

What is a wireless aggregation switch



Article Overview

A wireless aggregation switch is a network device that consolidates traffic from multiple wireless access points and other network devices, forwarding it efficiently to core switches or routers while managing high-bandwidth wireless traffic.

Core Function

A wireless aggregation switch acts as a central hub for wireless and wired traffic in enterprise or campus networks. It collects data from multiple wireless access points (APs), access switches, servers, and other edge devices, then forwards it to higher-level core switches or routers, ensuring smooth and efficient traffic flow. By aggregating multiple connections, it reduces network bottlenecks and improves overall performance.

Key Features

- **Link Aggregation:** Supports protocols like Link Aggregation Control Protocol (LACP) or static link aggregation to combine multiple physical links into a single logical connection, increasing bandwidth and redundancy.
- **Layer 2/Layer 3 Operation:** Can operate at Layer 2 for switching or Layer 3 for routing, depending on network topology and configuration.
- **Traffic Management:** Prioritizes wireless traffic, implements VLAN tagging for traffic isolation, and can apply Quality of Service (QoS) policies to ensure critical wireless applications receive sufficient bandwidth.
- **Redundancy and Failover:** Provides failover capabilities to maintain network reliability in case of link or device failure

Article Content

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Standalone AC Solution: Aggregation Switches Function as Gateways

In this example, aggregation switches set up stacks that function as gateways for wired and wireless users on the entire network and

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Aggregation Router

An "Aggregation Router" is a device located in the services aggregation layer of a data center LAN that integrates important network

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What is an Aggregate Switch?

An aggregate switch is a high-capacity network switch that consolidates connections from multiple access switches,

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Everything You Need to Know About Aggregation Switch

The primary function of an aggregation switch is to aggregate and forward data from multiple

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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

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An Overview of High Availability in UniFi – Ubiquiti Help Center

This enables link aggregation of ports across both switches to effectively load balance traffic, and more importantly provide nearly

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UniFi link aggregation: the ultimate guide | UniHosted

Link aggregation is essential for connecting switches together. It lets you create a bigger "data highway" between them, ensuring fast

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What is an Aggregation Switch?

The aggregation switch is located in the middle of the network architecture, which is

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Aggregation Switch: Increasing the Priority of Special Traffic

Networking Requirements Core switches set up a CSS that functions as the core of the entire campus network to implement high

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Aggregation Switches

Aggregation switches consolidate data traffic from multiple network access switches into a single high-bandwidth link

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What Is an Aggregation Switch?

What Is an Aggregation Switch? Unveiling the Network's Backbone An aggregation switch is a powerful networking

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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

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What Are Aggregation Service Routers (ASR)?

What are aggregation services routers (ASR)? Aggregation services in routers and edge platforms help enable network edge routing.

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What is "link aggregation" and how does it benefit your

Using Link Aggregation it is simple to have these multiple Ethernet connections to act as one

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Different Types of Network Switches

There are several types of network switches and understanding the differences can help you make the right choices for your small

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Core, Aggregation, or Access Switches? Choose the

Selecting between core, aggregation, and access switches is not only technical — it's

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What is Aggregation Switch? Role in Network Connection

Aggregation Switch plays an important role in the aggregation layer, supporting the connection and management of

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What is Link Aggregation (LAG) in Networking?

Link aggregation is a technique used in networking to bundle multiple physical ports on a network device to operate as a single link.

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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

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Link aggregation

Network architects can implement aggregation at any of the lowest three layers of the OSI model. Examples of aggregation at layer 1

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Switch/Wireless Backhaul Aggregation?

Does anyone know if it is reasonable to team a pair of wireless bridges (assuming dissimilar frequencies) between

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Switch Hi-Capacity Aggregation

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

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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

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Link Aggregation: What is it, and How Does it Work?

Link aggregation is a way of bundling a bunch of individual Ethernet links together so they

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Understanding Switch Aggregation: A Comprehensive

Switch aggregation, also known as link aggregation or trunking, is a method used in

Jul 20, 2026

Cisco C9610 Series Smart Switches

Cisco C9610 Series Smart Switches are Cisco's next-generation modular core switches built to power future-proofed workplaces.

Oct 21, 2025

What Are Aggregation Service Routers (ASR)?

An aggregation router or edge platform can consolidate traffic streams and help an enterprise maintain consistent performance

Feb 09, 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

Contact Us

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