

PoE switch suddenly loses power



AI Overview

A PoE switch losing power unexpectedly is often caused by insufficient power budget, cable issues, device incompatibility, or overheating, and can be resolved through systematic troubleshooting.

Common Causes

1. Insufficient Power Budget: If the total power demand of connected devices exceeds the switch's PoE capacity, devices may shut off or the switch may reboot. Check the switch's total and per-port power allocation to ensure it can support all connected devices . 2. Cable Quality and Length: Poor-quality cables or runs exceeding 100 meters can cause voltage drops, leading to intermittent power loss. Use Cat5e or higher, preferably Cat6 for high-power devices, and consider PoE extenders for longer distances . 3. Device Compatibility: Ensure that powered devices (PDs) are compatible with the switch's PoE standard (PoE, PoE+, PoE++, or UPoE). Mismatched power modes (e.g., Alternative A vs. B) can prevent proper power delivery . 4. Port or Configuration Issues: Ports may be administratively shut down, error-disabled, or PoE may be disabled on the port. Verify that PoE is enabled and the port is active using CLI commands like `show power inline` and `power inline auto` . 5. Overheating or Hardware Faults: Excessive heat or faulty hardware can cause the switch to shut down to protect itself. Ensure proper ventilation and check for hardware errors .

Troubleshooting Steps

- Check Power Budget: Use the switch's management interface or CLI to verify total and remaining PoE budget. Reduce load if necessary or upgrade to a higher-capacity switch

Article Content

Aug 01, 2025

Anyone else seeing POE problems after "power disturbance" on mult

Hi everyone, We've recently seen a POE problem with some of our multi-gig 3850 stacks (WS-C3850-12X48U). The

Nov 04, 2025

Troubleshooting Power over Ethernet (PoE)

Revised August 23, 2010 This guide is for troubleshooting Power over Ethernet (PoE) in the Catalyst 3750-E, 3750, 3560-E, and

Mar 22, 2026

How to solve the problem of PoE ports delivering less power than

When Power over Ethernet (PoE) ports deliver less power than specified, it can cause issues such as connected devices (e.g., IP

May 24, 2026

Power over Ethernet (PoE) switch troubleshooting

Description This article explains how to troubleshoot Power over Ethernet (PoE) related issues. Symptoms PoE errors

Sep 23, 2025

PoE Troubleshooting: Common PoE Errors and Solutions

If your camera does not turn on when using a PoE switch or PoE power supply, you can follow these tips to resolve the problem.

Sep 09, 2025

PoE Troubleshooting: Common PoE Issues and Solutions

By following these troubleshooting steps, you can address and resolve common PoE issues effectively, ensuring

Jan 04, 2026

PoE Troubleshooting: The Common PoE Errors and Solutions

Common PoE faults include PoE switch not providing power, a PD powering off or reloading, and some PD powering

Sep 18, 2025

Switch suddenly disables stops delivering power to POE

Last night, the switch suddenly stopped delivering any power to POE devices. This is the second time this happened

Jun 05, 2026

Switch suddenly disables stops delivering power to POE

After the soft restart, POE was still not available and all LEDs apart from the power LED (green) were off (literally no

Aug 20, 2025

PoE Troubleshooting: Common Problems and Solutions

The PoE powered switch can receive power and data from an upstream PSE (PoE switch

Jan 13, 2026

Troubleshooting Common PoE Errors and Solutions

Introduction: In a PoE power supply system, the essential components are the Power

Feb 23, 2026

Why my PoE powered device cannot work properly when connected

If you have an IP Phone, IP camera or other PoE powered device but it cannot work when connected to the PoE switch,

Dec 26, 2025

FS Community

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

Aug 23, 2025

How to Troubleshoot PoE: Common Issues and Testing Steps

Learn how to troubleshoot PoE issues on Cisco Catalyst switches. Step-by-step diagnosis for no power, intermittent resets, partial

Oct 29, 2025

CloudKey on USW-PoE loses power when adopting said switch

CloudKey on USW-PoE loses power when adopting said switch I just now ran into a weird issue: ever since I have owned the

Jan 05, 2026

Troubleshooting Power over Ethernet (PoE)

This guide is for troubleshooting Power over Ethernet (PoE) in the Catalyst 3750-E, 3750, 3560-E, and 3560 switch product families.

Dec 07, 2025

PoE Switch Reliability Improvement Checklist: Best

Ensure your network runs smoothly with PoE switch solutions from Omnitron Systems. Our reliable, high

Oct 26, 2025

PoE Troubleshooting Guide: Common Problems and Solutions

Insufficient Power - First, check the powering switch, its power management configuration, and if it's working properly.

Apr 26, 2026

JunOS : PoE devices suddenly losing power on Juniper EX4300-48p

If your Power over Ethernet (PoE) device (s) connected to an EX 4300-48p switch suddenly lose power unexpectedly

Apr 02, 2026

PoE Troubleshooting: Common PoE Errors and Solutions

Note that a non-standard PoE switch, also known as a passive PoE switch, is always powered over an Ethernet line at a specific

Sep 28, 2025

Managed PoE switches randomly lose port power/signals

Case 2: On another switch (same 16-port model), all PoE ports suddenly lose power — no link lights, no signal but

May 08, 2026

PoE Troubleshooting: Common PoE Errors and Solutions

How to accurately identify the source of PoE errors and minimize PoE troubleshooting time? This article will detail three common

Apr 19, 2026

PoE Power Loss: Common Causes and How to Fix Them

Why PoE power loss happens and how to fix it. Cable resistance, termination quality, switch budget, and the systematic approach to

May 01, 2026

PoE Troubleshooting: Addressing Common Issues

This article addresses common PoE network issues, best practices for maintenance, troubleshooting tools,

Oct 16, 2025

PoE on switchport suddenly not working

I have a brand new c9200l-48p-4x where the PoE on the port suddenly stopped working. When I plug in a link runner, I

Feb 06, 2026

PoE Troubleshooting: Common PoE Issues and Solutions

Power over Ethernet (PoE) is a convenient technology that enables network cables to carry electrical power,

Jul 22, 2026

Strange loss of PoE during power outage

We have a small server, a firewall, and a 48 port UniFi PoE switch on a UPS. However, when there is a brief power

Apr 12, 2026

POE loss on Cisco 9300

One common factor is a firmware or IOS bug that affects the PoE controller, cause even though the switch appears

Jun 21, 2026

Troubleshooting Common Issues in UPOE and POE+ Networks

Conclusion Effectively troubleshooting and managing UPOE and POE+ networks is critical for ensuring reliable

Jan 22, 2026

Cisco power over ethernet switch keeps cutting out at random!

SF300-48p model. The uptime reads as 300 some days, but it's cut the power to our phones/extension boards

Feb 03, 2026

UniFi switch PoE not working: Diagnosing and fixing issues

Having trouble getting your UniFi switch to power devices? Step-by-step guide to fix PoE issues: port settings, firmware, power budgets.

Jan 10, 2026

Tp link switch PoE suddenly not working : r/HomeNetworking

My switch started making notably more fan noise yesterday. Today suddenly no PoE power on any of the 4 ports where I had it

Mar 21, 2026

How to Troubleshoot PoE

Learn how to troubleshoot PoE problems on your network, test if PoE is working, identify faulty PoE injectors, and check key

Jul 18, 2026

Switch suddenly stops delivering power to DEVICES

This interruption in PoE power delivery occurs due to voltage surges caused by eddy or direct currents received

Contact Us

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