

Not a PoE device connected to a PoE switch



Overview

We can tell you straight away: Supplying PoE to a non-PoE device might result in damage to the device. A standard PoE switch will detect and identify before supplying power. And what happens if you accidentally plug in a normal (non-PoE) device into a PoE switch?

I explore all this – and more – in this video. including via a VERY suspect looking demo! I combined TWO power over Ethernet switches with three non-PoE devices (a HP printer, DVD player and TP-Link Gigabit. A PoE switch is a regular network switch that has Power over Ethernet functionality integrated. It allows compatible devices, such as VoIP phones, network surveillance cameras or wireless access points to work in places where power outlets or network connections don't exist. These sections provide information about the conditions required for a PoE capable switch to provide power, how the PoE-capable switch identify the power requirement of the powered device, and how PoE. Basic Roles in a PoE System: PSE: Power Supply Equipment, such as PoE switches and PoE injectors. Key Standards: IEEE. This guide is for troubleshooting Power over Ethernet (PoE) in the Catalyst 3750-E, 3750, 3560-E, and 3560 switch product families. For precise CLI and message format, see the switch software configuration guides and command references for. As long as the port is configured for standards compliant 802. not “passive” PoE) you'll be fine as the power only turns on after a handshake.

Article Content

Sep 17, 2025

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,

Apr 29, 2026

PoE Troubleshooting: Common Problems and Solutions

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

Aug 14, 2025

Can Power over Ethernet (PoE) be passed over non-PoE switches

Generally, no. PoE doesn't carry through additional switches/hubs, it will only be supplied to devices that are directly connected to a

Sep 29, 2025

networking

That won't work -- PoE doesn't carry through additional switches/hubs -- the last switch before the device has to be

Jul 05, 2026

What is a PoE Switch

PoE Switches - what are they, when to use them, what to know about them, and when not to use them. Power over

Oct 21, 2025

Can I Plug a non-poe Device into a Poe Port? : r/Ubiquiti

If it's a standard ethernet device you are connecting to the Ubiquiti, you should not have any trouble. I turn power off on ports that do

Jun 06, 2026

Will a PoE switch damage a non-PoE device? : r/networking

Will a PoE switch damage a non-PoE device? My boss is adamant about the fact that our Cisco and Zyxel PoE switches that we

Jun 06, 2026

Can I connect non-PoE devices to the PoE switch's PoE ports?

Yes, you can. All EnGenius PoE switches have auto-sensing PoE ports. This means that the PoE port will detect if the

Oct 11, 2025

PoE (Power over Ethernet) switch, PoE switch, Modern PoE Switches

PoE switches intelligently identify the type of connected devices and only transmit data to non-PoE devices without

Aug 30, 2025

Connecting non PoE devices to PoE switch

I wanted to know if the switch will damage the non poe devices as the switch itself is a poe one. Further please let me

Jun 16, 2026

PoE Switch Be Used with Non-PoE Switch | FiberOpticBank

Here are the answers. Can PoE Switch Be Connected to a Non-PoE Switch? PoE and non-PoE switches are both network switches,

Dec 05, 2025

Is it safe to connect a PoE injector switch to an ordinary PC?

No, it is not safe to plug an ordinary PC into a passively-powered 24V PoE switch output. Unlike standard 48V "active"

Nov 28, 2025

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

Dec 14, 2025

Can PoE Switch Be Used with Non-PoE Switch?

For those who have both PoE and non-PoE switches, they may wonder whether the PoE switch can supply power to

Oct 01, 2025

Comparing PoE vs Non-PoE Switch: Can They Work Together?

In contrast, non-PoE switches handle data transmission only. They do not supply power and require all connected

Jul 02, 2026

PoE and Non-PoE Device Compatibility Detailed

Understanding the compatibility between PoE and non-PoE devices is essential for stable network operation. This

Jun 15, 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.

Oct 02, 2025

What are the consequences of supplying PoE to a device that does

However, non-standard PoE switches do not have this detection function and will directly supply power. If a non-PoE

Oct 21, 2025

Can I connect a PC to a PoE switch?

This voltage is safe for users, but it can still damage equipment that has not been designed to receive PoE. Therefore, before a PoE

Jan 26, 2026

Troubleshooting Power over Ethernet (PoE)

This results in a symptom where a known-good powered device is connected to a known-good PoE port on a switch,

Jan 07, 2026

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 15, 2025

Configuring Power Over Ethernet

Budgeting Power for Devices Connected to a PoE Port When Cisco powered devices are connected to PoE ports, the

Nov 09, 2025

PoE Configuration Guide

These sections provide information about the conditions required for a PoE capable switch to provide power, how the

Oct 12, 2025

Can I Plug a non-poe Device into a Poe Port? : r/Ubiquiti

You can definitely use non PoE devices on PoE ports, but just make absolutely certain you haven't configured the port to use passive

Feb 22, 2026

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

Conclusion Troubleshooting a PoE switch that's not working can seem daunting, but with systematic checks and a

Aug 30, 2025

Can I use a POE switch to attach a device that doesn't need POE?

Yes; my switch is PoE and I only have 1 PoE device, most everything else connected to it are non-poe devices. The PoE IEEE

Sep 12, 2025

Will a POE device work if it is connected to a NON-POE Switch

It will not work. A switch is not just a mechanical coupler which passes on the same signal, a switch takes a TCP packet, reads it,

Aug 07, 2025

Connecting non PoE devices such as PC to PoE switches

Thus connecting non-PoE "aware" devices to PoE switches is safe. Be aware there are vendors and device makers still

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://ntmmgroup.co.za>

Email: sales@ntmmgroup.co.za

Phone: +27 82 471 2596

Address: Unit 7, Optic Park, 24 High-Tech Lane, Century City, Cape Town,
7441, South Africa

This document is for informational purposes only. Specifications subject to
change without notice.

