100g optical module single-mode 2km range



Overview

The Cisco QSFP-100G-SM-SR QSFP module supports link lengths of up to 2 kilometers over a standard pair of G. 652 Single-Mode Fiber (SMF) with duplex LC connectors. The 100 Gigabit Ethernet signal is carried over four wavelengths. The Cisco 100GBASE Quad Small Form-Factor Pluggable (QSFP) portfolio offers customers a wide variety of high-density and low-power 100 Gigabit Ethernet connectivity options for data center, high-performance computing networks, enterprise core and distribution layers, and service provider. The QSFP-10002-FR1 is a single lambda short reach single-mode 100G QSFP28 optical module transceiver compatible with the 100GBase-FR1 specifications. There are 4x 25G NRZ electrical channels in the interface for a total speed of 100G. This 100G QSFP28 FR1 transceiver module is engineered for long-distance transmission in datacom and telecom networks. Standard: Compliant with 100G Lambda MSA 100G-FR1. Utilizing four full-duplex channels, it delivers 100Gbps aggregate bandwidth with reliable.

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Article Content

QSFP28 100G FR1 Optical Transceiver, 1310nm EML, 2km Reach

This 100G QSFP28 FR1 transceiver module is engineered for long-distance transmission in datacom and telecom networks. Standard: Compliant with 100G Lambda MSA 100G-FR1.

100GBASE Optical Transceivers and Cables Portfolio | FS

The series of product adopts LC or MTP/MPO connector and operates over Single Mode or Multimode optical fiber. They can be used for connections from 100m up to 80km and are suitable for 100G

100G QSFP28 Distance Guide: MMF & SMF Range Comparison

Complete guide to 100G QSFP28 transceiver distances. Compare multimode (70m-500m) vs single-mode (2km-100km) options for network planning.

Huawei QSFP28 100G CWDM4 Optical Transceiver Accelerates High

Huawei QSFP28 100G CWDM4 optical transceiver modules are becoming an essential solution for enterprises, cloud providers, telecom operators, and hyperscale data centers seeking

Small Form-factor Pluggable

Small Form-factor Pluggable Small Form-factor Pluggable connected to a pair of fiber-optic cables Small Form-factor Pluggable (SFP) is a compact, hot

100G QSFP28 Module Single Mode Transceiver

Find 100G QSFP28 Module Single Mode Transceiver at ETU-Link,we are committed to provide professional technical 100G QSFP28 Module Single Mode Transceiver. Competitive price!

Huawei OPTICAL TRANSCEIVER SINGLE-MODE MODULE Price

Huawei OPTICAL TRANSCEIVER SINGLE-MODE MODULE price from Huawei price list 2022, Huawei router price, Huawei switch price

100G QSFP28 Transceivers with 100% In-house Tested for Compatibility

LSOLINK''s 100G QSFP28 optical modules 100gbase SRBD, SWDM4, SR4 and LR4 transceivers for InfiniBand and Ethernet connectivity solution.

100G QSFP28 CWDM4 Optical Transceiver Module Compatible with

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100GBASE CWDM4 IR4 QSFP28 transceiver module, 100Gbase, single mode,1271nm, 1291nm, 1311nm and 1331nm, 2km, LC connector, full-duplex, Hot Pluggable, support DOM Power

SFP28 • QFSP28 Optical Modules for Sale | Cables on Demand

SFP28 • QFSP28 Optical Modules Amphenol 25G SFP28 Optical Transceiver Modules and 100G QSFP28 Optical Transceiver Modules Available Now in SR (Short-Range) Multimode and LR (Long

2KM 100GBASE Optical Transceiver Module from China Factory

The HILink HL-QA0GCM-C4 is a Four-Channel, Pluggable, dual LC, Fiber-Optic QSFP28 Transceiver for 100G Ethernet applications. The QSFP28 full-duplex optical module offers 4 independent transmit

10G Single-Mode Optical Module

SFP+ transceiver that supports 10G connections up to 10 km using single-mode fiber with a duplex LC UPC connector.

QSFP-100G-CU5M Cisco Optical Alternatives for Long-Reach

Utilizing QSFP-100G-CWDM4 for Cost-Effective 2km Single-Mode Links For environments that require single-mode fiber but do not need the full 10km or 20km reach of an LR4 module, the QSFP-100G

QSFP28 Transceiver: Complete 100G Connectivity Guide (2026)

QSFP28 transceiver guide covering module types, pricing, compatibility, and deployment. Learn how to choose, deploy, and troubleshoot 100G QSFP28 optics.

Optical Optical Modules for 5G Networks

Core layer transmission requires high capacity and an extended distance of 80km, so 100G/200G/400G coherent DWDM optical modules are

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

Next-Generation Connectivity: The Rise of 800G OSFP 2*FR4 Optical ...

The 800G OSFP 2*FR4 transceiver, specifically the TS-OP-318H-01C, supports a maximum reach of up to 2km over standard G.652 single-mode fiber (SMF). This makes it suitable

100GBASE QSFP-100G Modules Data Sheet

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The Cisco QSFP-100G-FR-S Module supports link lengths of up to 2 km over a standard pair of G.652 Single-Mode Fiber (SMF) with duplex LC

Contact Us

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African project coordination: Century City, Cape Town, Western Cape, South Africa

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

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