

Single-mode optical module SFP-GE



Article Overview

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

Bidirectional (BIDI) Operation...

Article Content

GE eSFP Optical Modules

This document provides an overall description of the CE12800 series switches hardware, helping you obtain detailed information

Small Form-factor Pluggable

Small Form-factor Pluggable Small Form-factor Pluggable connected to a pair of fiber-optic cables Small Form-factor Pluggable

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

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

[Product Hub] Single Mode SFP Transceiver | Optcore

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

Optical Modules for Huawei S Series Switches

Multi-mode optical modules are applicable to short-distance transmission, while single-mode optical modules are applicable to long

Types of Optical Modules

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

SFP GE SFP Guide

Single-Mode Optical 1000BaseLX SFP Interface per ODU Speed: 1 G Mode: Single Wavelength: 1310nm Kit Contents: SFP Module,

Huawei Optical Transceiver eSFP GE Single-Mode Module

The Huawei eSFP GE Single-Mode Module 1310 nm 10 km LC delivers reliable 1 Gbps fiber connectivity for long-distance networks.

Singlemode: Transceiver Lösungen & Einsatzbereiche

Singlemode: Transceiver Lösungen von Fiber24. Individuell ideal für große Entfernungen flexibel Hier bei Fiber24 entdecken und

Understanding Single-mode and Multi-mode SFP Optical Modules

Any SFP single-mode optical modules and SFP multi-mode optical modules are incompatible. If you mix SFP single-mode optical

SFP-GE-LX-SM1310-BIDI-HW

The Huawei Optical Transceiver, eSFP, GE, BIDI Single-mode Module (TX1310/RX1490, 10 km, LC) is guaranteed 100% Compatible

SFP-GE-LX-SM1310 (02315200)

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

SFP Module Multimode & Singlemode | Serverschrank24

SFP Module Sie haben Glasfaserkabel, wollen jedoch innerhalb Ihres Netzwerks Kupferkabel verwenden. Dann brauchen Sie ein

1Gbps eSFP Optical Modules

This document provides technical details about 1Gbps eSFP Optical Modules, including specifications and support information.

Contact Us

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