Gigabit Single-Fiber SFP Optical Module



Overview

A gigabit SFP module (1G SFP module) is a Small Form-factor Pluggable (SFP) transceiver designed to support 1Gbps Ethernet transmission by converting electrical signals from a network device into optical or electrical signals suitable for the selected transmission medium. The hot-swappable input/output device plugs into a Gigabit Ethernet port or slot. Optical and copper models can be used on a wide variety of Cisco. The new Intellinet Network Solutions Small Form Factor Pluggable (SFP) Transceiver provides the best combination of performance and affordability. The. FS gigabit ethernet transceiver solutions provide fibre or copper options including 1000BASE-SX, 1000BASE-LX/LH, 1000BASE-T etc., from 100m to 160km, for 1G switches, routers, servers, NICs and other transmission equipment.

Article Content

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.

Gigabit Fiber SFP Optical Transceiver Module

FS gigabit ethernet transceiver solutions provide fibre or copper options including 1000BASE-SX, 1000BASE-LX/LH, 1000BASE-T etc., from 100m to 160km, for

Cisco SFP Modules for Gigabit Ethernet Applications

© 2026 FD SOLUCIONES OPTICAL SYSTEMS - All rights reserved

The 1000BASE-ZX SFP operates on standard single-mode fiber-optic link spans of up to approximately 70 km in length. The SFP provides an optical link budget of 21 dB, but the precise link span length

Gigabit SFP Module: A Complete Guide to 1G SFP Transceivers

Learn what a gigabit SFP module is, how it works, main types, key specifications, and common use cases to choose the right 1G SFP for your network.

Gigabit Fiber SFP Optical Transceiver Module

The transceiver comes in a mini-GBIC form factor, making it ideal for environments that require many fiber connections by taking up less space in your cabinet

Optic Modules Datasheet

datasheet is intended to guide the user through the various options available when choosing an optic module for a given platform depending on the architecture. The following table lists the different

Small Form-factor Pluggable

SFP+ supports 8 Gbit/s Fibre Channel, 10 Gigabit Ethernet and Optical Transport Network standard OTU2. It is a popular industry format supported by many

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

BiDi (Bidirectional) SFP – Single-fiber SFP modules for FTTH and fiber-efficient networking, allowing both transmit and receive signals to travel over a single

Fiber Modules

All of them are hot-pluggable small-form factor transceiver modules integrated with the high sensitivity PIN receiver and signal conditioner for 1.25/10 Gigabit Ethernet applications. SFP modules support

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 networking, available in both single-mode and multimode

Differences Between Optical Modules SFP, SFP+, CFP, XFP, QSFP?

In addition, there are long-reach WDM SFP transceivers for multiplexing, simplex SFPs for single-fiber applications, video SFP transceivers for transmitting high-definition video, and PON

Allied Telesis AT-SPBD40-14/1 SFP (mini-GBIC) Module

© 2026 FD SOLUCIONES OPTICAL SYSTEMS - All rights reserved

Description Together, the Allied Telesis ATSPBD40-13/I and AT-SPBD40-14/I offer the latest industry standard in flexible, bidirectional Gigabit Ethernet connectivity. Generally deployed as a pair, these

What Is an SFP and How It Works Explained

For those getting started with SFP''s, it is important to understand how frequently SFP modules can be used to bridge communications between devices. From there, it''s just a matter of matching the SFP

Cisco Compatible SFP Transceiver Fiber Optic Equipment 1.25G Gigabit ...

Cisco Compatible SFP Transceiver Fiber Optic Equipment 1.25G Gigabit BiDi Single Fiber 20KM SC Port Optical Module for Switch

Gigabit single-mode single-core fiber optic module

Gigabit single-mode single-core optical fiber modules usually have the following specifications: multi-mode 550m, single-mode 15km, 40km, 80km, 120km, etc. In addition to the

Type-C Gigabit Fiber Ethernet Network Adapter Gigabit Single Mode Optic ...

Type-C Gigabit Fiber Ethernet Network Adapter Gigabit Single Mode Optic Module NIC RTL8153 Popis : SFP LCx 1 Bus Type: Type-c Transmission Rate: 1000Mbps Chipset: for Realtek RTL8153 LEDs

SFP-10G-BX60U-I-A | C2g® Ortronics Cisco Sfp+ Module

Ortronics Cisco SFP+ Module - For Optical Network, Data Networking - 1 x LC Duplex 10GBase-BX Network - Optical Fiber - Single-mode - 10 Gigabit Ethernet - 10GBase-BX - 10 Gbit/s - 60 km

huijue-4-port-10-gigabit-optical-switch

All Companies and suppliers for huijue-4-port-10-gigabit-optical-switch Find wholesalers and contact them directly Leading B2B martketplace Find companies now!

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

© 2026 FD SOLUCIONES OPTICAL SYSTEMS - All rights reserved

Contact Us

Continue your research online:

Website: https://fdsoluciones.es
Technical inquiry: https://fdsoluciones.es/project-enquiry.html

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

© 2026 FD SOLUCIONES OPTICAL SYSTEMS - All rights reserved