H3C Multimode Fiber Optic Module



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 multimode fiber optic modules are SFP or SFP+ transceivers designed for short-range, high-speed optical connections over multimode fiber, supporting data rates from 1Gbps to 10Gbps. OverviewH3C multimode fiber optic modules are primarily SFP (Small Form-factor Pluggable) and SFP+ transceivers used for converting electrical signals to optical signals and vice versa, enabling high-speed data transmission over multimode fiber (MMF) networks. These modules are widely used in enterprise networks, data centers, and high-density server interconnects.

They support short-range transmission, typically up to 550 meters over OM3 or OM4 multimode fiber, depending on the module and fiber grade.

Key Features

Data Rates: Common H3C multimode modules support 1Gbps (1000BASE-SX) and 10Gbps (10GBASE-SX) speeds. Wavelength: Most multimode modules operate at 850nm, optimized for MMF transmission. Connector Type: LC duplex connectors are standard for H3C multimode transceivers.

Compatibility: Modules are compatible with H3C switches, routers, storage systems, and other networking hardware that support SFP/SFP+ MSA standards. Optical Budget: Typical modules, such as the SFP-GE-SX-MM850-A, provide a minimum optical budget of 7.5 dB, sufficient for short-range links up to 550 meters.

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Pluggable: These modules can be inserted or removed without powering down the device, facilitating maintenance and upgrades. Common ModelsH3C SFP-GE-SX-MM850-A: 1Gbps, 850nm, up to 550m over multimode fiber.

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C JD493A-H 1000Base-SX: LC duplex SFP, 850nm, compatible with H3C hardware, tested for long service life and reliability.

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C SFP-XG-SX-MM850-E: 10Gbps SFP+ for OM3/OM4 multimode fiber, short-range, suitable for high-speed data center links.

Deployment Considerations

Fiber Type: Use OM3 or OM4 multimode fiber for 10Gbps links to ensure low inter-mode dispersion and reliable performance. Distance Limitations: Multimode fibers are suitable for short-range connections; inter-mode dispersion increases with distance, limiting maximum reach. Network Planning: Selecting the correct module impacts system performance, interoperability, and long-term maintenance costs.

Applications: Ideal for top-of-rack switches, aggregation switches, and server interconnects in enterprise and data center environments.

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C multimode fiber optic modules provide a cost-effective, reliable solution for short-range optical connectivity, ensuring high-speed data transmission with compatibility across a wide range of H3C networking equipment. Proper selection of module type, fiber grade, and connector ensures optimal network performance and longevity.

Article Content

H3C SFP GE SX MM850 A Compatible Replacement Guide

The H3C SFP GE SX MM850 A is a Gigabit Ethernet SFP optical module designed for short-range fiber connections using multimode fiber. It operates at 850nm and supports the 1000BASE-SX standard,

Genuine H3C Transceiver Modules

The H3C QSFP-40G-BIDI-SR-MM850 QSFP+ Optical Transceiver Module is designed for use in 40GBASE Ethernet throughput up to 150m over OM4 multimode fiber (MMF) using a wavelength of

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H3C SFP-XG-SX-MM850-D SFP+ 10GBASE-SR Multimode Transceiver

The SFP-XG-SX-MM850-D 10GBASE-SR LC Duplex SFP+ compatible with H3C has a receiving function (receiver with 850nm) and a transmitting function (transmitter with 850nm) for the

H3C SFP-25G-SR-MM850 Optical Module Sample Test Report

H3C offers the SFP-25G-SR-MM850 optical module, which supports 25G Ethernet transmission up to 100 m over multimode fiber. Moduletek Laboratory has tested samples of this

10G SFP SR Optical Module MultiMode 300m for H3C for Huawei for

Optical Module 10G SFP SR MultiMode 300m for H3C Huawei CISCO Switch in AI Computing Data HPC Center. Reliable fiber optic transceivers for FTTH FTTX.| Alibaba

H3C Equipment Internet Bar 10G Optical Module Solution

Then select two H3C full gigabit switches to build a gigabit network and enjoy games, 4k movies and other service experiences. The transmission carrier of the server and the switch can use

H3C SFP-XG-SX-MM850-E Transceiver

H3C SFP-XG-SX-MM850-E transceiver module is an ideal choice for high-performance networking requiring fast data transmission over multimode fiber (MMF). With a data rate of 10.31Gbps and a

Antaira SFP-10G-M-H3

SFP-10G-M-H3 The SFP-10G-M is designed to transmit and receive optical data over 50/125 ?m or 62.5/125 ?m multimode optical fiber. The transmitter converts 10Gbit/s serial PECL or CML electrical

H3C Transceiver Modules User Guide

Transmission distances provided by optical transceiver modules are mainly limited by certain loss and dispersion suffered during the transmission of optical signals over optical fibers.

Optical Module SFP 10G LR 10G 10km Singlemode Multimode for AI ...

Optical Module SFP 10G LR 10G 10km Singlemode Multimode for AI Computing Data Center Compatibility for CISCO BD H3C 5G Switches

H3C SFP-XG-SX-MM850 Datasheet

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This H3C SFP-XG-SX-MM850 SFP+ transceiver supports up to 400m link lengths over OM4 MMF (300m over OM3 MMF) via an LC duplex connector. Digital diagnostics monitoring is available via a

H3C QSFP-100G-SR4-MM850 Datasheet

The H3C QSFP-100G-SR4-MM850 QSFP28 Optical Transceiver Module is designed for use in 100GBASE Ethernet throughput up to 100m over OM4 multimode fiber (MMF) using a wavelength of

H3C SFP-GE-SX-MM850-A Datasheet | FluxLight

H3C COMPATIBLE SFP-GE-SX-MM850-A Quick Spec: ... H3C COMPATIBLE SFP-GE-SX-MM850-A Features Up to 1.25Gb/s data links Hot-pluggable SFP Footprint Compliant with specifications for

H3C SFP-FC-8G-SW-MM850 Datasheet

The H3C SFP-FC-8G-SW-MM850 is SFP+ (Small Form factor Pluggable) Transceiver, operating over duplex multimode fiber. This transceiver use top quality VSCEL Laser transmitter with operating at

10G multimode optical module dual fiber switch transceiver module

The 10G multimode optical module dual fiber switch transceiver module SFP+ SR is a cutting-edge solution designed to meet the demanding requirements of modern industrial environments.

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

H3C Compatible QSFP28 100GBASE-SR4 and 112GBASE-OTU4

The H3C Compatible QSFP28 Optical Transceiver Module is designed for use in 100GBASE Ethernet and 4x 28G OTN client interfaces throughput up to 70m over OM3 multimode fiber (MMF) or 100m

Multimode Dual Fiber 10G Optical Modules H3C SFP-XG-SX-MM85

H3C SFP-XG-SX-MM850-D 10G Multimode Dual Fiber 10G Optical Module. H3C SFP-XG-SX-MM850-D Compatible 10GBASE-SR SFP+ 850nm 300m DDM Transceiver Module. Optical

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

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