

The switch only has the PoE light on



Overview

Sometimes, you might find that only the power light is lit on your unmanaged switch when a DUT (device under test like a computer or a router) is connected to the switch, this problem might be caused by non-standard cable, the speed negotiation failure between the. Sometimes, you might find that only the power light is lit on your unmanaged switch when a DUT (device under test like a computer or a router) is connected to the switch, this problem might be caused by non-standard cable, the speed negotiation failure between the. In a basic PoE power supply system, the major components are the power sourcing equipment (PSE), the powered device (PD), and the PoE cables. However, when PoE fails, it can disable critical infrastructure like IP phones, wireless access points, and security cameras. This guide provides a step-by-step troubleshooting. The lights on POE switches mainly include power indicator lights, system operation status lights, POE mode status lights, and business interface indicator lights. Their meanings are as follows: Power indicator light (PWR): Green constantly on: indicates that the power supply of the switch is normal. Understanding the lights on your network or Ethernet ports is essential for maintaining a stable and reliable network. For enterprise IT teams and engineers using Router-switch devices, these LEDs are often the first indicator of network health. This guide explains what each light means, how to.



Article Content

Nov 26, 2025

Network Port Lights Meaning: Troubleshooting Ethernet LEDs

Understand what green, orange, and blinking lights on Ethernet ports indicate. Step-by-step guide to diagnose and troubleshoot network connectivity issues.

Jul 15, 2025

Only the Power Light blinks

Guide Sep 22, 2020 Solved Only the Power Light blinks - no activity on any port I've been completely stumped by these GS105v5 switches. I've been using GS105v3 and GS108 for years. I recently got 2

Dec 26, 2025

What is a PoE Switch

A Power over Ethernet switch is a network switch that has PoE functionality integrated. Learn about different variations, limitations and benefits of

Jun 05, 2026

No power on PoE Connection

Hi, We had a weird problem yesterday. One of our outlet port is providing conenctivity BUT no PoE for IP Phone. We have changed the switch port, swtill same issue. Switch lights turn off

May 27, 2026

How do I troubleshoot problems with my NETGEAR PoE

This article provides troubleshooting information for common Power over Ethernet (PoE) problems with NETGEAR PoE switches. PoE and PoE

Feb 14, 2026

No Link Light on Switch Side of POE Adapter

He has validated that he can see the SSID from the Unifi, so we know it's getting powered up, however, No link light on the Switch Side - Mikrotik 751U.

Sep 01, 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 3560 switch product families.

Jun 16, 2026

How to solve the problem of Devices not powering on via PoE?

If the power consumption exceeds the switch's PoE budget, some devices may not power on. Solution: Verify the total PoE power budget of the switch and compare it to the power

Apr 28, 2026

Cisco 9200l switch no POE

I'm fairly new to this job but we have a core switch stack made up of 5 Catalyst 9200l's. Today we came in and found the bottom switch on the stack was dark except for the power light, no

Feb 15, 2026

How to Troubleshoot PoE | Common Issues, Commands

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

Apr 14, 2026

PoE Troubleshooting: Common PoE Issues and Solutions

Check PoE Budget: Ensure the PoE switch or injector has enough power budget to support all connected devices. If using a PoE switch, double-check that the wattage per port is

Jul 28, 2025

UniFi switch PoE not working: Diagnosing and fixing issues

Having trouble getting your UniFi switch to power devices? This post walks through why PoE might not be working and how to fix it. From port settings to firmware updates and power budgets, we cover

Feb 05, 2026

Solved: Power over Ethernet only?

This configuration will deliver PoE to the connected device without allowing any data transmission on the port, reducing log entries related to data connectivity.

Jun 11, 2026

POE ports on Catalyst show power, but nothing connected

On my Catalyst 2960 switch, the ports 33 to 40 show power is being supplied, but nothing is connected to those ports? If I do show power inline, they show power supplied.

Oct 20, 2025

USW-Pro-24-POE

For any single RJ45 port on my switch shouldn't both the left and right lights be either green, or amber? Checking in my networking web ui console the established

Jan 02, 2026

Troubleshooting PoE on MS switches

Overview 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

Oct 19, 2025

Troubleshoot Power over Ethernet on Catalyst 9000 Switches

Introduction This document describes how to troubleshoot Power over Ethernet (PoE) on Catalyst 9000 PoE-capable switching platforms.

Aug 08, 2025

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 PoE faults and

May 03, 2026

The lights on the POE switch represent meanings

The lights on POE switches mainly include power indicator lights, system operation status lights, POE mode status lights, and business interface indicator lights.

Feb 25, 2026

Cisco Catalyst 2960 POE All Green lights stuck

Why all colors are green stuck my Cisco Catalyst 2960 POE after power cut . See image and how can we fix it . Now ports are not working and no

Apr 19, 2026

What can I do if the Ethernet LED indicators on the Unmanaged

Our unmanaged switch works in auto-negotiation mode which usually requires that the PC's NIC also negotiates the speed automatically---If no, they might not have a common speed to work

Jun 23, 2026

PoE Troubleshooting: The Common PoE Errors and

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

Jun 12, 2026

Changed switches from Netgear to Ubiquiti 8 PoE. Why

Poe switches are just switches that offer power, if your device doesn't need it, it doesn't get it and its just a regular switch port. And if you need one with 8 POE

Jul 06, 2025

How to Troubleshoot a Poe Switch That's Not Working?

Troubleshooting a PoE switch that's not working can seem daunting, but with systematic checks and a clear understanding of potential issues, you can often resolve the problem effectively.

Sep 18, 2025

Push Button ON-OFF Soft Latch Circuits, Battery

Application note for electronic latch circuits using logic gates and MOSFETs that detect a push button press to switch ON power to your embedded system.

Dec 25, 2025

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

After many tries to debug - switching to different ports, plug in the APs in different order, it seems that whatever is plugged in FIRST will work. The one plugged in second will not show POE connection,

Mar 29, 2026

Power over Ethernet (PoE) switch troubleshooting

Description This article explains how to troubleshoot Power over Ethernet (PoE) related issues. Symptoms PoE errors on the device seen on CLI. PoE devices connected to the device are

Mar 21, 2026

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 shut interface configuration

Contact Us

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