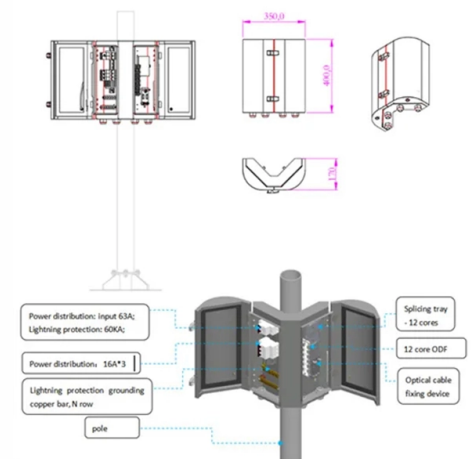


How to configure multiple broadband switch aggregation



Summary of Content

Multi-broadband aggregation on switches is achieved using LACP or MC-LAG/M-LAG to combine multiple physical links into a single logical interface for higher bandwidth, redundancy, and load balancing.

Key Concepts

Link Aggregation (LAG) combines multiple Ethernet ports into a single logical link, increasing throughput and providing failover if one link fails. Dynamic LAG uses LACP (Link Aggregation Control Protocol, IEEE 802.1AX) to automatically negotiate and manage aggregated links, while static LAG requires manual configuration on both ends. MC-LAG / M-LAG virtualizes two physical switches into a single logical system, allowing upstream devices to connect to both switches simultaneously. This provides load balancing, redundancy, and minimal downtime. Each switch in the pair is designated as primary or secondary, and traffic is coordinated between them to appear as a single device to connected systems.

Configuration Guidelines

- Port Selection and Speed
- Use sequential ports for aggregation.
- All ports in the aggregation must operate at the same speed.
- Use identical SFP modules or DAC cables to ensure proper negotiation.

Article Content

Port Aggregation FAQs

To learn how to configure an MC-LAG setup, see this guide. Find help and support for Ubiquiti products, view online documentation

Broadband Access Aggregation and DSL Configuration Guide, Cisco

Before you begin to perform the tasks required to accomplish broadband access aggregation, there are several

Link aggregation

Link aggregation offers an inexpensive way to set up a high-capacity backbone network that transfers multiple times more data than

How to enable Link Aggregation (LAG) on UniFi Switches

In this article, we will take a look at when to use Link Aggregation and how to configure it on UniFi switches. Using

Link Aggregation and Load Balancing

To configure two or more ports, up to eight, as a port aggregate, navigate to Switching > Monitor > Switch ports and

Unlock Speed with Ethernet Port Aggregation Guide

Setting up dual gigabit Ethernet port aggregation is easy if your router supports it. You just need to designate ports,

Link Aggregation: Static vs Dynamic, LACP, and MLAG Configuration

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

The Ultimate Guide to Installing and Configuring the Ubiquiti UniFi ...

The Ubiquiti UniFi Switch Aggregation (USW-Aggregation) is a powerful, high-capacity switch, perfect for streamlining

Understanding Switch Aggregation: A Comprehensive

Ascentoptics: Everything You Need to Know About Aggregation Switch: This

Configuring MC-LAG in UniFi Network – Ubiquiti Help Center

This setup ensures minimal downtime and increased throughput by aggregating multiple links. When configuring MC-LAG, it is

Understanding Switch Aggregation: A Comprehensive Guide

Ascentoptics: Everything You Need to Know About Aggregation Switch: This comprehensive guide covers everything

Contact Us

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