H3C Fiber Optic Switch Usage



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 fiber optic switches provide high-performance, scalable, and flexible solutions for SAN and enterprise fiber networks, supporting speeds up to 64Gb/s and advanced management features. Key Models and FeaturesH3C CN Series (CN3360B, CN6660B, CN6675B, CN3370B)CN3360B: Compact 1U form factor, 8–24 ports, supporting 4, 8, 16, or 32Gbps speeds. Offers simplified deployment and a user-friendly click-based interface, with "pay-as-you-grow" scalability for evolving storage environments.

CN6660B: 32Gb 48-port switch with high I/O performance, low latency, and support for highly virtualized environments. Scalable from 48 to 64 ports, it provides ISL compression and granular visibility into NVMe storage fabrics. CN6675B: Gen 7 Fibre Channel switch with autonomous SAN capabilities, integrated security, and advanced automation.

Supports 48–128 ports in a 2U form factor, configurable port speeds (8G–64G), and flexible SFP-DD or SFP+ transceivers for dense, high-performance connectivity. CN3370B: Designed for small and medium-sized enterprises, offering up to 64Gb/s bandwidth, low latency, automated configuration, and scalable port expansion. Optimized for cost-effective and efficient SAN deployment.

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C S5170 Series

Enterprise Intelligent (EI) access switches focused on fiber connectivity, with optional PoE. Available in 28-port and 54-port fiber models, these switches provide reliable, manageable access-layer networking for campuses, enterprises, and branch offices. They emphasize stability, predictability, and ease of operation while supporting long-term deployment.

Performance and ScalabilityH3C fiber optic switches are designed to handle high-density, high-bandwidth environments. They support: High port density: Up to 128 ports in a single switch (CN6675B)Flexible speeds: 8G, 16G, 32G, and 64G depending on model and transceiver typeScalable architecture: "Pay-as-you-grow" and Ports on Demand (PoD) allow incremental expansion without replacing hardwareLow latency and high throughput: Optimized for SAN and virtualized storage environmentsManagement and SecurityUser-friendly interfaces: Click-based or automated configuration tools simplify deployment and monitoringIntegrated security: Gen 7 switches validate hardware/software integrity, harden Fabric OS, and protect against malware and hijacking attacksAutonomous SAN capabilities: Self-learning, self-optimizing, and self-healing features reduce manual management and improve uptimeApplicationsH3C fiber optic switches are suitable for: Data centers: High-performance SANs, NVMe storage fabrics, and virtualized environmentsSmall and medium-sized enterprises: Cost-effective, scalable SAN solutions with simplified managementCampus and enterprise networks: Fiber-first access-layer deployment with optional PoE for downstream devices H3C fiber optic switches combine high performance, flexible scalability, and advanced management to meet the needs of modern storage and enterprise networks, ensuring reliable, secure, and efficient data connectivity across diverse deployment scenarios.

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 CN Series Fibre Channel Switches

The H3C CN3360B switch is designed for enhanced flexibility and better investment protection, featuring a compact 1U form factor that can scale from 8 to 24 ports,

H3C CN6675B Switch Product Brief

The H3C CN6675B Switch delivers industry-leading port density with 128 Fibre Channel ports in a 2U form factor. Organizations can both increase scalability and optimize space utilization.

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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 S5170 Switches | Fiber Access Solutions for Enterprise & Campus

As an Enterprise Intelligent (EI) access switching family focused on fiber connectivity and optional PoE, the S5170 series delivers reliable, manageable access-layer networking for

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 Fixed-Port Campus Switches Troubleshooting Guide

Measures you have taken, such as reconfiguration, cable swapping, and reboot. Output from the commands executed during the troubleshooting process. To ensure safety, wear an ESD wrist strap

H3C Fiber Switch Unleashed: Can Your Network Survive the

H3C Fiber Switches leverage multi-mode and, crucially, single-mode optics to deliver blistering speeds – think 10G, 25G, 40G, 100G, and ready headroom for 400G – over distances ...

H3C S5170 Series Switches: Dependable Fiber Access for Modern ...

With models offering 28 or 54 fiber ports—available in standard, PoE, and high-power PoE variants—the S5170 series establishes a balanced, future-ready base for networks designed ...

H3C FS5500V2-EI Series Converged Optical Electrical Switches

In the campus network, H3C FS5500V2-EI series switches can be used as aggregation layer equipment, or as the core of small and medium-sized enterprises; downward can provide high-density GE

Storage Area Network

Storage Area Network The H3C Fibre Channel Switch series provides powerful and reliable FC and multi-protocol switching, harnessing the full performance of flash and NVMe storage systems.

H3C CN3360B Switch Product Brief

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The H3C CN3360B with Gen 6 Fibre Channel technology is an affordable storage switch, delivering simplified operations, flash-ready performance, and always-on reliability to grow with the demands of

H3C ES4200 Gigabit Switch Series

H3C ES4200 Gigabit Switch Series Multi-type port access Ethernet fiber port and copper port capability offers customers flexibility. Offers 4-port PoE, 8-port non-PoE and PoE, 16-port non-PoE and PoE

H3C S1600V2 Switch Series Web Configuration Guide

Navigation pane—Provides the Web menu for device functions in a tree structure. You can easily select function menus in the navigation pane. The content pane displays the selection result. You can click

Products & Technology

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

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 S5830 Switch Series Configuration Examples

Users must pass 802.1X authentication to access the Internet. They use the H3C iNode client to initiate 802.1X authentication. Switch A uses a RADIUS server (Switch B) to perform

H3C Devices CLI Reference

As shown in Figure 1, use a DB9-to-RJ45 console cable to connect the PC to the device. Then, right-click Computer, and select Properties > Device Manager > Ports to identify communications ports

Related Video Reference

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

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

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