

Huawei 48-port switch in aggregation layer



Overview

CloudEngine S6750-H series 10GE switches are Huawei's next-generation enterprise-class switches designed for core and aggregation layers, with 48 × 10GE downlink optical ports and 8 × 100GE uplink optical ports. They feature high performance, high reliability, cloud management . A Huawei 48-port switch is a fixed-configuration Ethernet switching platform offering exactly 48 physical RJ45 or SFP-based interfaces—designed primarily for wired endpoint connectivity in structured cabling environments. It features 48 x 10/100/1000BASE-T ports for high-speed data transfer and 4 x SFP+ uplink ports for high-bandwidth connectivity. The switch may be PoE+ capable. With up to 48 10 GE downlinks and 40/100 GE uplinks, the S6730-H series supports bandwidth-hungry access and spine layers—perfect for Wi-Fi 6 APs, 4K/8K video, and virtualization workloads. Based on Huawei's VRP OS, the series delivers OSPF, BGP, RIPng, IS-IS, VRRP, and ECMP.



Article Content

Aggregation Switch: Increasing the Priority of Special Traffic

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 network

Example for Configuring 802.1X Authentication (CLI)

Networking Requirements The AC is connected to the aggregation switch in off-path mode at Layer 2. SwitchB functions as a DHCP server to assign IP addresses to APs and STAs. APs can properly go

Huawei 48-Port Switch Guide: How to Choose the Right One

A practical, no-fluff guide to selecting a Huawei 48-port switch—covering real-world use cases, key specs to compare, cost trade-offs, and what actually matters for SMBs and campus

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 are responsible for routing and forwarding of user services.

CloudEngine S6750-H Series 10GE Switches

CloudEngine S6750-H series 10GE switches are Huawei's next-generation enterprise-class switches designed for core and aggregation layers, with 48 × 10GE downlink optical ports and 8 × 100GE

CloudEngine S5732-H Series Switches | Huawei

CloudEngine S5732-H Series Multi-GE Switches Next generation CloudEngine S5732-H Series Multi-GE Switches offers either 24 or 48 downlink ports — up to

CloudEngine S5736-S Series Switches

CloudEngine S5336-S series switches can be deployed at the aggregation layer of a campus network to build a high-performance, multi-service, and highly reliable enterprise network.

Network Switches | Huawei Enterprise

Huawei Ethernet Switches Turbocharge your enterprise network with high-performance, high-availability for resilient services and simplified management.

CloudEngine S5736-S Series Switches | Huawei

CloudEngine S5736-S series switches are all-optical switches that feature 48 downlink optical ports and four uplink 10 GE ports. Learn more.

Huawei CloudEngine S5755-S Series Twins Switches Datasheet

Introduction Huawei CloudEngine S5755-S-HT series twins switches are next-generation, high-reliability switching platforms. The series delivers system-level reliability through an innovative architecture

Huawei S6730-H48X6C Switch 48x10GE SFP+ 6x40GE

Huawei S6730-H48X6C CloudEngine switch with 48x10GE SFP+ and 6x40GE QSFP+ uplinks for high-density aggregation and campus core. Inquire price now.

What Is Switch Virtualization Technology and What Are Stacking and

What Is Switch Virtualization Technology and What Are Stacking and M-LAG, What Are Their Differences This document describes the concepts of stacking and Multichassis Link Aggregation

Core Switch Price Guide: 2026 Benchmarks & Cost Drivers

Learn how AI demand, component shortages, and modular 400G/800G adoption are driving core switch prices up—plus current B2B wholesale benchmarks from \$600–\$6,000 and subscription pricing

Compatibility between Dell PowerConnect 6224 and Cisco ...

As Michael Waranowicz or networkc279465 suggested, you could establish Layer-2 links between the stack and the new switch. I suggest to create a Link Aggregation (Cisco: EtherChannel, Dell: Port

HPE Aruba Networking CX switches

HPE Aruba Networking CX 6300 Switch Series Layer 3 stackable access and aggregation switches with Multi-Gigabit Ethernet, High Power PoE, and up to

S5735-S48T4X Overview and Enterprise Role

The S5735-S48T4X is a high-performance enterprise Ethernet switch designed for modern campus networks, data access layers, and aggregation scenarios. As part of the Huawei S5735 series, this

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Huawei S5732 Switch: High-Performance Aggregation

This video walk-through guides you through step-by-step CLI configuration of Huawei campus switches—perfect for network engineers

Huawei S220-48T4X (98012377),48 port gigabit switch with 4 x SFP

The Huawei S220-48T4X is a layer 3 access switch designed for efficient network access and aggregation, especially for growing businesses. It features 48 x 10/100/1000BASE-T ports for

CloudEngine S6750-H Series 25GE Switches

CloudEngine S6750-H series 25GE switches are Huawei's next-generation enterprise-class core and aggregation switches that offer 48 x 25GE optical

Best 10Gb Switch for SMB in 2025: Unlock Next-Gen Network

It is often preferred in data centers or scenarios demanding longer reach and ultra-low latency. Many modern switches provide combo ports supporting both types to maximize flexibility.

Huawei S6730 Switch – 10GE Aggregation & Core

Positioned perfectly as an Aggregation Switch or Core Switch, the S6730-H delivers scalability, security, and cost-effectiveness for modern digital infrastructures.

48-Port 25G Layer 3 Core Switch SONiC Ready Marvell Falcon

48-port Layer 3 Core switch, 48x 25G multi-gigabit ports with 6 x 100Gb QSFP28/40Gb QSFP+ ports, enterprise SONiC distribution preloaded.

Huawei S6700 Series Switches Product Brochure

The S6700 has industry-leading performance and provides up to 24 or 48 line-speed 10GE ports. It can be used in a data center to provide 10 Gbit/s access to servers or function as a core switch on a

Huawei OLT | WDM | Switch | Router, Global Premium Provider

In the era of bandwidth-hungry IoT ecosystems and multi-gigabit Wi-Fi 7 deployments, choosing the right UniFi switch has evolved from a simple port-count exercise to a strategic architectural decision.

Link Aggregation Configuration

Example for Configuring Link Aggregation in Manual Mode When Switches Are Directly Connected Overview Ethernet link aggregation increases link bandwidth by bundling multiple physical links to

Huawei S310-48P4S (98012384),48 port gigabit PoE

The Huawei S310-48P4S is a Gigabit Ethernet switch designed for campus networks, specifically for access and aggregation purposes. It features 48 x

Contact Us

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