

Huawei S5731 as a core switch



Article Overview

The Huawei S5731 is primarily an access or aggregation switch, not a core switch, though it can serve as a light core in small branch networks.

Deployment Role

The Huawei CloudEngine S5731-H series is designed mainly for gigabit access and light aggregation in large and midsize campus networks. It provides all-GE downlink ports, fixed 10GE uplinks, and one extended slot, making it suitable for connecting end-user devices, IP phones, and access points . While it can function at the core layer in small campuses or branch offices, it is not optimized for high-throughput core deployments in large enterprise networks .

Comparison with Core Switches

Compared to Huawei's S6730-H, which is designed for compact core or high-density aggregation layers with large MAC/FIB tables and high-speed uplinks, the S5731-H has smaller per-port buffers and is optimized for 1G client access with 10G uplinks . This makes the S5731-H less suitable for handling the heavy traffic and complex routing typically required at the core layer in large networks.

Layer 3 and Advanced Features

Despite being an access-focused switch, the S5731 supports advanced Layer 3 features, VXLAN-based virtualization, and native WLAN AC capabilities, allowing it to integrate into modern campus networks and support mobility and security features . These features enable it to perform some aggregation and light core functions in smaller deployments, but it is not a full-fledged core switch for high-density enterprise backbones.

Article Content

CloudEngine S5731-S Series Switches

Virtualize the core/aggregation switch + access switch + Access Point (AP) into a single logical device with

Huawei S6730-H vs S5731-H: Enterprise Core Switch Comparison

Compare Huawei S6730-H vs S5731-H. Discover ASIC architecture, performance sizing, VRP configuration, and optimize your Asian

Huawei S5731-S48P4X 48x GE PoE+ 4x 10G SFP+ Switch Datasheet

Huawei S5731-S48P4X CloudEngine switch with 48x GE PoE+ and 4x 10G SFP+ uplinks for campus and enterprise access. View

S5731-S24T4X (98011851/02353AHU/-001) Datasheet

The Huawei CloudEngine S5731-S series switches were developed based on next-generation high-performing hardware and the

(Video) CloudEngine S5731-H Series Hybrid Optical-Electrical Switches ...

CloudEngine S5731-H builds on Huawei's unified Versatile Routing Platform (VRP) and boasts various Intent-Driven Network (IDN)

CloudEngine S5731-H Series Switches | Huawei Enterprise

CloudEngine S5731-H series hybrid optical-electrical switches provide GE/10 GE electrical downlink ports and four 10 GE uplink

CloudEngine S5731-S Series Switches

Huawei CloudEngine S5731-S series standard gigabit access switches provide full-gigabit electrical ports and fixed 10 GE uplink

CloudEngine S5731-S Series Switches-R21C01

With powerful aggregation and routing capabilities of CloudEngine S5731-S series switches make them suitable for use as core

CloudEngine S5731-H Series Switches

Introduction The CloudEngine S5731-H series switches are the next-generation gigabit fixed switches developed by Huawei. The

S5731-S24T4X Datasheet Overview

Product Details The Huawei S5731-S series switches provides these features and highlights:

CloudEngine S5731-S Series Switches

Other than that, the CloudEngine S5731-S switches can be used as the core switches of a small-sized enterprise campus network,

CloudEngine S5731-H Series Switches Datasheet

CloudEngine S5731-H can function as core switches for small-sized campus networks and branches of medium- and large- sized

CloudEngine S5731-H Series Switches

Huawei CloudEngine S5731-H series enhanced gigabit switches provide all-GE access, fixed 10 GE uplinks, and one extended slot.

CloudEngine S5731-S Switches Overview | PDF | Network Switch | IPv6

Huawei s5731 s Datasheet - Free download as PDF File (.pdf), Text File (.txt) or read online for free. The document provides details

Huawei S5731 Series: VXLAN Campus & PoE Gigabit Switches

Discover Huawei's S5731 family: L, S, and H variants for remote access, campus aggregation, and VXLAN cores.

Huawei S5731 Series Ethernet Switches Datasheet & Price

The Huawei S5731 series offers high-performance, reliable, and easy-to-manage Ethernet switches for campus networks. With

Huawei S5731-S Series Switches Datasheet

The CloudEngine S5731-S series switches are advanced gigabit switches featuring GE electrical/optical downlink ports and 10GE

CloudEngine S5731-L Series Switches | Huawei Enterprise

CloudEngine S5731-L Series Remote Unit Switches Huawei CloudEngine S5731-L is a series of Gigabit Ethernet (GE) remote unit

CloudEngine S5731-S Series Switches Datasheet

CloudEngine S5731 -S series switches are next -generation standard gigabit switches that provide GE electrical/optical downlink

CloudEngine S5731-S Series Switches Datasheet

With powerful aggregation and routing capabilities of CloudEngine S5731-S series switches make them suitable for use as core

Huawei S3700, S5700 and S6700 Switches Support Guide, Manuals

S3700& S5700& S6700 Series CloudEngine S5731-S24P4X: Access product manuals, HedEx documents, product images and visio

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