

## The PoE switch can be fixed by simply powering it off



### Overview

This document describes how to troubleshoot Power over Ethernet (PoE) on Catalyst 9000 PoE-capable switching platforms. Cisco recommends that you have knowledge of these topics: • Catalyst 9000 Series switches • Power over Ethernet

In a basic PoE power supply system, the major components are the power sourcing equipment (PSE), the powered device (PD), and the PoE cables. These are widely used in various data networks across industries, retail chains, traffic control systems, and other diverse applications. However, PoE setups can encounter various issues.

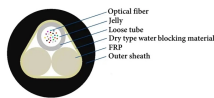
## The PoE switch can be fixed by simply powering it off



By following these structured troubleshooting steps, leveraging Cisco CLI tools, and maintaining good operational practices, network engineers can resolve most PoE issues on Cisco switches efficiently, ...



Check the PoE port indicator on the PoE switch or PoE injector. If the indicator is not on, you can plug the camera into another port and try using another Ethernet cable.



This document aims to help provide a basic understanding of how PoE is provisioned on MS switches and some troubleshooting steps to help identify issues with PoE failure on a switch or switch ports.



Check if the issue is due to power re-injection - Remove any connections where we expect the power to be injected into the device rather than receiving the power.



To troubleshoot this PoE fault, measure the power requirements of the IP camera during startup and use an appropriate PSE to provide sufficient power.



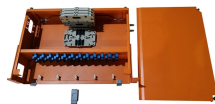
By following these troubleshooting steps, you can address and resolve common PoE issues effectively, ensuring reliable power delivery and optimal performance for your network devices.



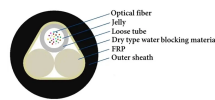
Learn how to troubleshoot PoE issues on Cisco Catalyst switches. Step-by-step diagnosis for no power, intermittent resets, partial power, and camera failures.



This document describes the troubleshooting workflow for Power over Ethernet (PoE) on Catalyst 9000 PoE-capable switching platforms.



Common PoE faults include PoE switch not providing power, a PD powering off or reloading, and some PD powering on while others are not. Here provides PoE troubleshooting lists ...



You can power a PoE enabled device using PSE and without the need for external electrical supplies. This works quite well where there is no power grid or frequent power cuts.

## Contact Us

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