H3C Switches with Fiber Optic Ports

Overview

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.

Key Takeaways

H3C switches support a variety of fiber optic ports, including SFP, SFP+, QSFP, and Q-Flex, with speeds ranging from 1G to 32G, designed for enterprise, campus, and data center networks. Fiber Port Types and SpeedsH3C switches offer multiple fiber optic port options depending on the series and model: SFP/SFP+ ports: Common on access and distribution switches like the S5170 series, supporting 1G and 10G fiber connections for enterprise and campus networks. QSFP/Q-Flex ports: Found on high-density SAN switches such as the CN6665B, supporting 32G Fibre Channel speeds.

Q-

Flex ports can operate as a single QSFP connection or fan out into four SFP+ connections, providing flexible inter-switch or device connectivity.

C

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N series ports: The CN3360B switch supports 4, 8, 16, or 32Gbps Fibre Channel speeds, with 8 to 24 ports per switch, offering scalable SAN connectivity. Management and MonitoringH3C switches provide commands to monitor and manage fiber optic ports effectively: Use show interface to check the status of a specific optical module, including link state, module type, and statistics.show interface brief lists all interfaces and their operational status, helping identify active fiber connections and troubleshoot link issues. Advanced switches like the CN6665B include Fabric Vision technology for monitoring NVMe workloads, IO Insight, and VM Insight, providing detailed visibility into port performance and network health.

Deployment Considerations

Port density: High-density switches like the CN6665B offer up to 128 Fibre Channel ports in a 2U form factor, ideal for data centers requiring scalable SAN infrastructure.

Po

E support: Access switches like the S5170 series may include optional PoE or high-power PoE on fiber ports to power downstream devices while maintaining fiber connectivity. Flexibility: Ports on Demand (PoD) allow adding or mixing Q-Flex ports as needed, enabling incremental expansion without replacing the switch. SummaryH3C fiber optic ports are designed for flexible, high-performance connectivity across enterprise, campus, and SAN environments.

They support a wide range of speeds and port types, provide robust monitoring and management tools, and allow scalable deployment to meet evolving network demands. Proper selection of port type and monitoring commands ensures optimal performance and reliability in fiber-based networks.

Article Content

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.

H3C CN6665B Switch Product Brief

Built to support maximum flexibility and dense Fibre Channel fabrics, the H3C CN6665B Switch offers cost-effective pay-as-you-grow scalability, expanding from 48 to 128 ports with Ports on Demand (PoD).

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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 S5170 Series Switches: Dependable Fiber Access

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

H3C Device Optical Copper Multiplexing Port Configuration Guide ...

In H3C network devices, a combo port (optical-copper multiplexing port) is a multifunctional interface that integrates two physical media: optical fiber and copper cable.

H3C S5120V3-28S-PWR-LI (9801A40S), 24 Port Giga PoE+ 240W

The switch also includes 4 SFP+ ports for high-speed fiber optic connections to core switches or remote locations. Management is managed through a web interface or command-line interface (CLI).

H3C CN6660B 32Gb 48-port fiber channel switch: H3C CN6660B

The H3C CN6600B switch is very flexible to maximize investment, expanding from 24 to 48 ports in an efficient 1U package design and supporting speeds of 4, 8, 10 or 16 Gb/s. It also supports a simplified

H3C S5560X Multi-Gigabit Switches | Enterprise

With multi-gigabit copper and fiber access options, powerful switching capacity, PoE-enabled models, and enterprise intelligent (EI)

SFP vs SFP+ vs QSFP28 vs QSFP-DD: 2026 Optical

SFP vs SFP+ vs QSFP28 vs QSFP-DD: Master optical transceiver selection for 1G to 800G AI networks with our lab-verified guide.

Fiber Patch Cables Explained 2025: Types, Connectors,

Introduction: why fiber patch cables matter? In a modern data center, every high-speed optical link depends on the right fiber patch cable. These short

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

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LS-S5120V2-28P-HPWR-LI H3C 24 port Gigabit POE power supply network management switch H3C S5120V2-LI Gigabit Access Switch Series H3C S5120V2-LI is the latest development of Gigabit

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LS-S5120V2-20P-LI H3C 16 Gigabit electrical ports 4 Gigabit optical ports Layer 2 enterprise-level series switch H3C S5120V2-LI Gigabit Access Switch Series H3C S5120V2-LI is the latest development of

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.

Guide to Fiber Network Cards: 10G/25G/100G NIC

Comprehensive guide to fiber NICs: SFP/SFP+/SFP28/QSFP28 speeds, SMF vs MMF, DAC vs AOC, PCIe compatibility, installation steps,

Fiber Optic Network Switches

VERSITRON manufactures a wide range of fiber optic switches that provide links for your 10Base, 100Base, 1000Base Gigabit, and 10 Gigabit networks

H3C 24-Port Switch Buyer''s Guide for SMB & Enterprise

Compare H3C 24-port switch series (S1850, S5130S-EI, S5560) by PoE+, Layer 3 features, IRF2 stacking, and energy efficiency. See specs, use cases, and sourcing options.

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