

# What is the transmission distance of the H3C optical module



## Overview

The H3C Compatible QSFP28 transceiver provides 100GBase-OWDM throughput up to 40km over single mode fiber (SMF) using a wavelength of 1300.05nm via an LC/UPC duplex connector. It is fully compliant with the QSFP28 MSA, SFF-8636 standard. 24 miles) and below is generally considered as short-range type. Transmission distances provided by optical transceiver. H3C C35 DWDM-SFP10G-49. 32-80-I Compatible SFP+ 10G DWDM 1549. 32nm 100GHz 80km DOM Duplex LC/UPC SMF Optical Transceiver Module for Transmission (Industrial) - FS. com Europe FS EuropeFREE SHIPPING on Orders Over EUR 79 VAT excl. Moduletek Laboratory has tested samples of this product to help users better understand its performance specifications and actual on-site application effect. Transceivers are mainly used for optical-to-electrical and transmission. The optical modules at both ends of the optical cable provide optical-electric conversion and optical transmission functions. Common classifications of H3C AOC active optical cables include: 100G QSFP28 Cable, 40G QSFP+ Cable, 25G SFP28 Cable, 10G SFP+ Cable, etc.



## Article Content

QSFP Optical Module Planning for the Future: Key Trends 2026-2034

QSFP Optical Module Market Report: A Deep Dive into the Next-Generation Connectivity Ecosystem (2019-2033) This comprehensive report provides an in-depth analysis of the global QSFP

Classification and Models of H3C Active Optical Cables

It is the most economical and simple solution for port conversion. The transmission length ranges from 1 to 100 meters, and the lengths of the cables at both ends of the splitter can be freely

H3C SFP-XG-LX-SM1330-BIDI Optical Module Sample Test Report

H3C offers the SFP-XG-LX-SM1330-BIDI optical module, which supports 10G Ethernet transmission up to 10 km over single-mode fiber. Moduletek Laboratory has tested samples of this product to help

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

Differences Between ST, SC, FC, and LC Fiber

Fiber optic connectors are the unsung heroes of modern networking. They are small, often overlooked components, yet they are essential for ensuring

The Ultimate Guide to SFP Modules (2026): Types,

Confused by SFP vs SFP+? Read the definitive 2026 guide on SFP modules. We explain Single Mode vs Multimode, DDM diagnostics, and how to choose the right

EPON Explained: Unlocking High-Speed Fiber Networks

EPON delivers fast, reliable internet using fiber-optic cables with a simple, cost-effective design, making it ideal for homes and businesses seeking

Optical Module Chip Market 2025

Optical module chips are semiconductor devices that enable high-speed data transmission in fiber optic networks. These components form the core of optical transceivers, converting electrical signals to

Optical Modules Future-Proof Strategies: Market Trends 2026-2034

The optical modules market is booming, projected to reach \$27.4 billion by 2033 with an 8% CAGR. This comprehensive analysis explores market size, drivers, trends, restraints, and key

## How To Read Optical Module Information On H3C Switches

Optical modules are widely used in switches, network cards, routers, and other communication equipment. Reading optical module information during use helps understand its real-time operating

## How to Reduce Optical Module Costs Without Sacrificing Performance

How to Reduce Optical Module Costs Without Sacrificing Performance In today's rapidly evolving network environments, reducing operational costs is a top priority for data centers, telecom

## H3C C35 DWDM-SFP10G-49.32-80-I Compatible SFP+ 10G DWDM

H3C compatible SFP+ transceiver supports up to 80km link lengths over single-mode fibre (SMF) via an LC duplex connector. This transceiver is compliant with SFF-8431 and SFF-8432 MSA standards.

## Global 800G Optical Module Market Research Report 2025

The global market for 800G Optical Module was valued at US\$ million in the year 2024 and is projected to reach a revised size of US\$ million by 2031, growing at a CAGR of %during the

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

Key Advantage: Up to 4 fiber efficiency improvement vs DR4 For future planning, this aligns closely with 800G migration strategies (see your internal 800G optical roadmap article). 3.

## Fiber transceiver modules, Data rate, Transmission distance - H3C ...

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

## Growth Strategies in 25G Optical Module Market: 2026-2034 Outlook

The move toward higher-speed optical modules (400G and beyond) indirectly fuels the 25G market as they are often built using multiple 25G modules. The adoption of coherent optical

## QSFP28 100G AOC high-speed interconnection optical cable

For medium distances between 5 and 30 meters, AOC active optical cables are recommended for optimal cost-performance ratio and transmission stability. For distances exceeding 30 meters, the

## H3C Compatible QSFP28 100G OWDM 1300.05nm 40km DOM

The H3C Compatible QSFP28 transceiver provides 100GBase-OWDM throughput up to 40km over single mode fiber (SMF) using a wavelength of 1300.05nm via an LC/UPC duplex connector.

### H3C All-Optical Network Technology White Paper-6W100

All-optical networks use fiber as the transmission medium, which features long transmission distance, high speed, low attenuation, strong anti-interference capability, and long life cycle.

### H3C All-Optical Network Technology White Paper-6W100

· Long transmission distance—The transmission distances of Category 5 and Category 6 cables are typically within 100 m (328.08 ft), and single-mode fibers on 10 gigabit transceiver modules can

### H3C SFP-XG-LX-SM1270-BIDI Optical Module Sample

H3C provides the SFP-25G-LR-SM1310 optical module, which supports 25G Ethernet transmission up to 10 km over single-mode fiber. Moduletek Laboratory

### What Is FCoE Fibre Channel over Ethernet? A Complete Guide

Because FCoE operates on Ethernet physical layers, it uses standard Ethernet optical transceivers rather than native Fibre Channel optics. The choice of optical module depends on

### NVIDIA/Mellanox 0.5m 200G QSFP56 Passive Direct Attach Cable for DGX ...

The maximum transmission distance for a 200G DAC cable is 3m. For distances exceeding 3m, it is recommended to choose AOC (Active

### Pluggable Optical Module Market Research Report 2034

Pluggable optical modules, encompassing SFP, SFP+, QSFP, QSFP+, CFP, CFP2, and CFP4 form factors, serve as the foundational building blocks of modern optical networking, enabling high

### Wavelength and Transmission Distance of Optical

The transmission distance of optical transceiver modules is divided into short distance, medium distance, and long distance. Usually, short-distance

### Cisco XFP vs. SFP vs. SFP+ (2025 Guide): Differences,

Introduction - Why Understanding SFP, SFP+, and XFP Matters Optical transceivers are at the heart of modern fiber networks - connecting

### 1.6T Optical Module Market Report: Trends and Growth

1.6T optical modules are characterized by their high data transmission capacity, enabling significantly faster data rates compared to previous

## Contact Us

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