

# Where to place the aggregation switch



## Overview

The aggregation switch is located in the middle of the network architecture, which is equivalent to a middle-level manager of a company. By bundling multiple network connections into a single high-bandwidth link, aggregation switches help. Switch aggregation, also known as link aggregation or trunking, is a method used in computer networking to combine (aggregate) multiple network connections in parallel. This arrangement increases throughput beyond what a single relationship could sustain, offers redundancy in case one of the links. An aggregation layer usually comprises a few blocks of two switches in MCLAG. By design, it therefore provides resiliency because it will always be deployed in pairs of switches and comes with a recommendation to deploy only dual hot swappable power supplies and redundant fans in each switch to. An aggregate switch is a high-capacity network switch that consolidates connections from multiple access switches, acting as a central point for managing network traffic and providing enhanced bandwidth capabilities. The Pro Aggregation does this with its SFP28 25Gbps ports. The configuration examples in this document were created and verified in a lab environment, and all the devices were started with the factory default configuration.



## Article Content

Dec 16, 2025

### AOS-CX 10.07 Link Aggregation Guide

For a successful dynamic aggregation, make sure the peer ports of the ports aggregated at one end are also aggregated, and that one of the ends is configured as "active".

Oct 28, 2025

### Core, Aggregation, or Access Switches? Choose the

Discover the crucial differences between core, aggregation, and access switches. Find out which type can best transform your network's

Nov 08, 2025

### Aggregation layer | FortiSwitch 7.6.0 | Fortinet Document Library

Aggregation layer Aggregation layer The aggregation (sometimes also called distribution) layer is a real crossroad. Its primary goal is to increase network scalability by providing a single place to

Mar 09, 2026

### What Is an Aggregation Switch and How to Choose?

Discover the role of aggregation switches. Explore differences between aggregation, access, and core switches, and choose the right model

Mar 11, 2026

### What is an Aggregate Switch?

What is the difference between an aggregate switch and a core switch? An aggregate switch consolidates traffic from access switches, while a core switch forms the backbone of the

May 17, 2026

### 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

Feb 17, 2026

### Aggregation Switch

An Aggregation or "Top-of-Rack" switch is designed to connect everything in a rack at high speeds, then have an even bigger pipe out to the rest of the network. The Pro Aggregation does this with it's

Aug 22, 2025

Understanding Switch Aggregation: A Comprehensive Guide

QSFPTEK: How to Choose the Best Aggregation Switch?: This source provides a comprehensive guide on choosing the best aggregation switch, including a clear definition of what an

Oct 09, 2025

What is Switch Aggregation, Its Role and Selection Advice

Aggregation switches are positioned in the middle of the network architecture, similar to mid-level managers in a company. They are responsible for managing the data from the lower layer

Sep 03, 2025

What is an Aggregation Switch? | Features and Practical Benefits

This article focuses on the question of what is an aggregation switch and how it works its uses and its implementation. Read till the end to learn this very important concept in network

Aug 31, 2025

Chapter18:Link Aggregation Configuration

Chapter 1 Configuring Port Aggregation This chapter describes how to set the port aggregation of the switch.

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What is an Aggregation Switch?

Unlike the core switch, the aggregation switch can choose either the layer 2 switch or the layer 3 switch. When the layer 2 switches are selected, the

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What is an Aggregation Switch?

The aggregation switch is located in the middle of the network architecture, which is equivalent to a middle-level manager of a company. It

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What is an Aggregate Switch?

What is an Aggregate Switch? Understanding Centralized Network Management An aggregate switch is a high-capacity network switch that consolidates connections from multiple

May 02, 2026

Which Aggregation Switch to Choose?

Aggregation Switch vs. Core Switch vs. Access Switch In computer networks, distribution switches, core switches, and access switches refer to network switching devices at different levels,

Feb 11, 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

Dec 21, 2025

Why You Need a Fiber Aggregation Switch and How it

Differences Between a Core Switch and an Aggregation Switch A core switch and an aggregation switch are two kinds of switches, each having its

Jun 19, 2026

How To Set Up Switch Link Aggregation

In this article, I'm going to describe how to set up Link Aggregation between two managed switches to provide connectivity, redundancy, and expanded

Oct 16, 2025

The Importance of Using an Aggregation Switch in LAN Designs

When designing a Local Area Network (LAN), ensuring stability, performance, and scalability is crucial. One of the best approaches to achieving these goals is by using a central

Oct 27, 2025

Aggregation layer | FortiSwitch 7.4.0 | Fortinet Document Library

Aggregation layer platforms The most appropriate FortiSwitch unit to form the aggregation layer comprises many 10/40 gigabit Ethernet ports to address the access layer and a few 100-GbE ports

Jun 25, 2026

How to Choose Best Aggregation Switch?

Do you know what role an aggregation switch plays in your network and how to choose the best one? you will get the answer from this article to

Aug 02, 2025

Aggregation Switch : r/Ubiquiti

An aggregation switch would help with the load balancing for your setup, on a side note for both aesthetics and ease of use you should put your 48port switches in-between each of your 2 patch

## Contact Us

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