

Optical Module SFP-GE Single-Mode Module



Summary of Content

The SFP-GE-Single Mode is a small form-factor pluggable Gigabit Ethernet optical module designed for single-mode fiber, supporting distances up to 10 km and often requiring paired modules for bidirectional operation.

Overview

The SFP-GE-Single Mode module is a Gigabit Ethernet (1 Gbps) optical transceiver that connects network devices such as switches and routers over single-mode fiber (SMF). It is hot-swappable, allowing installation or replacement without powering down the device, and typically uses an LC connector for full-duplex communication .

Key Specifications

- Fiber Type: Single-mode fiber (SMF)
- Wavelength: Commonly 1310 nm for standard LX modules; bidirectional (BIDI) modules use paired wavelengths, e.g., 1310 nm transmit / 1490 nm receive
- Transmission Distance: Up to 10 km for standard single-mode SFPs; some extended-range modules can reach 40-70 km depending on the model
- Interface: LC duplex connector for standard modules; single-fiber BIDI modules use one fiber for both transmit and receive
- Hot-Swappable: Yes, supports easy replacement without network downtime
- Digital Optical Monitoring (DOM): Some modules support DOM to monitor real-time parameters such as optical output/input power, temperature, and voltage

Article Content

H!Fiber 1.25G Single Mode SFP LC Module, 1000Base-LX/LH Fiber

H!Fiber offers one-stop Datacenter solution and products, including SFP Transceivers, DAC Cables, Network Card, Media

SFP modules – transceivers for 1/2/4G fibre channel

1G Ethernet and FC SFP – Gigabit Ethernet (GbE) and 1G FC SFP transceivers for cost-effective optical

SFP-GE-LX-SM1310 (02315200)

This document provides specifications and details about the SFP-GE-LX-SM1310 optical module for Huawei devices.

Introduction of GE SFP Optical Modules

SFP Optical Modules (Small Form-factor Pluggable) are compact, hot-swappable transceivers used for

SFP-GE-CS-SM 1.25Gbps 1310nm Single-mode Simplex SC fiber SFP

1.25Gbps 1310nm Single-mode Simplex SC fiber SFP Transceiver Compliant with SFF-8472 and DDM Function Small Form Factor

Industrial GbE Fiber SFP Optical Transceiver Module Single-Mode 40

Industrial Gigabit Fiber SFP Optical Transceiver Module, 1000Base-EX (LC) Single-Mode Port, 40 km (25 mi.), Wavelength 1550 nm,

[Product Hub] Single Mode SFP Transceiver | Optcore

High-performance single mode SFP transceivers for long-distance networking applications. Find the

Cisco SFP Modules for Gigabit Ethernet Applications

The 1000BASE-ZX SFP operates on standard single-mode fiber-optic link spans of up to approximately 70 km in length. The SFP

Huawei 02315200 Datasheet

Huawei 02315200 Datasheet Huawei SFP-GE-LX-SM1310 Optical Transeiver, eSFP, GE, Single-mode Module (1310nm, 10km, LC)

StarTech Juniper SFP-1GE-LX Compatible SFP Module

StarTech Juniper SFP-1GE-LX Compatible SFP Module - 1000BASE-LX - 1GbE Single Mode Fiber SMF Optic Transceiver -

10Gtek 1.25G SFP Transceiver 1000Base-LX, 1310nm SMF ...

1000BASE-LX/LH SFP to LC Optical Gigabit Ethernet Fiber transceiver module, 1.25G Singlemode

02315200

Huawei SFP-GE-LX-SM1310 Optical Transceiver, eSFP, GE, Single-mode Module (1310nm, 10km, LC) Brand: Huawei Part Number:

Compatible 1G Singlemode SFP Transceivers

Buy 1G singlemode SFP transceivers compatible with various brands including Cisco, Juniper, HP & Netgear. These high

Cisco SFP Modules for Gigabit Ethernet Applications

1000BASE-EX SFP for long-reach single-mode fibers The 1000BASE-EX SFP operates on standard single-mode fiber-optic link

02313URF

Huawei 02313URF SFP-GE-LX-SM1310 Optical Transceiver, eSFP, GE, Single-mode Module (1310nm, 10km, LC) Brand: Huawei

Optic Modules Datasheet

datasheet is intended to guide the user through the various options available when choosing an optic module for a given platform

SFP Module – Optcore

Our transceiver modules are available for commercial and industrial applications, supporting varying distances from 500m to 160km,

Huawei GE Optical Modules

Huawei SFP-GE-LX-SM1310 Optical Transceiver, eSFP, GE, Single-mode Module (1310nm, 10km, LC) 02315200

Huawei GE Optical Modules

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

1.25 Gbit/s SFP/eSFP Optical Module

You can use different levels of 1.25 Gbit/s SFP/eSFP optical modules with GE interfaces and 10 GE interfaces. The

SFP-GE-LX-SM1310 (02315200)

Important Notes About Using Optical Modules Certified for Huawei Switches
Understanding Optical Modules Understanding Copper

02315200

And the Huawei SFP-GE-LX-SM1310 Optical Transceiver, eSFP, GE, Single

Types of Optical Modules

Optical modules are encapsulated in different modes to provide different structures. Huawei S series devices support optical modules

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-GE-LX-SM1310, Huawei SFP-GE-LX Series

Provides reliable 1.25Gbps single-mode uplinks for campus and branch switches, cutting fiber upgrade

SFP Optical Transceiver | SFP Optical Module | Perle

Perle SFP Optical Transceivers are hot-swappable, compact media connectors that provide instant fiber connectivity for your

Huawei 02313URF Datasheet

Huawei 02313URF Datasheet Huawei 02313URF SFP-GE-LX-SM1310 Optical Transceiver, eSFP, GE, Single-mode Module (1310nm,

Single-mode vs Multimode SFP, What's the Difference?

In the optical communication industry, single-mode SFP and multi-mode SFP are the two

Cisco SFP Modules for Gigabit Ethernet Applications

This data sheet describes the benefits, specifications, and ordering information for the

Contact Us

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