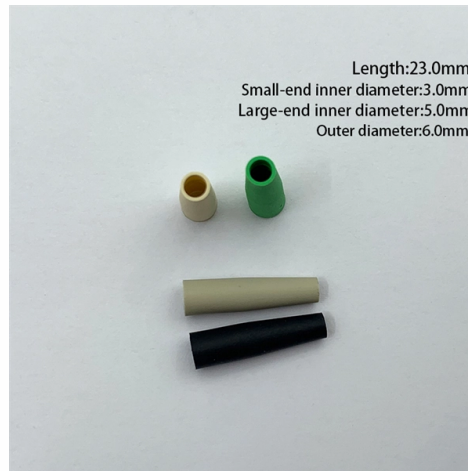


SFP Long-Distance Optical Transceiver



AI Overview

Genuine SFP long-distance optical transceivers are factory-new, OEM-certified modules designed for reliable high-speed fiber optic connectivity over extended distances. Overview of Genuine SFP Transceivers SFP (Small Form-Factor Pluggable) transceivers are hot-swappable modules that connect network devices such as switches and routers to fiber optic networks. Long-distance SFPs are typically single-mode optical modules capable of transmitting data over distances ranging from 10 km up to 70 km or more, depending on the model and fiber quality. Common standards include 1000BASE-LX/LH, 1000BASE-EX, and 1000BASE-ZX, with optical link budgets designed to ensure stable performance over extended spans (up to 70 km for 1000BASE-ZX) on single-mode fiber. Key Features of Genuine Products Factory-New and OEM-Certified: Genuine transceivers from brands like Cisco, HPE, Finisar, Huawei, and Juniper are guaranteed to be original, ensuring full compatibility and reliability. Hot-Swappable: Modules can be inserted or removed without powering down the network device, minimizing downtime. Digital Optical Monitoring (DOM): Many genuine SFPs include DOM capabilities to monitor real-time parameters such as optical power, temperature, and voltage. Wide Compatibility: Original SFPs are tested for interoperability with the manufacturer's switches, routers, and other networking equipment, reducing the risk of errors or network instability. Extended Distance Support: Long-distance SFPs support single-mode fiber spans from 10 km (LX/LH) to 40 km (EX) and up to 70 km (ZX), with proper optical attenuation and fiber quality considerations. Where to Purchase Genuine SFP Transceivers GenuineModules.com: Offers a full range of factory-new, genuine optical transceivers including SFP, SFP+, SFP28, QSFP+, and QSFP28. They provide worldwide shipping, low prices, and a satisfaction guarantee. Cisco Official Channels: Cisco provides detailed datasheets and specifications for their SFP modules, ensuring users select the correct module f...

Article Content

SFP Module – Optcore

SFP module is a small form factor, compact, hot-pluggable optical transceiver, also called mini-GBIC. Our SFP module comply with the SFF-8472 MSA (Multi-Sourcing Agreement), CE, FCC, RoHS, and

The Ultimate Guide to SFP Optical Transceivers for

Learn all about SFP optical transceivers for high-speed networks, including a variety of options such as LC interface, duplex, and compatibility with

OEM-compatible optical transceivers & cables

We provide high-quality OEM-compatible optical transceivers and cables that are rigorously tested for performance and compatibility with leading networking equipment.

SFP Transceiver Guide: Definition, Types, and Selection

As modern Ethernet, data center, and fiber-optic networks continue to scale, network connectivity has increasingly shifted from fixed interfaces to modular, hot-pluggable transceiver designs. This

100G QSFP28 BIDI 30KM

It is designed for high-capacity data center interconnects (DCI), metro aggregation, and environments with fiber constraints requiring efficient long-distance transmission without compromising performance.

FS Industrial SFP Transceiver: Reliable 1G SFP Transceiver for Long ...

Discover the FS Industrial SFP transceiver with 1G connectivity, 10km long-distance transmission, wide temperature design, and reliable compatibility for industrial networks.

