

Only the power light is on on the PoE switch



Article Overview

If only the power light is on, your PoE switch is receiving power but is not delivering PoE to connected devices, often due to configuration, cable, or device compatibility issues.

Common Causes

1. PoE Configuration Issues The switch may have PoE disabled on certain ports or incorrect PoE settings. Managed switches often allow enabling/disabling PoE per port and setting the correct standard (802.3af, 802.3at, or 802.3bt). Ensure PoE is enabled and the port supports the required power for the connected device . 2. Device Compatibility Not all devices support all PoE standards. For example, a device requiring PoE+ (802.3at) may not work on a switch that only provides standard PoE (802.3af). Verify that both the switch (PSE) and the powered device (PD) conform to compatible PoE standards . 3. Cable Quality and Length PoE requires good-quality Ethernet cables (Cat5e or higher). Damaged cables, poor connectors, or runs exceeding 100 meters can prevent power delivery. Testing with a known good cable or shorter run can help isolate the issue . 4. PoE Budget Limitations Each switch has a total PoE budget. If the combined power requirements of connected devices exceed the switch's budget, some ports may not supply power. Check the switch's PoE budget and ensure it can support all connected devices . 5. Firmware or Hardware Faults Outdated firmware or a faulty PoE controller can prevent power delivery. Updating the switch firmware and testing PoE on a known working device can help determine if the issue is hardware-related

Article Content

PoE vs PoE+ vs PoE++ Switch: How to Choose?

Differences Between PoE vs. PoE+ vs. PoE++ Defined in 2003, Power over Ethernet (PoE) technology, under the

PoE Troubleshooting: Common PoE Errors and Solutions

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

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.

Troubleshooting Common PoE Errors and Solutions

Inspect the PoE port lights on the PoE switch or PoE injector to confirm if the camera is fully connected. If the lights

How to Troubleshoot PoE Issues on Cisco Switches: Catalyst 9300,

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

No power on PoE Connection

Hi, We had a weird problem yesterday. One of our outlet port is providing connectivity BUT no PoE for IP Phone. We

Troubleshoot Power over Ethernet on Catalyst 9000 Switches

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

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

Problem with Dahua PoE Camera Connection – ACT Light

Hello, I have Dahua cameras installed at home, along with a Dahua NVR and a Dahua PoE switch. Recently, I added a

Troubleshooting Power over Ethernet (PoE)

When several or all PoE ports in a switch cannot provide power to powered devices, and entering the shut and no

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.

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

Troubleshooting Common PoE Errors and Solutions

Introduction: In a PoE power supply system, the essential components are the Power Sourcing Equipment (PSE), the

Only the power led light is lit and every other light is off

Only the power led light is lit and every other light is off This thread has been locked for further replies. You can start a

POE Cameras Cannot Be Powered on by POE Switch/POE Injector

You may follow the troubleshooting tips listed below to solve the problem. Cause 1. Incompatible POE switch/injector. Solution:

What Is a PoE Switch? Complete 2025 Guide (For Everyone)

Learn what is a PoE switch, how it works, types, power budgets, and real uses. Simple 2025 guide for home, office,

How to Fix a Light Switch That's Not Working

The switch may be worn out, the wires loose, the circuit breaker flipped off, or you may need to open the electrical box

PoE Troubleshooting: Common Problems and Solutions | Versitron

Read about the common problems in PoE and how to troubleshoot it. Versitron is the leading manufacturer of fiber

Is there any downside to using a PoE passthrough switch only to power ...

I need to put a gigabit ethernet switch in a place where it will be very inconvenient to run a power cable, so I was considering just

Only one POE port led will light up : r/Ubiquiti

But the issue is only one of the port will show POE activity (port led lights up, UI shows poe++ connection and power wattage output).

PoE Troubleshooting: Common Problems and Solutions | Versitron

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

PoE Troubleshooting: Common PoE Issues and Solutions

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

How do I troubleshoot problems with my NETGEAR PoE switch?

Many devices require less power, allowing all PoE ports to be active simultaneously when the devices correctly report

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,

Cisco 3650 PoE switch, operational status is showing off

Cisco 3650 PoE switch, - POE is not working. Troubleshooting : Tried reloading the switch & enabled disabled PoE.

Contact Us

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