Modem to Wireless Router 1 to Switch to Ethernet port to Wireless Router 2 set in Bridge mode. So my question is when I use any of the Wifi

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Fix Network Bridge Failure: Step-by-Step Guide

Introduction A network bridge failure can disrupt communication between network segments, causing connectivity issues, slow performance, and packet loss.

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