Transceivers

Transceivers The Hirschmann line has a variety of transmitter and receiver options available, allowing users to choose the correct transceiver for each link in order to provide the required optical reach

SFP Transceivers

SFP Transceivers SFP transceivers provide reliable, compact, and flexible fiber-optic and copper connectivity for networks that require efficient data transmission and scalable bandwidth. These

Finisar FTLF1318P3BTL | 1G LR Universal SFP Transceiver

Finisar 1G SFP LR Universal Transceiver, 1310nm, -40 to 85°C, LC-Duplex, Singlemode, 10km, Multi-Vendor.

Optical Transceiver Modules Prices & Specifications

Later on, vendors generally changed to use XFP modules for longer distances, and SFP+ modules for high density. As escalating demand for higher speed and

10GE SFP+ Optical Modules

CloudEngine 12800 and 12800E Series Switches Hardware Description This document provides an overall description of the CE12800 series switches hardware, helping you obtain detailed information

Optical Transceivers

This innovative solution enables more simplified and reliable edge and data center networks aligned with a standards-based ecosystem and can help eliminate

Ultimate Guide to SFP+ Modules: Types, Applications, and Selection

SFP+ transceiver modules are an advanced iteration of the Small Form-factor Pluggable (SFP) interfaces designed to support faster data rates and more extraordinary link lengths. These

Fortinet Transceivers Data Sheet

Fortinet Transceivers Transceiver Modules for Fortinet Products Fortinet's range of pluggable copper and optical transceiver modules are designed to complement Fortinet appliances that support

Cisco SFP Modules for Gigabit Ethernet Applications Data Sheet

Cost-effective Small Form-Factor Pluggable (SFP) transceivers for Gigabit Ethernet applications Product overview The industry-standard Cisco Small Form-Factor Pluggable (SFP)

Official BlueOptics SFP manufacturer

Buy BlueOptics SFP, SFP+, QSFP and QSFP28 transceivers, DAC and AOC cables directly from stock. Shipping today.

The Ultimate Guide to SFP Modules (2026): Types, Speeds

Confused by SFP vs SFP+? Read the definitive 2026 guide on SFP modules. We explain Single Mode vs Multimode, DDM diagnostics, and how to choose the right transceiver for Cisco, Juniper, and more.

Genuine Transceiver Modules

100% Genuine Guaranteed: All optical transceiver modules we sell at GenuineModules are factory new and genuine products. We do not sell

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.

Arista Optics Modules and Cables

To accommodate an increasing spectrum of applications, Arista offers a wide choice of OSFP, QSFP-DD, QSFP, SFP, SFP-DD and DSFP transceivers and cables that comply with industry standards,

SFP & SFP+ Transceiver Modules | 1G, 10G, 25G, 40G

Explore Lantronix's full lineup of Duplex SFP transceivers — MSA-compliant modules supporting multimode and single-mode fiber across a wide range of

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

SFP transceivers are valued for their flexibility, low power consumption and ability to support both single-mode and multimode fiber, making them ideal for short-range

What is the difference between sfp module lr and sr?

SFP Module SR: Short-Range optical transceiver for distances up to 300m. The main difference between SFP module LR (Long-Range) and SR (Short-Range) lies in the distance they can transmit

Long-Haul Transceiver Modules for Transmission Network

FS offers a full range of long-haul transceivers for transmission network, above 10km transmission distance. Purchase from nearby warehouses. 30-Day Free Return.

Sonnet SFP28 10/25Gb Long-Range Transceiver - Sonnet Online

Optical long-range SFP28 transceiver module for networking adapters, PCIe cards, switches, and storage systems. Enables long-range 25Gb or 10Gb Ethernet network connection at up to 10

Genuine Transceiver Modules

Buy genuine transceiver modules of Brocade, Cisco, Finisar, HPE, Huawei, Intel, Juniper and more from GenuineModules with best price and fast worldwide shipping.

Cisco SFP: Unlocking the Power of Optical Transceiver

Essential system components in data networks today is the Optical Transceiver Module as it permits the sending and receiving of data to and fro

Contact Us

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