

# 8G Single-Mode Optical Module



## Overview

The SFP-8G31-10-xx series single mode transceiver is small form factor pluggable module for serial optical data communications such as X1/X2/X4/X8 Fiber Channel. It is programmed for installations in switches, routers, servers, PCI Cards, Firewalls and other connections in equipment that have 8G SFP+. Single-fiber bidirectional (BIDI) optical modules must be used in pairs. For example, SFP-10G-BXD1 must be used with SFP-10G-BXU1. 8G with a wavelength of 1310nm, suitable for distances up to 1. Additionally, the module features digital optical monitoring (DOM) capabilities that allow. Brocade Compatible 8G Fibre Channel SFP+ Transceiver Module (SMF, 1310nm, 20km, LC, DOM) The Brocade compatible module provides 8GBase-LR throughput up to 20km over single-mode fiber (SMF) using a wavelength of 1310nm via an LC duplex connector.



## Article Content

May 25, 2026

XG-SFP-LR-SM1310 10GBASE-LR SFP+ 1310-nm 10-km DOM

The XG-SFP-LR-SM1310 is aligned to IEEE 10GBASE-LR optical specifications and supports a link length of up to 10 kilometers over a single-mode fiber (SMF) with an LC connector. It adopts the

May 27, 2026

SFP Optical Transceiver | SFP Optical Module | Perle

Multimode and single-mode fiber Gigabit Ethernet, Fast Ethernet, Fiber channel, ATM/SONET, SDH Hot-pluggable with durable metal enclosure Can be installed

Jan 06, 2026

Huawei SFP-10G-ILR 9.8G 1310nm 1.4km SFP+ Optical

Huawei's SFP-10G-iLR Optical Transceiver is a high-performance SFP+ module

Aug 22, 2025

SFP Optical Module 1.25G Single Optical Fiber 20km

This is a standard SFP optical module. It uses a single mode optical fiber and the speed rate can up to 1.25Gbps, transmission distance up to 20 km.

Jan 05, 2026

Huawei SFP-10G-iLR Optical Transceiver,SFP+,9.8G,Single-mode

Description ... Huawei SFP-10G-iLR Optical Transceiver,SFP+,9.8G,Single-mode Module (1310nm,1.4km,LC) Price in Dubai UAE by Huawei SKU: SFP-10G-iLR Fast Shipping

May 29, 2026

Cisco 10GBASE SFP+ Modules Data Sheet

When shorter distances of single-mode fiber are used (<40km), an inline optical attenuator must be used to avoid overloading and damaging the

Feb 11, 2026

LonRise Launches High-Performance OSFP-800G-DR8 Transceiver

In a typical Tier-1 cloud data center, these modules are deployed in the spine-and-leaf fabric. For a point-to-point 800G link, two modules are installed in OSFP-enabled switches and connected

Sep 27, 2025

### Huawei 10GE Optical Modules

Buy genuine Huawei 10GE optical modules from GenuineModules with best price and fast worldwide shipping.

May 08, 2026

### QSFP-DD-400G-SR4 Optical Transceiver 1. Summary

The Huawei QSFP-DD-400G-SR4 optical transceiver module represents a critical leap forward in short-range network solutions, delivering unprecedented bandwidth over multi-mode fiber

Mar 02, 2026

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

At its core, an 800G OSFP 2\*FR4 transceiver is a hot-pluggable optical module designed for 800 Gigabit Ethernet links. Unlike traditional single-channel modules, the "2\*FR4" designation

Jul 07, 2025

### Cisco DS-SFP-FC8G-LW 8G SFP+ Transceiver Module

The Cisco DS-SFP-FC8G-LW Transceiver Module is a high-quality

Feb 02, 2026

### Breaking New Frontiers in AI Infrastructure: The Launch of the TS

Physically, the module interfaces via a 16-core MPO/APC connector. Unlike standard LC connectors used in single-mode optics, the MPO-16 APC (Angled Physical Contact) interface is

May 02, 2026

### 8G SFP+ Fibre Channel LW, 1310nm, 10km, DDM,

It is programmed for installations in switches, routers, servers, PCI Cards, Firewalls and other connections in equipment that have 8G SFP+ interfaces. With this Mini

Nov 29, 2025

### 8G FC Fiber Channel Single-Mode 1310nm 10km SFP Transceiver

The SFP-8G31-10-xx series single mode transceiver is small form factor pluggable module for serial optical data communications such as X1/X2/X4/X8 Fiber Channel.

Sep 15, 2025

## 8G SFP Optical Transceiver Modules | AscentOptics

8G FC SFP is a series of optical transceiver modules designed for 2G/4G/8G Fiber Channel links and complies with SFP+ MSA specifications - AscentOptics.

Jul 04, 2025

## Avendor Axiom Nvidia 400G OSFP DR4 Optical Transceiver Module ...

The Axiom Nvidia 400G OSFP DR4 Optical Transceiver Module (SKU: 980-9I31N-00NM00-AX) delivers high-performance, 400-gigabit connectivity engineered for next-generation data center and HPC

May 07, 2026

## 8G SFP+ LR 1310nm 10KM LC Optical Transceiver-SFP Module,

8G SFP+ LR optical transceiver is a high-speed, reliable solution designed for 8.5Gbps Fibre Channel and 10GbE applications, offering a transmission distance of up to 10 kilometers over single-mode

Oct 23, 2025

## huawei-optical-module-supplier-list Manufacturer/Producer

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Jan 19, 2026

## #nvidia #osfp #800g #transceiver | Kiko Gao

NVIDIA MMS4X00-NS 800G OSFP 2DR4 100m fiber optic module Key Features 800G 2xDR4 single mode transceiver 8-channels of 100G-PAM4 electrical modulation Two MPO-12/APC optical

Nov 25, 2025

## Gigabit Single Mode Converter

Gigabit Single Mode Converter | Single Mode 2 Gigabit Media Converter | Fiber Media Converter, LC Transceiver Module, Auto Sensing Gigabit for Home Our Single Mode Gigabit Fiber Media

Feb 27, 2026

## GPFD Service Board GPFD price and specs epfd

C+ SFP Module Optical Power: 3 dBm~7 dBm, Receiver Sensitivity: -32 dBm Exchanging module to achieve the convergence of 16 GPON port signals.

May 18, 2026

Broadcom Sian3 and Sian2M: 200G/lane optical

Analyzing Broadcom's Sian3 and Sian2M 200G/lane DSP technologies. Sian3 (3nm/SMF) and Sian2M (5nm/MMF) support 800G and 1.6T

Sep 18, 2025

Huawei OSX010000 Optical Transceiver SFP+ 10G

Explore the Huawei OSX010000 Optical Transceiver SFP+ 10G Single-mode Module for high-speed data transfer. Ideal for tech solutions, order today!

Sep 13, 2025

10GE SFP+ Optical Modules

Single-fiber bidirectional (BIDI) optical modules must be used in pairs. For example, SFP-10G-BXU1 must be used with SFP-10G-BXD1.

May 20, 2026

huawei-optical-module-supplier-list

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Ubiquiti 10G Single-Mode Optical Module UACC-OM

Ubiquiti UACC-OM-SM-10G-D Overview Complete your network installation with this 10G Single-Mode Optical Module 2-pack from Ubiquiti Networks. Featuring

## Contact Us

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