H3C optical module interface model



Overview

Support Optical modules transmit signals over optical fibers. Optical transmission features low loss and is fit for long distance transmission. H3C devices.

Key Takeaways

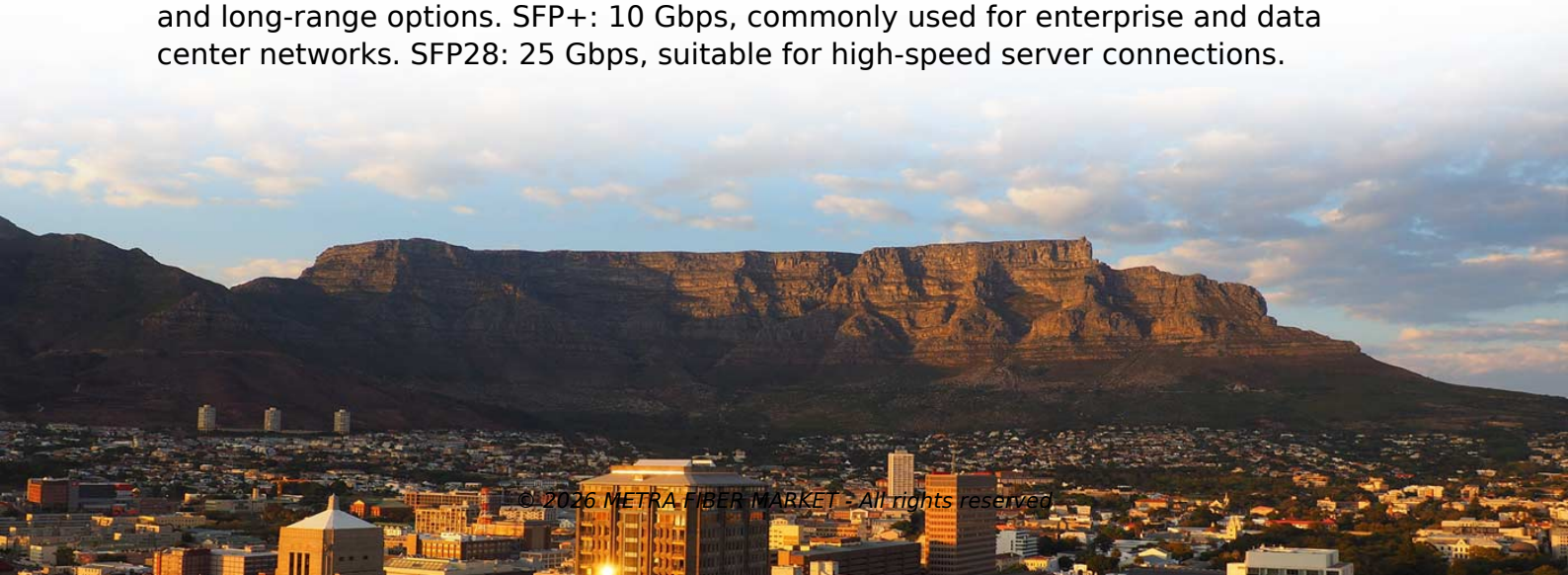
H3C optical modules include SFP, SFP+, XFP, QSFP, QSFP28, QSFP56, DAC, and AOC transceivers supporting data rates from 100 Mbps to 400 Gbps.

Overview of H3

C Optical ModulesH3C optical modules are designed for optical-to-electrical and electrical-to-optical conversions and support functions such as optical power control, modulation transmission, signal probing, IV conversion, and decision regeneration. They are available in multiple form factors including SFP, SFP+, SFP28, QSFP, QSFP28, QSFP56, CFP, CFP2, and CXP. Modules are categorized by data rate, transmission distance, and central wavelength (850 nm, 1310 nm, 1550 nm) to meet different networking requirements ( ).

Common H3

C Optical Module TypesSFP (Small Form-factor Pluggable): 100 Mbps to 1 Gbps, short- and long-range options. SFP+: 10 Gbps, commonly used for enterprise and data center networks. SFP28: 25 Gbps, suitable for high-speed server connections.



© 2026 METRA FIBER MARKET - All rights reserved

QSF

P: 40 Gbps, widely used in backbone networks. QSFP28: 100 Gbps, supports high-density data center applications. QSFP56: 200 Gbps, designed for next-generation high-speed networks.

CFP/CFP2: 100 Gbps and above, for long-haul and metro networks.

CX

P: 100 Gbps, used in high-performance computing and data centers.

DA

C (Direct Attach Copper) & AOC (Active Optical Cable): Short-range interconnects for servers and switches ( ). Data Rates and Transmission DistancesH3C optical modules support a wide range of data rates: 100 Mbps, 155 Mbps, 622 Mbps, 1 Gbps, 2 Gbps, 2. 5 Gbps, 4 Gbps, 8 Gbps, 10 Gbps, 16 Gbps, 25 Gbps, 32 Gbps, 40 Gbps, 50 Gbps, 100 Gbps, 200 Gbps, and 400 Gbps ( ).

Transmission distances are classified as: Short-range (SR): ≤ 2 kmLong-range (LR): up to 10 km or more, depending on fiber type and module specifications ( ).

