

The main network connection to the switch is normal but the speed is slow



AI Overview

Slow network speeds on a switch can result from misconfigured Ethernet settings, faulty cables, switch limitations, or network congestion. Check Ethernet Connection Settings. Verify the connection speed between your PC and the switch. If your devices are Gigabit-capable but the connection shows only 100 Mbps, the switch and PC may not be negotiating speed correctly. Ensure both the PC's network interface card (NIC) and the switch port are set to auto-negotiation or manually match speeds and duplex settings for optimal performance. Inspect Cables and Physical Connections. Use EIA/TIA-568 standard cables with properly crimped connectors. Damaged, nonstandard, or loosely connected cables can significantly reduce speed. Replace any cables showing wear, kinks, or poor connections. Evaluate Switch Performance and Configuration. Older or low-capacity switches may not handle high traffic efficiently. Check if the switch supports your network's required speed and consider upgrading if necessary. Also, review switch settings such as VLANs, QoS, and port configurations, as misconfigurations can throttle throughput. Monitor Network Traffic. High network usage from multiple devices or bandwidth-heavy applications can cause slow speeds. Identify and limit devices or applications consuming excessive bandwidth, or prioritize critical traffic using QoS settings. Firmware and Hardware Checks. Ensure the switch firmware is up to date, as manufacturers release updates to improve performance and compatibility. If issues persist, test with a known good PC or switch port to isolate whether the problem is with the switch, PC, or cabling. Summary. To resolve slow speeds on a normally connected switch: Confirm Ethernet speed and duplex settings. Inspect and replace cables if needed. Check switch capacity and configuration. Monitor and manage network traffic. Update firmware and test hardware...

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How can I diagnose a slow network connection?

I'm trying to figure out why my network is so slow, and I'm looking for some advice on your standard diagnostic procedure. What are the first few things you check when a user reports a

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PC slow network via switch

Windows 10 pc. Plugged into 5-port switch (Phone & Printer shared). Network speed was normal. Today it is horribly slow. Speedtest is .08. Replaced switch, unplugged phone and printer,

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Switch to switch slowing speed?

If so, you should be connecting each switch directly to the modem/router instead of daisy chaining them. This can cause data collisions resulting in slowed speeds.

Does an Ethernet Switch Slow Your Network? Fix

Explore if Ethernet switches slow down your network, common causes of reduced speed, and actionable tips for improving performance and

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How to Fix Slow Ethernet on a Windows PC

To check if slow internet is causing the problem, run a speed test while connected via Ethernet, then repeat the test over Wi-Fi. If both results are

What can I do if the speed is slow when the PC is connected to the ...

If the "connection speed" is poor (for example, it only has 100Mbps while the Ethernet card and the switch are both Gigabit devices), then the switch and the router or switch and the PC are not

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Is Your Gigabit Switch Underperforming? Can Simple Fixes Restore ...

This guide will walk you through the most frequent culprits behind this performance drop and provide a clear, actionable troubleshooting plan to get your network running at its intended

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