

Huawei switches with optical and electrical ports



Article Overview

Huawei hybrid switches feature both electrical (copper) and optical (fiber) ports, supporting flexible deployment with PoE and high-speed uplinks.

Downlink Ports

Huawei CloudEngine S5732-H series switches provide 24 electrical (RJ45) ports and 24 optical (SFP/SFP+) ports for downlink connections, allowing simultaneous support for copper and fiber devices . These ports operate at 10 Gbit/s, suitable for high-speed access to Wi-Fi 6 APs or servers. The S5731-H series offers similar hybrid downlink configurations with GE/10GE optical-electrical ports, supporting PoE++ for powering remote devices up to 300 meters . Electrical ports are typically used for short-distance connections, while optical ports enable long-distance connectivity.

Uplink Ports

For uplinks, the S5732-H series includes four 25 GE ports and either two 40 GE or two 100 GE ports, plus one extended slot for additional modules . These uplinks provide high-capacity aggregation to core switches or data center networks. The S5731-H series provides four 10 GE uplink ports with an extended slot for expansion . Uplink ports can be configured in optical or electrical modes depending on network design.

Optical-Electrical Synergy...

Article Content

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The CloudEngine S5731-S series multi-GE switches are next-generation gigabit access switches that offer multi-GE

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CloudEngine S5732-H Series Hybrid Optical-Electrical Switches

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Huawei S1700 series enterprise switches provide energy-saving Fast Ethernet access for small businesses

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How To Switch Optical/Electrical Mode On Huawei Router Combo Ports ...

This article takes the Huawei AR5710S-S8T2X router as an example to explain how to switch the optical and

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The CloudEngine S5732-H Series Hybrid Optical-Electrical Switch is a new generation of 10 GE access switch, featuring 24 optical

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CloudEngine S5755-H Series High-Quality Multi-GE

CloudEngine S5755-H series high-quality multi-rate switches are Huawei's next-generation high-end

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CloudEngine S5736-S Series Switches | Huawei Enterprise

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

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Huawei CloudEngine S5732-H Series Hybrid Optical-Electrical

Huawei CloudEngine S5732-H Series Hybrid Optical-Electrical Switches Datasheet
CloudEngine S5732-H series hybrid optical

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

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Huawei CloudEngine S5735-S-V2 series hybrid optical-electrical switches are standard gigabit Ethernet switches that provide all GE

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Huawei CloudEngine S5735-S-V2 series all-optical switches are standard gigabit Ethernet switches that provide all GE downlink

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Huawei Hybrid Cable Terminal Boxes Quick Start Guide

Connect the hybrid cable pigtail to the hybrid optical-electrical port on S5731-H and S5731S-H hybrid optical-electrical switches.

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Huawei CloudEngine S5535-S-V2 Series Hybrid Optical-Electrical Switches Brochure
Huawei CloudEngine S5535-S-V2 series

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What Is an All-Optical Ethernet Switch?

All-optical Ethernet switches are a type of switch that provides optical uplink and downlink ports, making them an ideal

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Huawei Ethernet Switches Turbocharge your enterprise network with high-performance, high-availability for

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Smart network switch

Based on the next-generation high-performance hardware and Huawei's Versatile Routing Platform (VRP),

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CloudEngine S5731-H Series Switches | Huawei Enterprise

The series also supports innovative optical-electrical synergy technologies and integrates optical ports and electrical ports, with the

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Huawei CloudEngine S5732-H-V2 Series All-Optical Switches Datasheet

CloudEngine S5732-H-V2 series switches are next-generation enhanced all-optical GE/10GE hybrid switches that provide 28-port

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Campus Switches | Huawei Enterprise

Huawei campus switches offer high-performance, secure, and reliable switching for enterprises, governments, finance and

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Optisch-elektrischer Hybrid-Switch

Huawei CloudEngine S5732-H Series Hybrid Optical-Electrical Switch offer 2.4 Tbit/s switching capacity and long distance access for

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Optical Fiber

AOC An active optical cable (AOC) is a fixed-length optical fiber with optical modules at both ends. It can be directly connected to an

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CloudEngine S5736-S Series Switches | Huawei Enterprise

CloudEngine S5736-S Series are switches designed for the Wi-Fi 6 era, featuring 24 downlink ports, four 10 GE uplink ports and one

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CloudEngine S5735-S-V2 Series Hybrid Optical-Electrical Switches-Huawei ...

Based on the next-generation high-performance hardware and Huawei's Versatile Routing Platform (VRP), the CloudEngine S5735

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Huawei CloudEngine S5735-S-V2 Series Hybrid Optical-Electrical

The Huawei CloudEngine S5735-S-V2 series consists of hybrid optical-electrical switches designed for high performance in various

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How To Switch Optical/Electrical Mode On Huawei Router Combo

A Combo port, also known as an optical-electrical multiplexing port, consists of one optical port and one electrical port

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