

# Core switch has no response when fiber optic cable is plugged in



## Overview

Connect cable from switch to a known good device. Swap suspect cable with known good. This document describes how to troubleshoot fiber optic interfaces by addressing some of the fiber optic module and cabling specifications. There are no specific requirements for this document. This includes Doppler. We have a fibre run, SM, 650 meters, with Level1 dumb switches at each end, I get Link lights at both ends, but there's no network traffic. Switch A is on the router end, devices connected to this switch get DHCP leases and can browse the internet without issue.

Wavelength: Meraki SFP's use 850nm, 1310nm, and 1550nm 100 Mbit/s SFP: Not supported by any Meraki device 1 Gbit/s SFP and 10 Gbit/s SFP+ supported models can be found. This article describes steps to perform when SFP/SFP+ fiber link is not coming up. Solution Things to check if the SFP/SFP+ link is not coming up. Ensure that a compatible transceiver is used. I have seen this kind of issue on both '3750X series and 2960X series', and issue is following: - Switches are 48- Ethernet ports PoE + 4 Fiber ports - 3750X switch = 3/4 ports are currently plugged with Cisco GBIC module. Topology goes: FortiGate -> 1048E Switch -> 124F Building Switches via 62.

## Article Content

Network Switch Troubleshooting Guide: Common Problems and ...

A comprehensive switch troubleshooting from the physical layer to the data link layer to the network layer to find out why your network switch is not working.

Fiber port of switch does NOT working

Recently some of switches I have has been shown faulty issue on Fiber port. I have seen this kind of issue on both "3750X series and 2960X series", and issue is following: - Swithes are 48- ...

Fiber ports on 501E

Test on the fiber line coming in are good, but when plugged into our port we just never get link lights. ISP sees nothing connected. Is there some secret thing I don't know about that I need to ...

Basic SFP Troubleshooting Guide

This article is intended to provide a basic understanding and layer 1 troubleshooting steps in the event the case links do not come ON-LINE while using small form-factor pluggable (SFP) modules.

Why Your Fiber Link is Dead: The 2-Minute Fix for Polarity & Tx/Rx ...

Confused why your fiber links between switches won't come up? Learn the dead-simple truth about fiber polarity, Tx/Rx, and why just flipping the cable usually fixes everything.

Troubleshoot Switch Port and Interface Problems

This is because the switch does not know that the connected device is a PC; the switch only knows that the port has changed the state. In order to resolve this issue, Cisco has developed ...

Troubleshooting Multimode SFP Module Links: Common Issues and ...

There are few moments more frustrating for a network engineer than a flapping or dead fiber link. The switch shows an interface randomly cycling between up/down, or it's stubbornly dark ...

Link but no connection with fibre, where to next?

Because devices connected to Switch A are still getting DHCP and the Link light is on for the SFP port, Switch A hasn't been replaced yet.

Fiber Network Troubleshooting - Common Issues & Fixes

Learn how to troubleshoot fiber networks. Identify common issues like high loss, dirty connectors, and signal drops, with practical solutions for optical links.

## Troubleshoot Fiber Links on Catalyst 9000 Series Switches

This document describes how to troubleshoot fiber optic interfaces by addressing some of the fiber optic module and cabling specifications.

## SFP Troubleshooting Guide for Common Network Issues

When a switch refuses to detect a module, a link light won't illuminate, or performance degrades without warning, you need more than guesswork. You need a clear, step-by-step SFP troubleshooting guide ...

## Question

So I am having a problem trying to get my windows machine to talk to my switch connected via LC-LC fiber connection. Since I am new at this, I am not sure what the steps for debug ...

## Troubleshooting Fiber Optic Connections: Ensuring Proper TX and RX ...

This article will guide you through the process of troubleshooting fiber optic connections, with a focus on ensuring proper TX and RX alignment and how to correctly switch patch cables to ...

## Troubleshooting Tip: SFP/SFP+ transceivers port/fiber link is not ...

If an SFP device is plugged into an SFP+ port, the speed will be locked at 1 Gbps. Plugging an SFP+ module into an SFP port delivers no results at all, as the 10G transceiver can ...

## Has anyone seen weird SFP/fiber issues with a Cisco 9300 switch in ...

It's a single link and we did end up moving the uplink on the core switch side to the 2nd member in the stack, but have the same -23.5 readings. Only time will tell if things are really stable.

## Fortswitch not working over fiber : r/fortinet

Folks are on target - In general check/clean the fiber, optics and connectors, and verify they have not been compromised in any way. Also use a proper cleaning tool when cleaning fiber ends and optics.

## Contact Us

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