

PoE switch cascading distance



Overview

In PoE (Power over Ethernet) technology, the Ethernet link between the Power Sourcing Equipment (PSE) and the Powered Device (PD) has a clearly defined maximum distance limit—328 feet (100 meters). This PoE max distance is set in the IEEE 802.3af/at/bt Ethernet standards that define PoE and applies equally across all generations of PoE and types of Ethernet. PoE technology adheres to the same 100-meter (328 feet) distance limitation as standard Ethernet for both data and power delivery. This means that a PoE switch can reliably supply power to a compatible device up to this distance. Note that this isn't identical with the maximum length of an Ethernet cable. When you use a midspan, you should calculate the distance between the camera and the switch that the midspan is connected to.



Article Content

Jan 28, 2026

Power supply distance limitation and extension scheme for PoE switches

In practical applications, if the power demand of a device exceeds the single port output capability of a PoE switch (such as 90W for PoE++), the voltage drop problem will further compress ...

Sep 01, 2025

PoE Distance Limit: Enhance Power Connection

Discover the PoE Distance Limit: Learn how Power over Ethernet (PoE) extends its reach, factors impacting distance, and solutions to maximize power delivery.

Jan 21, 2026

Path of Exile 2

In this post we will compile all the Path of Exile 2: Return of the Ancients teasers as they're posted. We're excited to bring you the announcements from GGG Live, where we'll be revealing our new ...

Jan 31, 2026

poe.ninja

Explore economy and build overviews for the action role-playing game Path of Exile.

Feb 06, 2026

PoE Distance Limit Explained: What It Means for Your Networked ...

Understanding the PoE distance limit is essential when planning device placement—especially in large homes, offices, warehouses, or outdoor areas. In this article, we'll explain what the PoE distance limit ...

Mar 08, 2026

PoE Switch Distance Limit: How Far Can Power over ...

Understand the PoE switch distance limit, how Ethernet standards affect it, and ways to extend beyond 100 meters using PoE extenders, fiber media converters, and ...

Nov 30, 2025

How To Connect POE Switch To POE Switch

Cascading means that the switch is connected to the next layer of switches to extend the distance of the network cable, but only up to 5 levels can be cascaded, and the layer cascaded to the network ...

Jul 19, 2026

Poe introduces a price-per-message revenue model for AI bot creators

Bot creators now have a new way to make money with Poe, the Quora-owned AI chatbot platform. On Monday, the company introduced a revenue model that allows creators to set a per ...

Oct 15, 2025

Understanding PoE Switch Power Supply Limits: Why Is the Maximum ...

Major manufacturers like Huawei have advanced PoE switches (e.g., Huawei S5700 & S6700 series) that comply with IEEE standards while offering enhanced power management. ...

Aug 13, 2025

PoE Standards and the PoE Switch Distance Limit

This PoE switch distance limit applies to all PoE versions and Ethernet cable types. When a single Ethernet run exceeds this Power over Ethernet distance, issues such as power loss, voltage drop, ...

Nov 05, 2025

Path of Exile

Path of Exile is a free online-only action RPG under development by Grinding Gear Games in New Zealand.

Jun 27, 2026

What is the transmission distance of PoE?

Please note that the extender consumes some of the power it receives to operate itself, only the remaining power will be passed to the next device. For a scenario with 2 levels of PoE ...

Jun 07, 2026

Path of Exile 2 is coming to PS5, couch co-op and cross-play confirmed

Path of Exile 2, the next generation free-to-play action RPG from Grinding Gear Games, will be coming to PlayStation 5, and now with a great new feature, couch co-op.

Jun 23, 2026

Path of Exile on Steam

Created by hardcore gamers, Path of Exile is an online Action RPG set in a dark fantasy world. With a focus on visceral action combat, powerful items and deep character customization, Path of Exile is ...

Apr 14, 2026

PoE Distance Limit: Comparing Ethernet Switch Range

We offer a range of reliable PoE switches and networking accessories, including PoE extenders and media converters, to help you overcome distance limitations and build robust, long ...

Oct 23, 2025

PoE Planner

PoE Planner is a tool to plan & share your Path of Exile & Path of Exile 2 builds. For example the passive skill tree, atlas skill tree, equipment and skills.

Jun 07, 2026

What is the maximum distance for power and data when using PoE?

When you use a midspan, you should calculate the distance between the camera and the switch that the midspan is connected to. If you need to extend the distance of your PoE connection, you can use a ...

Feb 07, 2026

The Path of Exile Wiki

Equipment is crucial to an exile 's survival and combat effectiveness. Magic and rare items have random affixes that determine their modifiers. Unique items have a fixed list of modifiers and ...

Contact Us

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