Small Gigabit 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. 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. Click to get your 1GBE transceiver modules from nearby warehouses. An SFP interface on networking hardware is a modular slot for a media-specific transceiver, such as for a fiber-optic cable or a copper. Smartoptics SFP modules are for running various optical data communications such as 1/2G FC, Fast Ethernet and Gigabit Ethernet.

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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.

1G SFP Transceivers | Mini-GBIC SFP Modules

Click to get your 1GBE transceiver modules from nearby warehouses. 30-Day Free Return. Trusted by 260K+ Enterprise Users.

Gigabit Fiber SFP Optical Transceiver Module

The new Intellinet Network Solutions Small Form Factor Pluggable (SFP) Transceiver provides the best combination of performance and affordability. This mini-GBIC (Gigabit Interface Converter) module

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

An SFP (Small Form-factor Pluggable) transceiver is a compact optical module designed for high-speed networking applications across enterprise, data center

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

The SFP (Small Form-factor Pluggable) is a compact, hot-pluggable optical transceiver module used for telecommunication and data communications

Optic Modules Datasheet

Features and Benefits The following table lists the different pluggable optic modules and supported platforms, along with the technical specifications for each.

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.

1G SFP Mini GBIC | SFP Transceiver Modules

Buy QSFPTEK 1G SFP (small form factor pluggable) with wide selection of 200+ brands compatible, 1000base-sx SFP, 1000base-lx SFP, 1000base-t SFP and 10/20/40/80km.

D-Link 10 Gigabit Ethernet Optical Transceiver Multimode 10GBASE

GENUINE OPTICAL TRANSCEIVER - Enhanced Small Form-Pluggable (SFP+) form factor. A compact, hot-pluggable network interface module format used for both telecommunication and data

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100GBASE QSFP-100G Modules Data Sheet

The Cisco® 100GBASE Quad Small Form-Factor Pluggable (QSFP) portfolio offers customers a wide variety of high-density and low-power 100

KD Tech — High-Speed Optical Connectivity

KD Tech designs semiconductor ICs for multi-gigabit optical networking over fiber optics. Solutions for automotive, industrial, and consumer connectivity.

What Is an SFP Optic Module and How Does It Work

A small form-factor pluggable, or SFP optic module, helps connect network devices fast. You can use an SFP optic module to turn electrical signals

An introduction to SFP ports on a Gigabit switch

An SFP module, or transceiver, acts as a converter between the network switch and a fiber optic or Ethernet cable. For example, it converts electrical signals to optical signals for fiber

Optical Transceivers | Coherent

Get the pluggable module performance you need from the manufacturer of choice for all major networking equipment vendors worldwide.

What is QSFP & QSFP+ Transceiver: An Ultimate

What is a QSFP & QSFP+ Transceiver? QSFP stands for Quad Small Form-factor Pluggable. By integrating four-lane signals into a single

What is SFP Module and How to Choose it□

Ethernet SFP Module: What Is It? Ethernet SFP module, known for its compact, small form-factor pluggable design, also referred to as a mini-GBIC

SFP-1G-SX Explained: The Essential Guide to 1G

The SFP-1G-SX module is a proven, reliable, and cost-effective solution for 1 Gigabit short-range fiber optic connectivity. Understanding its

Industrial Gigabit Fiber SFP Optical Transceiver

Also known as a mini-Gigabit Interface Converter (GBIC), this industrial SFP module''s metal housing offers increased durability while reducing

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