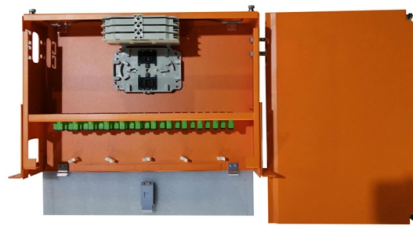


# PoE switches can connect to non-PoE switches



## Article Overview

PoE switches and non-PoE switches can be connected safely for data transmission, but PoE power will only be delivered to devices directly connected to a PoE switch.

### Compatibility Overview

PoE (Power over Ethernet) switches transmit both data and electrical power over a single Ethernet cable, while non-PoE switches handle data only and require devices to have their own power source . When connecting a PoE switch to a non-PoE switch:

- Data transmission works normally between the switches.
- PoE power does not pass through the non-PoE switch, so devices connected to the non-PoE switch will not receive power from the PoE switch .
- Standard-compliant PoE switches detect whether a connected device supports PoE before supplying power, ensuring non-PoE devices are not damaged .

### Practical Deployment Scenarios

- Direct Connection: A PoE switch can connect to a non-PoE switch via an uplink port. Data flows seamlessly, but only devices connected to the PoE switch receive power .
- Using PoE Injectors: If you need to power PoE devices through a non-PoE switch, a PoE injector can be used. The injector adds power to the Ethernet line while the non-PoE switch handles data .
- Cascading Networks: In hybrid networks, PoE power is only applied to the terminal PoE devices. Intermediate non-PoE switches do not forward power, so careful planni...

## Article Content

PoE vs Non-PoE Switches: Can They Work Together?

Good news: PoE and non-PoE switches can absolutely work together —as long as you design the network with power budgeting,

Can I connect a POE switch to a non-POE switch?

So, I plan to put a POE switch in each floor, that means I have 3 POE switch. All the devices will have to connect to my

Can PoE Switch Be Used With Non-PoE Switch

It can access the aggregation switch at the upper end and the distributed switch at the lower end. General PoE switches have a port

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

Yes, a PoE switch can pass through a non-PoE switch. When a PoE-enabled device is connected to a PoE switch, and that PoE

A Step-by-Step Guide to Integrating Non-PoE Devices on a PoE

If you're new to IT networking and are wondering whether you can add PoE devices to a legacy switch or add a new PoE switch to a

POE to a non-POE switch

You can connect it fine. 802.3af/at is auto-negotiating. It will only provide power to devices that request it. You can get

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

I want to connect my Lutron Hub which is not a POE device, but the only port available on my 60w 8 switch is port 8 which is POE. Is

Mixing PoE and non-PoE devices on a PoE switch : r/homelab

Mixing PoE and non-PoE devices on a PoE switch I've been planning my first homelab and power consumption and noise are my

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

Can PoE and non-PoE switches work together? The short answer is yes. PoE switches and non-PoE switches can operate together

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

## Contact Us

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