

# The fiber optic switch cannot be pinged



## Overview

Run the display interface `vlanifvlan-id` command on Switch \_1 and Switch \_2 and check the current state and Line protocol current state fields. If the value of any one of the two fields is DOWN, the VLANIF interface is Down. 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. I have a school site that has an upper campus and a lower campus. Hi John, From the lower campus switch, if you can login, can you check the output of "show. The issue appears to be between the switches, but as I said, the Fibre has been tested, the SFPs have been swapped, the switches are reporting Link, but they're dumb switches so there's no way to check anything more on them. -We use an HA setup for the routers, with our main switch, which then connects to all of the other switches directly through CAT or Fiber. I have a multi mode fiber patch cable connecting the two switches but I cant ping the other switch.

## Article Content

Dec 12, 2025

Fiber Network Troubleshooting - Common Issues & Fixes

Fiber optic networks are celebrated for their speed and reliability, but even the best systems can encounter problems. When issues like signal loss,

Feb 14, 2026

Troubleshooting Connections and Resources

Troubleshooting Connections and Resources This chapter describes how to troubleshoot the ASA and includes the following sections:

Jun 26, 2026

Devices communicate on network, but some catalyst switches can't be ...

My somewhat small network I built from the ground up has been otherwise healthy and devices are passing traffic okay but out of my 34 access switches 6 don't reliably ping from my monitoring

Dec 19, 2025

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.

Feb 14, 2026

Two computers cannot ping one another

I've got two physical computers which are connected to the same unmanaged switch. Said switch is connected to a server handing out IP

Jun 07, 2026

VERY Confusing Situation: HP Switch and Inability to PING

Lacking any specifics, your best friend is direct substitution to narrow down the problem. If machine A can be pinged and machine B cannot be pinged, exchange their switch ports. Does the

Aug 06, 2025

Switch is working but will not ping?

Once all the changes had been saved, the switch & pc ip addresses were now able to be pinged. However, back in the office (15mins later) pings have stopped to the switch but not to the pc

Nov 03, 2025

IP Addresses of the Connected Interfaces Between Switches Cannot

Check whether the connected Ethernet interfaces between switches joined the VLAN. Run the display vlanvlan-id command on Switch \_1 and Switch \_2 and check the Ports field.

Jan 12, 2026

Single Fortiswitch can't be pinged : r/fortinet

-All switches are pingable from the internal VLAN no problem, however there is a single switch that unless NAT is enabled on the policy, it cannot be pinged.

Sep 19, 2025

Need Help... Can detect but cannot access or ping over

Based on your diagram, you would start from Cisco switch B and test the CAT5 lines to each media converter, if you haven't already. If they check out

Jan 28, 2026

Link but no connection with fibre, where to next?

The problem was the old POE injector for the microwave link, not the switch, sfp or fibre. Still not sure what's wrong with the old injector and why it was causing issues for devices connected

Jan 19, 2026

Unable to Connect to or Ping a Firewall Interface

Resolution Issue When attempting to access or connect to a firewall interface IP address for a service or when trying to ping the interface the communication fails. This could be to manage

Jun 30, 2025

MikroTik cannot be pinged unless it is pinging the target device

Currently whenever I need to ping a mikrotik on this network it only receives pings if it is directly pinging the device. For example the router cannot even see the mikrotik unless the mikrotik

Oct 04, 2025

Fiber switch shows "Default Gateway Unreachable" in Mist, but can be ...

No changes have been made to the lower campus fiber switch overnight. What would cause this condition and is there a way to get this fiber switch to rediscover the gateway without

Aug 30, 2025

Fiber optic cable connection to switch not working

I am currently working in a project which uses a 12 core SM fiber optic cable running 40 km. Switched are connected in ring topology. Distance between two switches will be max 8 km and i

Dec 18, 2025

A device can be pinged from core switch ( router) but not the switch it ...

This is likely related to how the vlans are setup with the gateways on the core switch, and the vlan where the mgmt interface is on the edge switch where the device is connected.

Mar 21, 2026

IP Addresses of the Connected Interfaces Between Switches Cannot

IP Addresses of the Connected Interfaces Between Switches Cannot Be Pinged Fault Symptom As shown in Figure 5-36, the IP address of VLANIF 10 on Switch \_2 cannot be pinged from Switch \_1.

May 20, 2026

I Cannot Ping Switch to Device, but can ping Device to

Without an address, your switches cannot participate in any network layers above layer-2. Switching happens at layer-2, and unmanaged switches

Aug 25, 2025

Ping Command Troubleshooting: Network Diagnostics

Learn ping command troubleshooting with our complete guide. Master network diagnostics, interpret response times, and solve connectivity

May 20, 2026

Single Mode vs. Multimode Fiber Optic Cables

There are two main types of fiber optic cables: single mode and multimode. Although they can do the same job in some instances, the different

Aug 14, 2025

Fiber Optic Connector Types: A Beginners Guide

The fiber connector types, sometimes referred to as terminations, link fiber optic cables together through terminals, switches, adapters, and patch

May 21, 2026

Can ping any devices on the network but cannot be pinged, and also ...

Im able to ping any devices on my network but cannot be pinged, cannot ping my own PC, and loopback address. Things that I did to fix the issue. Firewall is disabled. Changed IP address. Assigned NIC

Feb 23, 2026

Cannot ping over LAN until a ping is received

I have two OSX machines on a local subnet. Pings from Machine A to Machine B consistently timeout until Machine B pings Machine A. After B pings A, A can successfully ping B, but

Sep 22, 2025

Case Study: A Switch Can Be Pinged But Cannot Be Remotely

Case Study: A Switch Can Be Pinged But Cannot Be Remotely Accessed Symptom In Figure 15-6, SwitchC can ping VLANIF 20 of SwitchA, but SwitchC cannot connect to SwitchA through Telnet.

Aug 28, 2025

What to check if "pinging" doesn't work?

What would be the preliminary checks that should be carried out if a server cannot "ping"?

Dec 30, 2025

Solved: Can pin but cant be pinged!

My computer (say A) has a static IP 204.142.253.65. I am able to telnet into the gateway at 204.142.253.254, PIX at 192.231.232.190 and the catalyst switch at 10.0.0.4. But I can not ping

Oct 21, 2025

No connectivity between switches over fiber : r/networking

We had a switch that ended up being a Fast switch instead of Gigabit and the only way we found out why there was no link light was because the logs told us the SFP was unsupported.

Apr 23, 2026

Can't ping switch connected with fiber patch cable

There are no "special" port changes that you should need to make to the fibre ports to enable them to pass traffic. Check you haven't put anything in that might actually stop it. If the

## Contact Us

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