

How many kilometers is the LH20 optical module



Overview

The H3C SFP-GE-LH20-SM1490-CW compatible SFP transceiver supports up to 20km link lengths over single-mode fibre (SMF) via an LC duplex connector.

Key Takeaways

The LH20 optical module supports a maximum transmission distance of 20 kilometers over single-mode fiber. The LH20 optical module, including variants such as H3C SFP-GE-LH20-SM1490-CW, HS-SFP-GE-LH20-BIDI-1310, and 10GBASE-LH20 SFP+, is designed to operate over single-mode fiber (SMF) with a wavelength typically around 1310nm. It provides reliable data transmission for both 1Gbps and 10Gbps networks, depending on the specific module type.

The module uses LC duplex connectors and supports full-duplex communication, converting electrical signals to optical signals at the transmitting end and back to electrical signals at the receiving end. These modules are suitable for enterprise LANs, data center networks, ISP uplinks, and long-distance optical links, offering stable performance with low power consumption and built-in Digital Diagnostic Monitoring (DDM/DOM) for real-time monitoring of optical power, temperature, and voltage. The 20 km range ensures that the module can cover medium-distance connections without the need for additional signal amplification or repeaters, making it ideal for backbone or inter-building network links.

In summary, the LH20 optical module reliably covers up to 20 kilometers over single-mode fiber, supporting high-speed Ethernet connections with robust monitoring and compatibility across multiple network devices.

Article Content

H3C SFP-GE-LH20-SM1490-CW CWDM SFP (mini-GBIC)

The H3C SFP-GE-LH20-SM1490-CW compatible SFP transceiver supports up to 20km link lengths over single-mode fibre (SMF) via an LC duplex connector. Each SFP transceiver module is individually

H3C SFP-GE-LH20-SM1410-CW Compatible LINK-PP 1.25G Sfp

Shop H3C SFP-GE-LH20-SM1410-CW Compatible LINK-PP 1.25G Sfp Cwdm 1410nm 20km DOM Duplex LC/UPC SMF Optical Transceiver Module. Tested LINK-PP compatible module .

H3C SFP-GE-LH20-CW Compatible SFP 1000BASE-CWDM 20km

H3C SFP GE LH20 SM1270 CW Compatible 1000BASE CWDM SFP transceiver module data sheet SMF, 1270nm, 20km, LC connector and price list on Mvslinks .

H3C SFP-GE-LH20-SM1310-BIDI Compatible 1.25Gbps BIDI SFP

H3C SFP-GE-LH20-SM1310-BIDI compatible optical transceiver is a single fiber bidirection 1000Mbps Small Form-factor Pluggable SFP BIDI module for use in 1000BASE Ethernet network.

10GBASE-LH20 SFP+ 1310nm 20km Optical Transceiver Module

10GBASE-LH20 SFP+ 1310nm 20km Optical Transceiver Module Max. Power Consumption 1W Tested in Targeted Switches for Superior Performance, Quality, and Reliability Hot Pluggable SFP+ MSA

H3C SFP-GE-LH20-SM1470-CW Compatible SFP 1000BASE-CWDM

The H3C SFP-GE-LH20-SM1470-CW compatible SFP transceiver supports up to 20km link lengths over single-mode fiber (SMF) via an LC duplex connector. Each SFP transceiver module is individually

Generic Compatible 10GBASE-LH20 SFP+ 1310nm 20km Transceiver

The Generic compatible 10G SFP+ transceiver module is equipped with an LC connector, reaching a link up to 20km over single-mode fiber (SMF). This 10G optical transceiver comes with a duplex LC

Cisco GLC-LH-SM-20 1000BASE-LX/LH SFP Transceiver for SMF

HiFiber's Cisco GLC-LH-SM-20 Compatible 1000BASE-LX/LH SMF Single-Mode 1310nm 20km transceiver are high performance, cost effective modules supporting dual data-rate of

Cisco GLC-LH-SM-20 Compatible 1000BASE-LX/LH SFP Optical

Cisco GLC-LH-SM-20 Compatible 1000BASE-LX/LH SFP Transceiver Module (SMF, 1310nm, 20km, LC, DOM)

Glc-lh-smd-c Datasheet

ProLabs is focused on innovations in optical transport and connectivity. The combination of our knowledge of optics and networking equipment enables ProLabs to be your single source for optical

GLC-LH-SMD

The Cisco GLC-LH-SMD is a 1000BASE-LX/LH SFP transceiver module that delivers 1 Gbps connectivity over both single-mode and multimode fiber at a 1310 nm wavelength — with built-in

Cisco GLC-LH-SMD Datasheet

The 1000BASE-LX/LH SFP, compatible with the IEEE 802.3z 1000BASE-LX standard, operates on standard single-mode fiber-optic link spans of up to 10 km and up to 550 m on any multimode fibers.

Cisco GLC-LH-SM-20 Compatible 1000Baselx SFP 20km | FiberMall

Cisco GLC-LH-SM-20 Compatible 1000Baselx SFP Transceiver Module support a data rate of 1.25Gbps and a 20km transmission distance with SMF.

At what distance does SFP GLC-LH-SMD work?

At what distance does SFP GLC-LH-SMD work? Recently I had a conversation with a colleague. Between the two buildings installed SM optic cable. Length is about 15 km, attenuation is

GLC-LH-SMD

GLC-LH-SMD Cisco 1000BASE-LX/LH SFP transceiver module for MMF and SMF, 1300-nm wavelength, 10km, extended operating temperature range and DOM support, dual LC/PC connector

Cisco SFP Modules for Gigabit Ethernet Applications

This data sheet describes the benefits, specifications, and ordering information for the Cisco SFP Modules for Gigabit Ethernet Applications.

What is the difference between SFP LX and SFP LH?

SFP LH: LH stands for "Long Haul," indicating that SFP LH modules are designed for longer-distance communication. SFP LH modules can support distances greater than 10 km, often in

How to Choose the Right 1000base Lx Lh Sfp for Your Needs

Understanding the Basics of 1000base LX and LH SFP Modules Understanding the differences between 1000base LX and LH SFP modules is crucial for effective network design. The

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

