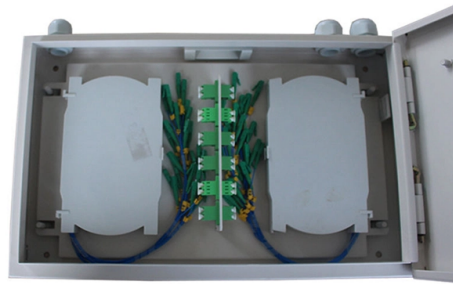


What cable should be used between the AC and the aggregation switch



Overview

The two types of devices use opposite transmit/receive pinout configurations and a straight-through cable is used to connect them. But when connecting the same interface type together a cross-over cable is necessary. However, that is all technically speaking. High-speed copper cables, with their advantages in high bandwidth and transmission speed, are poised to become the optimal solution for data center connectivity. These copper-based high-speed interconnects are primarily used for short-distance transmission scenarios within data centers, such as. What cable should I consider for gateway-to-aggregation switch connections?

For maximum throughput in gateway-to-aggregation switch connections, it is recommended to use SFP+. By splitting traffic across these aggregated ports, it increases maximum throughput and ensures network redundancy. This setup enhances performance, particularly when multiple. Straight-Through Cable - Four-pair, eight-wire, straight-through cable, which means that the color of wire on Pin 1 on one end of the cable is the same as that of Pin 1 on the other end. The cable is wired to either EIA/TIA T568B or T568A standards for. Link aggregation is the practice of bundling multiple physical Ethernet links into a single logical connection between two devices. Instead of one cable at 10G, you might have: Of course, as we'll see later, each flow does not get 40G, but in aggregate, you can use all the links.

Article Content

Port Aggregation FAQs

What cable should I consider for gateway-to-aggregation switch connections? For maximum throughput in gateway-to-aggregation switch connections, it is recommended to use SFP+.

Types of Cables and Connecting a Networking Devices

Crossover cable conforms to the structured cabling standards. If the crossover cable is used between switches, it's considered to be part of the "vertical" cabling.

Straight-through, Crossover & Rollover Cable Pinouts Explained ...

When talking about cable pinouts, we often get questions as to the difference in Straight-through, Crossover, and Rollover wiring of cables and the intended use for each type of cable. These terms

Understanding High-Speed Copper Cables: DAC, ACC, and AEC

Functionally, AEC provides stronger signal recovery capabilities and supports longer reach than ACC, though it also comes with higher cost. Therefore, the choice between ACC and AEC

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How to configure LACP on our Smart/ Managed Switch

LACP, defined in IEEE802.3ad, is used to combine multiple physical links dynamically as a logical link, and thus this logical link will have higher bandwidth and higher reliability.

Review Catalyst Switch Cable, Connector, & AC Power Cord Guide

For maximum throughput in switch connections, use SFP+ cables for 10G ports, SFP28 cables for 25G ports, or Cat6a/Cat7 Ethernet cables for switches with 10G RJ45 Ethernet port. Start

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Review Catalyst Switch Cable, Connector, & AC Power Cord Guide

Crossover and straight-through cables are used in order to connect switch ports or interfaces to network devices. Consult this table in order to see when to use each of these cable types.

Crossover cable or straight through between multiple hubs/switches

The two types of devices use opposite transmit/receive pinout configurations and a straight-through cable is used to connect them. But when connecting the same interface type

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Ubiquiti Aggregation switch connecting to the network

You are correct in your thinking here. The UDM will need to be connected via port 11, the bottom most SFP+ port, as the top is configured by default to be WAN2. I would recommend using a direct attach

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Link Aggregation, LAG, LACP and MLAG in 2026: Design, Best

This guide explains how they work, static vs LACP, load balancing, server NIC bonding, STP interaction, and design best practices for campus and data center.

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