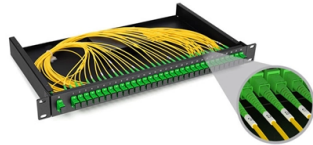


Why use dual uplink on the access switch



Overview

Network redundancy and failover: Utilizing dual uplink ports or link aggregation (LACP) creates backup paths between switches, improving network reliability and preventing downtime in mission-critical environments. · Configure Layer 2 static link aggregation for the two uplink interfaces connecting the AP and the access switch. Configure load balancing based on source and destination MAC addresses for data traffic to be load balanced among different member ports of the aggregation. You can configure the load. 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 stack?

Or 2 uplinks (master + standby), 2 Uplinks (members only), 2 uplinks (master + member), some other combination, etc. I see different opinions, best. This document describes the Passive Ethernet Network (PEN) solution, including its introduction, typical deployment scenarios, deployment guide, typical faults, and FAQs. WS-C2960-24TC-L (Uplinks - 2 Dual Purpose) 24Gb ports + 2 dual purpose uplinks 2. Uplink ports support the APs management VLAN, carry AP management traffic, establish tunnels to Gateways and forward bridged client traffic.



Article Content

Mar 01, 2026

Dual-Uplink Solution for the Access Side

This PEN networking solution is similar to the traditional Eth-Trunk networking, but you need to pay attention to the pairing

Dec 16, 2025

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

Hi friends. Have a switch coming this week for my homelab that has 8 ports and 2 uplink ports. Was wondering on the best usage for

May 04, 2026

Switch Stacking vs Uplink: Which Is Better for Connecting Switches?

Generally, a stackable switch has a dedicated ports for stacking via special cable or module, which brings higher costs.

Apr 04, 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

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Why do some switches have uplink ports?

The "uplink" port on your SOHO switch is internally crossed over. It relieves you of having to use a crossover cable to

Jan 25, 2026

Core/Aggregation Switches | Nodexon

Switch uplink is a subjective concept which means that the cascading of ports between two switches is facilitated via a so-called

Dec 27, 2025

Switching 101: Best Practice for Uplinks and Backbone?

Could a small gigabit switch be used as a backbone for other gigabit switches, or would something more powerful be

Nov 02, 2025

ieee 802.1ax

I suppose access switches usually have faster uplink ports to the core switches than the access ports. In my lab

Mar 02, 2026

Data Center Server Access Topologies: Part 4, Uplinks

The access and distribution layer devices peer over an IGP. ECMP (equal cost multi-path) can be used to distribute the

Nov 15, 2025

Solved: Using a downlink as an uplink

Solved: Hello, I am considering the use of the switch WS-C2960S-24TS-L as a standard access switch for a large

Aug 16, 2025

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

Feb 26, 2026

Best Practice for Switch Stack Uplinks

Two major reasons for that, first if you're using optics, lots of transceivers can become more expensive than higher

Dec 08, 2025

Exploring the Importance of PoE Switch Uplink Ports

Network redundancy and failover: Utilizing dual uplink ports or link aggregation (LACP) creates backup paths

Jul 14, 2026

Two uplinks in core switch

Hi Expert Team, i had two uplink from location_1 core switch to location_2 core switch. And i want to configure these

Apr 05, 2026

Solved: Uplink Ports vs Normal Ports

The network modules appear to be pricey, and I'm trying to sort out if I could just use any of the standard 24 ports to

Jul 16, 2026

Uplink Ports: their importance, variations, and significance

The Working of an Uplink Port A network typically consists of a core layer, a distribution layer, and an access layer, each having a

Jan 27, 2026

Access point port usage | TechDocs

Uplink ports are used to connect APs to the access switching layer. Depending on the AP model, an AP can be

May 03, 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

Jul 24, 2026

Uplink Port vs Normal Port on Network Switch

In the switch technology framework, uplink ports and normal ports are akin to highways and city roads. This article

Oct 20, 2025

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

Feb 28, 2026

Exploring the Importance of PoE Switch Uplink Ports

Are you deploying IP cameras, VoIP phones, or wireless access points and wondering why your network still faces

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Example for Configuring Dual-Uplink Internet Access Using Static IP ...

In addition, NAT needs to be configured to enable intranet users to access the Internet. Figure 3-18 Configuring dual-uplink Internet

Feb 26, 2026

Switch Stacking vs Switch Trunking vs Switch Uplink

Learn how switch stacking, trunking, and uplink differ in function and deployment to determine the proper method for

Dec 28, 2025

MR57 Dual Uplink, PoE Redundancy, and High Availability

Dual PoE (dual-uplink mode): both Ethernet ports receive PoE and act as uplinks. In the event of a failover, the brain of the AP

May 13, 2026

CISCO 350 multiple uplink between two switch

Hi I have a network with some CISCO 350 Switch. I define 3 VLAN: VLAN 1 Default, VLAN 3 VOIP and VLAN 4

Contact Us

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