

Multi-WAN Aggregation Switch



Overview

These devices aggregate multiple Wide Area Network (WAN) connections to provide improved bandwidth, increased reliability, and transparent failover features that keep your operations up and running between diverse locations. This is not the only option for. UniFi enables High Availability across your deployment by building redundancy into every part of the network—from Gateways to Switches to Access Points—so that if one component fails, another instantly takes over. These devices combine traffic links at greater speeds to support the growing need for remote access to internal networks and external networks like the internet and cloud. These aggregation switches support. Welcome: This article aims to bring clarity to the daunting and confusing task of routing multiple WAN and ISP provider connections in and out of your network. We will be using RouterOS version 7 firmware to accomplish these techniques. Examples will include Static IP wan connections, DHCP. The USW-WAN is a 4-port 10G SFP+ UniFi switch designed for high-speed WAN aggregation. Supports VLANs, LACP, and centralized management through the UniFi Controller.



Article Content

May 30, 2026

Everything You Need to Know About Aggregation Switch

An aggregation switch consolidates data traffic from multiple network access switches into a single high-bandwidth link directed toward a core network

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Huawei Ethernet Switch & Network Switches Solutions

Thunder link offers various models of Huawei Ethernet switches and network switches, including the S5720, S6720, S6730, CE6800 and CE12800, designed

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What is WAN Aggregation? | Inseego

WAN aggregation also relies on robust failover mechanisms to automatically reroute traffic if one ISP or connection fails. Seamless switching

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MultiWAN with RouterOS

Welcome: This article aims to bring clarity to the daunting and confusing task of routing multiple WAN and ISP provider connections in and out

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Ubiquiti UniFi WAN Aggregation Switch (USW-WAN)

The USW-WAN is a 4-port 10G SFP+ UniFi switch designed for high-speed WAN aggregation. Ideal for multi-WAN enterprise deployments requiring fiber uplinks, redundancy, and UniFi Network integration.

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Aggregation Switch

An aggregation switch refers to a type of switch used to connect multiple ToR switches to a core switch/router in a cloud data center network. It enables high-bandwidth aggregation ports to be

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Explore WAN aggregation routers from Cisco and leading vendors, engineered for

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How To Set Up Switch Link Aggregation

Link Aggregation is also referred to as Port Trunking, Port Teaming, Ethernet Trunking, and Link Bundling. Cisco has a a multi-port proprietary technology

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UniFi Dream Machine Beast vs UDM Pro Max: SMB Guide 2026

UniFi Buyer's Guide — Where to start if you're building out a new UniFi system from scratch. UCG Fiber Review — The 10G-WAN alternative for deployments that need multi-gig WAN

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How do I set up Ethernet port aggregation on my

Ethernet port aggregation between two devices allows your devices to treat multiple Ethernet links as if they were a single link. Combining two network

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What Are Aggregation Service Routers (ASR)?

Aggregation devices can enable an SD-WAN platform to combine multiple WAN connections, using various network transports, and network services such as

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Aggregation Switch | D-Link

Aggregation Managed Switches Streamlined Aggregation, Maximum Efficiency Versatile Speeds Provides 1G, 2.5G, and 10G speeds for flexible customization,

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Aggregation Network Switches | Grandstream Networks

These aggregation switches support advanced VLAN for flexible traffic segmentation, advanced QoS for prioritizing network traffic, IGMP/MLD Snooping for optimizing

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How to enable WAN Aggregation on ASUS router?

The WAN aggregation supported by ASUS wireless routers vary by model, you may refer to the product user manual or the product specifications

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What is an Aggregation Switch? | Features and Practical Benefits

Conclusion: What is an aggregation switch? In network architecture, they are now extremely important. The technology behind these switches is link aggregation which is the process

Oct 30, 2025

What is WAN Aggregation/WAN Aggregator? | Fortinet

Switches should be top of mind for businesses when it comes to WAN Aggregation, especially those that offer support for LACP to handle connections. These

Feb 10, 2026

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 points, or other edge devices and

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WAN Aggregation | A Smarter Take On Enterprise

Does Link Aggregation Increase Internet Speed? No, link aggregation itself does not directly increase the speed or bandwidth of individual internet

Nov 13, 2025

An Overview of High Availability in UniFi - Ubiquiti Help Center

The Enterprise Campus Aggregation is a high-capacity 100G switch that extends redundancy to the core of your network. It features Multi-Chassis Link Aggregation (MC-LAG), which allows combining two

Apr 17, 2026

WAN aggregation through switch? : r/Ubiquiti

As long as the wan connections on the switch are in a separate vlan, that should work fine. In enterprise networks wan is often transported with vlans over switching. To my best knowledge that won't work,

Nov 24, 2025

Link Aggregation and Load Balancing

In order to configure 2 or more ports (up to 8) to be a port aggregate, simply navigate to Switching > Monitor > Switch ports and select the target ports, then choose "Aggregate". It is

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What is the difference between LAN and WAN Ethernet

Ethernet port aggregation between two devices allows your devices to treat multiple Ethernet links as if they were a single link. Combining two network

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