

Multi-port Aggregation Switch



AI Overview

Multi-switch port aggregation combines multiple physical ports across switches to increase bandwidth, provide redundancy, and improve network resilience.

Overview

Multi-switch port aggregation, often implemented as Link Aggregation Groups (LAGs) or Multi-Chassis LAGs (MC-LAGs), allows multiple physical connections between switches to function as a single logical link. This setup increases total bandwidth beyond what a single port can provide and ensures network redundancy, so that if one link fails, traffic continues over the remaining links .

Key Benefits

- **Increased Bandwidth:** Aggregating multiple ports allows higher throughput between switches or between a switch and a high-performance client .
- **Redundancy and Failover:** If one physical link fails, traffic is automatically rerouted to the remaining active links, minimizing downtime .
- **Load Balancing:** Traffic can be distributed across all aggregated links, preventing bottlenecks and optimizing network performance .
- **Resilience Across Switches:** MC-LAG enables two switches to act as a single logical unit, allowing devices to connect to both switches simultaneously for higher availability .

Protocols and Modes...

Article Content

Feb 10, 2026

Link Aggregation (LAG) im Netzwerk

Link Aggregation geht im Netzwerk (fast) immer mit LACP (Link Aggregation Control

Nov 10, 2025

What Are Link Aggregation, LAG, and LACP?

What Is LAG and How Does It Work? Link Aggregation Group (LAG) is the practical implementation of link

May 13, 2026

Configuring MC-LAG in UniFi Network – Ubiquiti Help Center

Configuring MC-LAG in UniFi Network Multi-Chassis Link Aggregation Group (MC-LAG) enables redundancy and load balancing by

Jun 17, 2026

Switch Hi-Capacity Aggregation

A 32-port, Layer 3 switch made for high-capacity 10G SFP+ and 25G SFP28 connections.

Jul 04, 2026

Link aggregation

Link aggregation between a switch and a server In computer networking, link aggregation is the combining (aggregating) of multiple

Nov 21, 2025

How to Aggregate Ports on UniFi Switch

The process involves selecting the ports you wish to combine, creating a new link aggregation group, and assigning

Jul 25, 2025

BrosTrend 2.5Gb Switch, Unmanaged 8 Port Ethernet Switch 2.5

BrosTrend 2.5Gb Switch, Unmanaged 8 Port Ethernet Switch 2.5 Gigabit Supports Static Link Aggregation & VLAN, Fanless,

Mar 02, 2026

EOS 4.36.1F

A Multi-chassis Link Aggregation Group (MLAG) is a pair of links that terminate on two cooperating switches and appear as an

Jun 04, 2026

Network switch

Network switch Avaya ERS 2550T-PWR, a 50-port Ethernet switch A network switch (also called switching hub, bridging hub,

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Aggregation Switch | D-Link

Provides advanced Security ACLs for improved security, traffic control, and QoS, ensuring efficient and

Mar 09, 2026

UniFi Switch Comparison and Buyers Guide — McCann Tech

UniFi Switch Comparison and Buyers Guide This guide compares all 30+ models of UniFi switches. It starts off with the

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Link aggregation

Link aggregation offers an inexpensive way to set up a high-capacity backbone network that transfers

Jan 25, 2026

RG-NBS5300-8MG2XS-UP, 10 Ports Multi-Gigabit Layer 3 Managed Switch ...

RG-NBS5300-8MG2XS-UP 10 Ports Multi-Gigabit Layer 3 Managed Switch with 8 PoE++ Ports, 2 SFP+ Uplink Ports Enterprise,

Sep 08, 2025

UniFi Switching

Intuitive Port & VLAN Management Global Switch Configuration Centralized Remote Management MC

Apr 08, 2026

Aggregation Network Switches | Grandstream Networks

Layer 3 aggregation switches that allow enterprises to build scalable, secure, high performance and smart business networks that

Aug 09, 2025

32-Port 10G Layer 3 Stackable Aggregation Managed Fiber Switch

28 Ports 10 GbE Multi-Gigabit for downlink 4 Ports 10/25 GbE SFP28 for uplink
Physical stack of up to 9 units via four 25 GbE ports

Dec 07, 2025

Port Aggregation FAQs

Port aggregation can increase maximum throughput, and allow for network redundancy. It does this by splitting traffic across multiple

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UniFi link aggregation: the ultimate guide | UniHosted

Instead of all the traffic flowing through one port, link aggregation spreads it across multiple ports. This prevents a single port from

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What Is an Aggregation Switch and How to Choose?

An aggregation switch is a network device that consolidates traffic from multiple access switches, wireless access

Dec 28, 2025

Alles, was Sie über Aggregation Switch wissen müssen

Was ist ein Aggregationsschalter und wie funktioniert er? Ein Aggregation-Switch konsolidiert den Datenverkehr von

Oct 15, 2025

What Is an Aggregation Switch and How to Choose?

Their primary role is to aggregate traffic from multiple access switches, reducing the load on core switches. They also

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Link_Aggregation_Config_Guide

1 Link Aggregation Configuration Guide This document describes the Link Aggregation feature supported in

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UniFi Enterprise Campus Aggregation

1.8 Tbps high-density 100G/25G Layer 3 Etherlighting™ aggregation switch with MC-LAG support for high

Dec 06, 2025

Link Aggregation: Static vs Dynamic, LACP, and MLAG

This article provides a comprehensive explanation of link aggregation — covering LACP,

Jan 06, 2026

What are Link Aggregation Groups (LAGs) and how do

What are Link Aggregation Groups (LAGs) and how do they work with my managed switch?

May 20, 2026

Understanding Switch Aggregation: A Comprehensive

Defining switch aggregation and its role in network architecture Switch aggregation, also

May 11, 2026

Port Aggregation Configurations

Port aggregation allows you to group multiple physical ports into one unit. Port aggregation is useful for implementing load balancing

Contact Us

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