

# Technical Requirements for Aggregation Switches



## Overview

Aggregated stacking bandwidth should be minimum 40 Gbps Full Duplex. Port mirroring must be available. The switch shall have hardware based forwarding for IPv4 & IPv6. An aggregation switch is a network device that consolidates traffic from multiple access switches, wireless access points, or other edge devices and forwards it to core switches or routers. By bundling multiple network connections into a single high-bandwidth link, aggregation switches help. Business IP traffic is expected to reach 13.1 exabytes per month in 2016. Networks must be capable of scaling well beyond the needs of today to deal with the traffic of tomorrow while at the same time providing investment protection. The Cisco® Catalyst® 6880-X Series Switch (Figure 1) is an IEEE 802.3ad link aggregation enables you to group Ethernet interfaces to form a single link layer interface, also known as a link aggregation group (LAG) or bundle. It is essential for larger networks requiring efficient data flow.

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This model allows the aggregation switches to easily accommodate thousands of devices passing through this layer while simplifying the design, maintenance, and operations. The following figure ...



"Explore Ascentoptics" expert guide on switch aggregation! Define, classify, and compare with our technical insights. Dive in now!"



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You can configure LAGs to connect a QFX Series product or an EX4600 switch to other switches, like aggregation switches, servers, or routers. This example describes how to configure LAGs to connect ...



Data sheet for Cisco Catalyst 6880-X Series Extensible Fixed ...



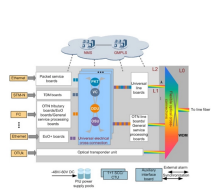
In Chapter 4, we described several types of data center networking equipment including virtual switches, top of rack switches, end of row switches, fabric extenders, aggregation switches, and core switches, ...



Aggregation switches set up stacks to implement device-level backup and increase the interface density and forwarding bandwidth. A standalone AC is deployed in off-path mode. It centrally manages APs ...



Data sheet for Cisco Catalyst 6880-X Series Extensible Fixed Aggregation Switch.



What are the hardware requirements for an aggregate switch? Hardware requirements include a powerful processor, ample memory, high-speed backplane, and sufficient port density.



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



OEM account managers shall furnish certificates that the products offered by the partner are in line with our technical requirements of this bid document and product offered is not discontinued (End-of-Sale) ...

## Contact Us

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