

H3C All-Optical Port Switch



AI Overview

H3C optical port switches provide high-speed fiber connectivity for enterprise and data center networks, supporting SFP/SFP+ modules and advanced co-packaged optics (CPO) for ultra-high throughput. Overview H3C offers a range of switches with optical ports designed for enterprise, data center, and AI/ML workloads. These switches support fiber connectivity via SFP, SFP+, and QSFP modules, enabling flexible uplink and high-speed interconnects. Optical ports allow for long-distance, high-bandwidth connections between switches, servers, and storage devices. Key Models and Features H3C S7003X Series with LSCM2CGT24TSSC8 Module: This line card provides 24 Gigabit RJ-45 ports and 4x 10G SFP+ fiber ports, supporting both 1G and 10G optical modules. It integrates VLAN tagging, QoS, ACL enforcement, and is managed via H3C's Comware OS. H3C S9827 800G CPO Switch: Designed for data center core networks, this switch uses co-packaged optics (CPO) silicon photonics to achieve 64 ports at 800Gbps each, with full-line speed forwarding and low latency (1.085 microseconds average delay). It is ideal for AI/ML clusters and high-performance computing environments. Optical Module Compatibility H3C switches support a variety of optical modules, including QSFP-40G-LR4, SFP+, and other standard fiber transceivers. Users can check module status and interface information using commands like: `CodeCopyshow interface show interface brief` These commands provide link state, module type, interface rate, and statistical data, which are essential for troubleshooting and monitoring optical connections. Applications Enterprise Networks: High-density uplinks and flexible fiber connections for campus or branch networks. Data Centers: High-throughput core and aggregation switches supporting 10G, 40G, and 800G optical links. AI/ML and HPC Clusters: Low-latency, high-bandwidth interconnects using CPO technology for large-scale computing workloads. Advantages Scalability: Supports multiple optical speeds and...

Article Content

H+S Polatis

Software Defined Networking enabled All Optical Switches. Industry leading performance - optical loss below 1dB. Customized MxN configurations up to

H3C Products Catalogue

The H3C S5170-EI switch adopts the industry-leading ASIC technology to develop a new generation of high-performance, high-port density, high-security and easy-to-install intelligent network-managed

H3C CN6670B Switch Product Brief

The H3C CN6670B Switch with Fabric Vision® technology provides a robust analytics architecture that delivers autonomous SAN technology through self-learning, self-optimizing, and self-healing

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.

H3C S5510-24F-AC Ethernet Switch 24 Optical Ports Full Gigab

H3C S5510-24F-AC Ethernet Switch 24 Optical Ports Full Gigabit 4 Gigabit Electrical Ports Layer 3 Ma - Available at Network Expert. Fast international shipping.

Why 1.6T Optical Transceivers Overtake 800G in 2026

1.6T optical transceivers are overtaking 800G in 2026 AI clusters because NVIDIA Blackwell GB200 systems require doubled bandwidth per port, Silicon Photonics gigabit managed switch with warranty online manufacture

LS-S5560S-52S-EI H3C 48-port Gigabit electric 4-port Gigabit optical manageable Layer 3 core switch H3C S5560S-EI Series Enhanced Gigabit Switches H3C S5560S-EI Switch Series is robust

IT Source Distribution JC131A I HP H3C Gigabit A8800 10-Port SFP ...

Technical Information Application/Usage Data Networking Interfaces/Ports Interfaces/Ports Details 10 x 1000Base-X Network Media & Performance Media Type Supported Optical Fiber Ethernet

Cisco SFP vs GBIC vs XFP vs SFP+: The Practical

All NS Comm optics, patch cords, and modules are multi-brand compatible, tested for Cisco, Huawei, H3C, Arista, and Alcatel-Lucent switches.

Switches-H3C

Products Data Center Switches Campus Network Switches AON Network Industrial Switches Data Center Switches Ultra-wideband, simple, and intelligent integration For intelligent ultra-wideband

H3C CN3360B Switch Product Brief

The H3C CN3360B combines market-leading Gen 6 throughput and low latency with an affordable switch form factor, making it ideal for small to mid-sized businesses. Using this switch, organizations

H3C Switches Price

Whether you require robust security, advanced management features, or seamless scalability, H3C switches, including models such as the H3C 6520, H3C S5130S and H3C S5560 series deliver

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 choice for building an all-optical campus network. They can function as

H3C LS-S5500-28F-EI-AC Ethernet Switch 24-Port All-Optical

H3C LS-S5500-28F-EI-AC Ethernet Switch 24-Port All-Optical Gigabit Layer 3 core Aggregation Switch Visit the Cisco Store

Network Cards, Adapters, and NICs Explained: Types

Learn what network cards, adapters, and NICs are. Understand wired vs wireless, PCIe vs USB, 1G-100G speeds, RJ-45 vs SFP+, installation

H3C FS5300-24UXS6X-EI L3 Ethernet Switch Host, Supports 16

The H3C FS5300-EI series switch is an access product designed for all-optical solutions. Based on the new generation high-performance hardware architecture and H3C's advanced Comware V7 software

H3C S6812/S6813 Series

H3C S6812/S6813 series switch supports AAA, RADIUS and user account based authentication, IP, MAC, VLAN, port-based user identification, dynamic and static binding; when

Switch Port Planning + Optics & Cabling for

Send your switch port requirements + distance tiers + target speeds-we'll reply with a BOM (switches if needed, optics, DAC/AOC, fiber patch cables)

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

Ls-S1850V2-9P/10P/26P/28P/52P/28X/52X/-Ei Hua San Gigabit Managed Switch

S1850V2-10P S1850V2-26P S1850V2-28P S1850V2-52P S1850V2-10P-EI S1850V2-28P-EI S1850V2-52P-EI S1850V2-28X 10g Optical Port S1850V2-52X 10g Optical Port 1850V2-9P-EI Quantity - +

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

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