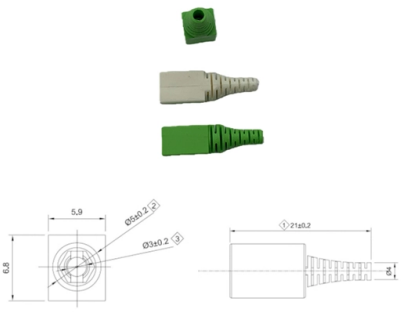
H3C Access Optical Switch



Overview

H3C industrial switches can operate in -40°C - 75°C environments for a long time, and use industrial components to reach IP40 rating.

Key Takeaways

H3C Access Optical Switches are high-performance Layer 2/Layer 3 switches designed for Gigabit and 10G optical connectivity, offering advanced management, security, and scalability features. OverviewH3C access optical switches, such as the S1850V2-X, S5120V2-LI, and S5130S-EI series, are designed to provide high-speed network access with optical uplinks for enterprise, SMB, and educational environments. These switches combine Gigabit copper ports with SFP/SFP+ optical ports, supporting 1G and 10G uplinks, making them suitable for complex network topologies and expansion scenarios.

Key Features

High Performance and Scalability: Supports IRF2 stacking for device aggregation, enabling multiple switches to be managed under a single IP and providing redundancy and load balancing. Advanced Security: Includes 802. 1X authentication, MAC authentication, port security, ARP and TCP attack defense, and DoS attack detection.

© 2026 KENHARDT OPTICAL NETWORKS - All rights reserved

Network Management: Offers intelligent Web management, visual port configuration, and integration with H3C iMC (Intelligent Management Center) for centralized monitoring and control. Reliability and Redundancy: IRF2 stacking ensures uninterrupted layer-3 forwarding, and patented 1: N backup technology allows slave devices to serve as backups for the master switch. Energy Efficiency: Built-in intelligent port speed limits, energy-saving hibernation, and green design reduce power consumption.

Optical Module SupportH3C switches perform authentication on inserted optical modules. Non-H3C certified modules can link up normally, but may generate alarm messages in the logs. These alarms can be suppressed using CLI commands without affecting the module's operation, though DDM/DOM data may remain unavailable for unsupported third-party modules.

Use Cases

Enterprise Networks: High-density Gigabit access with 10G uplinks for servers and aggregation switches.

SM

Bs and Educational Institutions: Cost-effective, scalable solutions with simplified management and security features. Security and Monitoring: Supports VLAN segmentation, IGMP snooping, and loopback detection for robust network monitoring. SummaryH3C access optical switches provide a flexible, secure, and high-performance solution for modern network deployments.

They are ideal for environments requiring optical uplinks, advanced security, and centralized management, while supporting scalability through IRF2 stacking and energy-efficient operation. Proper configuration ensures compatibility with both H3C and third-party optical modules, making them versatile for diverse network infrastructures.

Article Content

Switches-H3C

H3C industrial switches can operate in -40°C - 75°C environments for a long time, and use industrial components to reach IP40 rating. At the same time, with shockproof, anti-electromagnetic

H3C S1600V2 Gigabit Access Web Managed Switch

It is a web managed switch designed for network environments. It is easy to install, provides a rich set of features, and is widely used in small and medium-sized

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

© 2026 KENHARDT OPTICAL NETWORKS - All rights reserved

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

H3C S5560X Multi-Gigabit Switches | Enterprise

By 2026, enterprise and campus access networks must support multi-gigabit wireless backhaul, high-density endpoints, and PoE-powered

H3C S5136S Series Switches | Gigabit Access with 10G

Discover H3C S5136S series access switches offering Gigabit Ethernet, PoE options, and flexible 10G uplinks. Ideal for enterprise and campus

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 S5500S Series Switches: Scalable Access and Aggregation for

These trends require access switches that offer flexible port types, scalable capacity, and long-term operational stability. The H3C S5500S series is engineered precisely ...

H3C S5048PV5-EI-PWR 48x GE PoE Switch, 4x SFP,

The H3C S5048PV5-EI-PWR is a high-performance, enterprise-level network switch designed to meet the needs of modern businesses. Featuring 48 Gigabit power

H3C S5170 Series Switches: Dependable Fiber Access

This Enterprise Intelligent (EI) access switching family focuses on robust fiber connectivity and offers optional PoE. It delivers a reliable, manageable access

LC Fiber Optics: Guide to LC Connectors, ULL Cables,

A guide to LC fiber optics. Learn LC connector geometry, UPC/APC polish types, ULL patch cords, MPO–LC transitions, high-density cassettesa,

Efficient connection artifact! apesd mpo fiber patch cord ...

Have you ever experienced data transmission delays due to fiber optic patch cord issues? apesd mpo fiber optic patch cords, compatible with h3c and huawei switches, deliver efficient

H3C''s Core Liquid Cooling Breakthrough: Redefining 800G Switch ...

© 2026 KENHARDT OPTICAL NETWORKS - All rights reserved

Fig. 1: H3C S9827 Series Data Center Switch Adaptive Contact Technology: Tackling the Temperature Uniformity Challenge of High-Power Optical Modules For operations engineers, the

h3c sfp optical module with warranty online manufacture

Good quality h3c sfp optical module with warranty from h3c sfp optical module with warranty manufacturer, Buy h3c sfp optical module with warranty online from China.

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.

H3CSFP-XG-LX-SM1310-S 10G SFP+ Multi-mode Optical Module

High quality H3CSFP-XG-LX-SM1310-S 10G SFP+ Multi-mode Optical Module from China, China''s leading product market Fibre Channel Switch product market, With strict quality control Fibre

H3C S7500X-G Series High-End Multiservice Routing Switch

H3C S7500X-G is a high-end multiservice routing switch series designed to deliver exceptional service convergence experience. It supports a wide range of integrated capabilities, including the integration

H3C S5800-32C/56C 48 Gigabit Ethernet Ports + 4 10 Gigabit Optical ...

welcome to taobao buy h3c s5800-32c/56c 48 gigabit opthernet ports 4 10 gigabit optical ports switch, taobao taobao taobao/tmall number billion hot selling goods, official logistics can send to the world,

H3C Products Calalogue (H3C Server, Switch) | PDF

The document is a 2023 product catalogue for H3C products. It provides an overview of H3C''s digital solutions including smart connectivity, cloud computing, intelligent computing, intelligent terminals,

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

© 2026 KENHARDT OPTICAL NETWORKS - All rights reserved

Contact Us

Continue your research online:

Website: https://kenhardtprimary.co.za
Technical inquiry: https://kenhardtprimary.co.za/project-desk.html
African project coordination: Century City, Cape Town, Western Cape, South Africa

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 KENHARDT OPTICAL NETWORKS - All rights reserved