

How many optical ports should a switch with dual uplinks use



Overview

In the dual-uplink solution for the access side, two uplink optical ports on each access switch are added to an Eth-Trunk. It has 24 Gb ports and 4 SPF+ uplinks. Would I be correct in assuming that one of the regular Gb ports could also be used to connect multiple switches together?

If so, other than bandwidth, are there any. If you have multiple Ethernet switches that need to be connected over long distances, fiber is obviously a preferred choice. Moreover, when it comes to bandwidth, no currently available technology is better than single-mode fiber. It can provide significantly higher bandwidth and carry more data. Have a switch coming this week for my homelab that has 8 ports and 2 uplink ports. This PEN networking solution is similar to the traditional Eth-Trunk networking, but you need to pay attention to the pairing relationships between PEN remote optical modules. How many gigabit ports are you looking to have on each?

will the backplane support 24G throughput?

since that will be the max on a 24 port gigabit switch. if you have 2 etherchannel teams, to different switches we'll start talking about getting that bandwidth maximized. Figure 3: NETGEAR GS108X with 1 x 10Gbps Uplink Port (Source from NETGEAR) The data flow range of.



Article Content

May 16, 2026

How to Connect Multiple Ethernet Switches Using Fiber Optic Cables ...

To connect multiple Ethernet switches, the best way is to use a multi-strand fiber cable. The 4-strand pre-terminated fiber optic cable consists of four individual strands or fibers of glass or

Mar 11, 2026

Connecting multiple uplink ports between 2 switches

on cisco active active only works between switches. in like VMware hosts you connect single ports and VMware will team and loadbalance their use. Edit; saw they are 10GB ports, well,

Aug 02, 2025

Ethernet Switch Port Types Explained 2026: RJ45, SFP,

This guide provides an engineering-level overview of switch port technologies, real-world deployment mapping, and detailed selection

Feb 07, 2026

Uplink Port vs Normal Port on Network Switch

Discover the meaning and key differences between uplink ports and normal ports and how they work in modern Ethernet switches.

Feb 17, 2026

Fiber Uplink port

hi, 1- What is fiber uplink port on switch ? can i connect between two switches through fiber uplink port ? 2- how to connect more than 2 switches through fiber ?

May 01, 2026

Switch with 2 uplink ports? How to use them? : r/homelab

I would only use 1 uplink port. Doing LACP bonding does not give you extra bandwidth in the way most people believe it does. When you bond 2 1Gbps interfaces, it doesn't give a single device 2Gbps of

Dec 20, 2025

Ethernet Switch with 10Gb Uplink or 1Gb Uplink

Thus gigabit switch with 10Gb uplink is also called as 10GbE switch by many users. In the market such Ethernet switches with 10Gb uplinks are

Jun 22, 2026

Understanding Switch Uplink Ports and Their Functionality

A: You should use an uplink port on a switch when you need to connect the controller to another networking device, such as another switch or a

Apr 18, 2026

Connecting multiple uplink ports between 2 switches

Switch Pro Aggregation from UniFi has 4 ports with 25G. if I have two same switches and I connect both of them with 3 cables through 25G ports, will that work, if it does will it improve the

Jan 24, 2026

Can I have 2 uplinks from one switch to the UDM-Pro in

Second issue is the USW-24-POE supports only gigabit SFP (I'd need the PRO switch if I want 10Gig SFP+ but the cost is much higher and because the 8

Dec 21, 2025

What Is an OLT? Complete Guide to Optical Line Terminal | Langzhi ...

8-Port EPON/GPON Combo OLT — For ISPs that need dual-standard support. Switchable between GPON and EPON on a per-port basis. 10G uplinks, comprehensive DBA algorithms, and remote

Oct 16, 2025

Solved: what is the best practice for uplink connection for 4x 48port ...

Hi, we have 4x48port (all 1G ports without 10g port uplink) access layer switches and need to connect them the core switches. can anyone please advise how many uplink should be bundled together as

Feb 12, 2026

Can I aggregate multiple uplink ports between Ethernet switches?

The uplink run between the rooms would be around 30-40 feet. From what I understand, this should be achievable with QSFP modules in each switch and the appropriate fiber optic cables. This is a digital

Mar 08, 2026

Uplink Interface Connectivity

Uplink Interface Connectivity This workflow describes how to configure the Ethernet interfaces that connect a switch or switch stack to distribution switches or routers. These interfaces are uplink

Nov 15, 2025

Best Practice for Switch Stack Uplinks

What is everyone's best practice for switch stack uplinks? If there's a stack containing 8 switches and we can fit 8 uplinks in a port channel, should there be an uplink from each switch in the

Jan 20, 2026

Why do some switches have 2 uplink ports?

Can a switch have 2 uplinks? Yes, you can definitely use multiple uplink ports in an Ethernet switch to increase its bandwidth! By connecting multiple uplink ports to different network devices or switches,

Oct 11, 2025

Can I aggregate multiple uplink ports between Ethernet switches?

This switch has 48 SFP+ ports and 6 40-GbE uplink ports. Goal: To the greatest extent possible, I would like to provide 10-GbE line-rate performance between any pair of hosts in both rooms. As long as

Aug 16, 2025

Solved: Connecting switches thru uplinks

In my current DC I have two L2 switches connected thru one gbps uplinks with around 6 vlans. As I am running out of L2 ports so I would like to add one more L2 switch and the new setup

Nov 06, 2025

ITPro Today, Network Computing, IoT World Today combine with

ITPro Today, Network Computing and IoT World Today have combined with TechTarget . The page you are looking for may no longer exist.

Dec 10, 2025

Dual-Uplink Solution for the Access Side

In the dual-uplink solution for the access side, uplink ports of the same access device can use PEN remote optical modules with different wavelengths (IDs). PEN central switches set up a stack

Apr 26, 2026

Best Practice To Use Uplink Connection on Stacked Switches

" When these switches are deployed in stack configuration mode, we recommend maintaining the same uplink connection design principle as for a dual stack-member system. The

Jul 13, 2025

Solved: Understand uplinks

Solved: I need some help in understanding the usage of an switch uplink. Lets take the C1000-24T-4X-L as an example. It has 24 Gb ports and 4 SFP+ uplinks. My basic understand it that

Mar 07, 2026

Switch Uplink Port and Normal Port: What is the

The most common switch normal ports are RJ45 interfaces, while uplink ports are typically SFP or SFP+. Generally, uplink ports' physical interface

May 16, 2026

Switch Uplink Port and Normal Port: What is the

You can find both uplink and downlink ports on some switches; what is the difference between them? Whether you are a networking novice or a

Feb 20, 2026

Switch Stack

You could also create a LAG group and assign all the uplink ports to it. This way no loops are created from the dual uplinks, and if one goes down it

Contact Us

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

Website: <https://www.moletenare-ew.co.za>

Email: info@moletenare-ew.co.za

Phone: +86 138 1658 3346

Address: Ningbo, China

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