Example H3

C Optical Module Models10

G Modules: 10G-SR, 10G-LR, 10G-LRM25G Modules: 25G-SR, 25G-LR40G Modules: 40G-QSFP+, 40G-LR4100G Modules: 100G-QSFP28-SR4, 100G-QSFP28-LR4200G Modules: 200G-QSFP56-SR4, 200G-QSFP56-LR4400G Modules: 400G-QSFP-DD, 400G-QSFP-DD-LR4 ( ).

Selection Considerations

When choosing H3C optical modules, consider: Device compatibility: Ensure the module is supported by the H3C switch or router. Data rate requirements: Match the module speed to network needs. Transmission distance: Select SR or LR based on fiber length.

Wavelength: Choose 850 nm for short-range, 1310 nm or 1550 nm for long-range applications ( ).

H3

C provides a wide range of optical modules to support enterprise, data center, and carrier-grade networks, ensuring flexibility for different network topologies and performance requirements.

© 2026 METRA FIBER MARKET - All rights reserved

Article Content

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 Lscm2cgt24tssc8 Optical Interface Switching Routing Engine

The H3C LSCM2CGT24TSSC8 is a high-performance switching and routing engine module designed for the H3C S7003X switch series. It combines 24x Gigabit RJ-45 ports and 4x 10G SFP+ fiber ports,

H3C Compatible 25GBASE-SL SFP28 850nm 30m DOM Duplex LC

Each SFP28 transceiver module is individually tested in targeted switches, and is fully compliant with the SFF-8472, SFF-8024, SFF-8431, SFF-8432, IEEE 802.3by, IEEE 802.3cc standards.

H3C SFP-25G-SR-MM850 Compatible 25GBASE-SR SFP28 850nm

Each SFP28 transceiver module is individually tested on targeted switches, and is fully compliant with the SFP28 MSA, RoHS, CPRI, and the eCPRI standards. Featuring low power consumption, high

25GBASE-SR SFP28 850nm 70m (OM3) /100m (OM4) MMF Module

25G WDM SFP28 optical module offers optimal input/output (I/O) performance and 2.5 times the fiber capacity of 10G Ethernet performance.

Optical Modules in General-Purpose Computing Scenarios

Huawei offers a comprehensive portfolio of pluggable StarryLink optical modules for data center networks, with various models providing flexible plug-and-play solutions tailored to diverse interface

How To View Optical Transceiver Information For QSFP-40G-SR-BD

H3C has a QSFP-40G-SR-BD optical module, model number is QSFP-40G-BIDI-SR-MM850, which can be used normally on H3C S6850-56HF switch. Today, we would like to introduce

H3C Transceiver Modules User Guide

Preface H3C Transceiver Modules User Guide describes the types, views, and speficications of transceiver modules and network cables available for H3C devices. ng topics bout the doc

© 2026 METRA FIBER MARKET - All rights reserved

Optical Module SFP-GE-SX-MM850 1.25G SFP Dual LC 55m

Optical Module SFP-GE-SX-MM850 1.25G SFP Dual LC 55m Multimode for Huawei/Cisco/H3C/Other AI Computing/HPC/Data Center

Cisco Command to Check SFP Module Details

Learn Cisco commands like show inventory and show interface transceiver detail to monitor SFP modules, DDM metrics, and compatibility.

2X SFP Optical Module Gigabit Single-Mode Optical Module SFP-GE

2X SFP Optical Module Gigabit Single-Mode Optical Module SFP-GE-LX-SM1310 20KM Dual Fiber 1.25G for H3C Beskrivelse Product Name: SFP Gigabit Optical Module Product model: SFP-GE-LX

400G Optical Modules 2026 Guide: DR4 vs. FR4 vs. LR8 Lab

400G FR4 delivers ~40% better fiber utilization in campus backbones LPO-compatible modules reduce power consumption by ~2.5W per port For 2026 deployments, prioritizing LPO

Tp-link optical module is the real king! 20km gigabit single ...

It''s not the equipment that''s faulty; it''s the "no-name module" you''re using. it can''t even handle a -27dbm receive threshold! the tp-link tl-sm312ls-20km, on the other hand, boasts a factory

Classification and Models of H3C Active Optical Cables

Active Optical Cables (AOC) work by utilizing external energy during communication, converting electrical signals into optical signals, or vice versa. The optical modules at both ends of

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

S10500 products include six models, S10504, S10506, S10508, S10508-V, S10510, and S12512, which can adapt to the port density and performance requirements of different network

H3C LSXM1YGS24CGMODTE2 Card Manual-6PW102

LSXM1YGS24CGMODTE2 24-port 25G Ethernet optical interface (SFP28)+ 4-port 100G Ethernet optical interface module (QSFP28) with 1 expansion slot 1 Identifier The module identifier

400G QDD-400G-ZR-L Tunable DWDM Transceiver 120KM SMF LC Interface

400G QDD-400G-ZR-L Tunable DWDM Transceiver 120KM SMF LC Interface Long Haul Optical Module Compatible Cisco H3C

© 2026 METRA FIBER MARKET - All rights reserved

Contact Us

Continue your research online:

Website: https://metramarket.es
Technical inquiry: https://metramarket.es/contact.html

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

© 2026 METRA FIBER MARKET - All rights reserved