

H3C Optical-to-Electronic Switch



Overview

H3C FS5500V2-EI series switches are a new generation of high-performance, high-port density, high-security Layer 3 Ethernet switches developed by H3C Technology Co. (hereinafter referred to as H3C) using industry-leading ASIC technology, supporting IPv4/IPV6 Dual-stack. In the new generation of cloud data center and smart campus scenarios, a new generation of intelligent, ultra-wideband, simple, and integrated network is created for users, which is applicable to various scenarios and network sizes. As a next-gen campus Active Optical Cables (AOC) work by utilizing external energy during communication, converting electrical signals into optical signals, or vice versa. The. Build high-performance fabrics with a powerful, ultra-dense 64-port 1U switch with double-density optical transceivers. Accelerate critical workloads with 64G links. Enable pay-as-you-grow scalability from 24 to. If you're planning a 2026 refresh for a small business, branch, retail chain, school floor, or surveillance-heavy site, the H3C S1850V2 family is a practical "do-it-right-without-overbuilding" access-layer choice. You get full Gigabit edge connectivity, modern security and operations features (Web. H3C completed a massive test of its co-packaged optics (CPO) enabled Ethernet switch (H3C S9827) driving traffic across 64 800G ports. The companies said the test results demonstrate that H3C's 800G CPO silicon photonic switch series has "excellent reliability and stability in key performance.



Article Content

Products & Technology

Switches After over 20 years of networking innovation, research and development, H3C has accumulated significant industry-leading Ethernet-related intellectual

Fiber-optic Switches

Fiber-optic switches generally allow for rerouting optical signals in fibers, mainly in optical fiber communications.

How To View Optical Transceiver Information On H3C Switches

We connect Moduletek QSFP-40G-LR4 transceiver to H3C S6820 switch, and demonstrate how to view port status and transceiver details on H3C devices.

H3C Converged All-Optical Network White Paper

H3C FS5500V2-EI Series Converged Optical Electrical Switches-H3C H3C Hybrid Copper-fiber Cable-H3C H3C ES4200 Gigabit Switch Series

H3C S9800 DataCenter Switches

H3C S9800 DataCenter Switches The H3C S9800 DataCenter Cloud High Density Switch Series is designed for cloud services data centers. It deploys industry leading CLOS architecture, providing

Optical Transceivers Manufacturer | Can Original

So, today we will focus on whether the original HUAWEI optical module be used on H3C switch. First, let's talk about the compatibility of optical modules.

Optical Switches and their significance in High-speed, Large-Capacity ...

What are Optical Switches? Optical communications use light to achieve high-speed, large-volume communications. This type of communication also requires high speed when switching

How To View Optical Transceiver Information On H3C Switches

Optical transceivers are widely applied in switches, routers, network cards and other communication equipment. Querying transceiver parameters helps monitor real-time operation and

H3c s5024pv5-ei/pv3-ei switch, 24 electrical + 4 optical ...

This article provides a detailed introduction to the h3c s5024pv5-ei/pv3-ei switch, covering brand background, appearance design, core parameters, and usage experience to help you

H3C switch optical-to-electrical converter

Learn how OLT works in GPON and FTTH networks. Covers OLT architecture, upstream/downstream process, wavelengths, and 2025 technology.

New H3C S10500 Series Ethernet Core Switch Optical Transmission ...

H3C S10500 series switch products are core switching products specially designed and developed by H3C for cloud computing data center core, next-generation campus network core and

H3C's Core Liquid Cooling Breakthrough: Redefining

Building on its S9827 series 800G switch platform, which already incorporates liquid cooling design and has been validated through large-scale

H3C Converged All-Optical Network White Paper

H3C Hybrid Copper-fiber Cable-H3C H3C ES4200 Gigabit Switch Series-H3C Campus network demands and challenges rising in the cloud and AI

H3C SMB-MS4024P-PWR Switch

H3C SMB-MS4024P-PWR switch offers 24 Gigabit ports with Power over Ethernet (POE), ideal for security monitoring. Enjoy SNMP, VLAN, LACP, and QoS features. | Alibaba

H3C S6530X-24Y8C Network Switch 24 Gigabit Optical + 8 10 Gigabit ...

H3C S6530X-24Y8C Network Switch offers 24 Gigabit and 8 10 Gigabit ports, with 2.56Tbps switching capacity and 720Mpps forwarding performance. Ideal for core networks. | Alibaba

H3C Products Catalogue

H3C FS5500V2-EI series switches support a new generation of optical and electrical combined interfaces and provide 300m PoE++ and 1000m PoE+ through hybrid copper-fiber cables, meeting

H3C FS5500V2-EI Series Converged Optical Electrical Switches

H3C FS5500V2-EI series switches implement a hardware-based IPv4/IPv6 dual-stack platform, support multiple tunnel technologies, rich IPv4 and IPv6 Layer 3 routing protocols, multicast technologies and

H3C CN6670B Switch Product Brief

With Gen 7 technology, the H3C CN6670B delivers far more than just speed and latency improvements. It can eliminate the pain of managing your data center, with autonomous SAN technology to deliver a

H3C S1200 Unmanaged Gigabit Ethernet Switch Series

H3C S1200 is self-developed unmanaged Gigabit switch series by H3C, which delivers wire-speed Gigabit Ethernet connectivity, in desktop and rack-mount models, for small business and others

H3C Gigabit single-mode optical module SFP-GE-LX-SM1310-A switch

Engineered for high-performance networking, the H3C SFP-GE-LX-SM1310-A is a Gigabit single-mode optical module delivering reliable 1.25Gbps data transmission over long distances. Built with

H3C S1850V2 Switches: 2026 Guide to Access, PoE+,

See switching/forwarding capacity, PoE budgets, uplink options (1G vs 10G SFP+), and practical deployment + security guidance with a deep

H3C S9827-64EO

This product is the first 51.2 T 800G CPO Silicon Optical Switch in the industry released by H3C. It adopts the latest 51.2 t ultra-high switching capacity chip and

Switches-H3C

Based on the industry-leading 400 G platform, H3C S12500R supports a maximum 48-port 400 G forwarding performance in a single slot. H3C campus switches integrate the multi-ability of AC, SDN,

H3C confirms performance of its new 800G CPO Ethernet switch

The H3C S9827 series is an 800G data center switch based on CPO silicon photonics technology. It has a total switching capacity of up to 51.2T, and all 64 ports achieve 100%-line speed

H3C S9827 Series Data Center Switches

H3C S9827 high-density intelligent series switches is developed for data centers and cloud computing networks. It provides powerful hardware forwarding capacity and abundant data center features.

How To Turn Off Alarms For Third-Party Modules On H3C Switches

By default, a large number of alarm messages will be generated if the module is verified as non-H3C original. H3C provides CLI commands to suppress these optical module alarm

Contact Us

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