

Small Square Gigabit Optical Module



Overview

Ethernet SFP module, known for its compact, small form-factor pluggable design, also referred to as a mini-GBIC (gigabit interface converter), is a compact modular transceiver employed across network switches and servers. The hot-swappable input/output device plugs into a Gigabit Ethernet port or slot. Because of its smaller size and ability to support high-speed communications. An SFP module (Mini GBIC) from Intellinet provides fiber connectivity up to 80 km (or nearly 50 miles) for your networking and PoE switches. SFP Transceivers are designed for use in space-constrained applications, such as media converters, blade servers, Ethernet switches and other high-density. SFP module is a compact, hot-pluggable optical transceiver module widely used for telecommunication and data communications. The SFP transceiver module is not standardized by any official standards body but rather by a multi-source. Smartoptics SFP modules are for running various optical data communications such as 1/2G FC, Fast Ethernet and Gigabit Ethernet. An SFP (Small Form-factor Pluggable) transceiver is a compact optical module designed for high-speed networking applications across enterprise, data center and telecom. Juniper Networks® has platforms ranging from the Juniper Networks CTP Series Circuit to Packet Platforms, BX Series Multi-Access Gateways, E Series Broadband Services Routers, M Series Multiservice Edge Routers, MX Series 3D Universal Edge Routers, to the T Series Core Routers.



Article Content

Sep 03, 2025

What is SFP Module and How to Choose it

Ethernet SFP module, known for its compact, small form-factor pluggable design, also referred to as a mini-GBIC (gigabit interface converter), is

Jan 18, 2026

Microsoft Word

Electrical interface compliant with SFF-8431 specifications for enhanced 8.5 and 10 Gigabit small form factor pluggable module "SFP+". 850 nm VCSEL transmitter, PIN photo-detector. 2-wire interface for

Dec 05, 2025

SFP Transceivers (Mini GBIC)

Mini GBIC SFP modules by Intellinet range from Gigabit Ethernet to 10 Gigabit speeds and provide LC as well as RJ45 connectors for distances of up to 80 km (50 miles). MSA, Cisco and Hewlett Packard

Apr 18, 2026

Understanding SFP, Optical Modules, and Gigabit

Discover the features of SFP, optical modules, and gigabit transceivers for fast data transmission and network connectivity.

Jul 18, 2025

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.

May 25, 2026

FS SFP module family for Gigabit Ethernet Applications

Learn about FS 's comprehensive range of 1G SFP optical module products, including copper and regular fiber optical transceivers, CWDM,

Sep 06, 2025

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

Mar 31, 2026

Introducing the 1G SFP Module: Enhancing Network

One such innovation is the 1G SFP (Small Form-Factor Pluggable) module, a fiber optic transceiver that enables gigabit Ethernet and optical

Jan 20, 2026

GPON SFP Modules Explained: Types, Applications,

GPON SFP (Gigabit Passive Optical Network Small Form-Factor Pluggable) modules are compact, hot-pluggable transceivers used in optical

Feb 21, 2026

SFP Module: What's It and How to Choose It?

SFP module is a compact, hot-pluggable optical transceiver module, which is widely used for both telecommunication and data communications

Sep 24, 2025

Optic Modules Datasheet

4 Optic Modules Data Sheet ... SFP (form factor) = small form-factor pluggable transceiver SMF (media) = single-mode fiber-optic MMF (media) = multimode fiber-optic XFP (form factor) = 10-gigabit small

May 06, 2026

10G SFP+ Optical Transceivers | Transceiver Module

FS 10GbE SFP+ module solutions provide a wide variety of 10 Gigabit Ethernet connectivity options for data centers, enterprise wiring closets, Internet Service

Jun 27, 2025

Pluggable Transceivers Installation Guide

Extreme Networks switches and routers support SFP (small form factor pluggable) interface modules, also known as mini-GBICs. The topics in this section pertain to

Oct 06, 2025

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

Aug 29, 2025

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

Oct 13, 2025

Demystifying SFP28: The Essential Guide to 25G

SFP28 is a 25G transceiver module for fast, efficient data transfer in modern networks, offering high speed, compatibility, and energy savings.

Oct 23, 2025

10 Gigabit Fiber SFP+ Optical Transceiver Module

This 10 Gigabit Fiber SFP+ Optical Transceiver Module supports standard digital diagnostics monitoring (DDM) functions, also known as digital optical monitoring

Aug 14, 2025

10 Gigabit Fiber SFP+ Optical Transceiver Module

10GBase-LR Gigabit Fiber SFP+ Optical Transceiver Module The line of Intellinet Network Solutions Enhanced Small Form Factor Pluggable (SFP+) Transceivers provides customers with a combination

Jan 31, 2026

What is SFP Module? An Ultimate Guide (2024)

An SFP module is a small, pluggable optical transceiver that fits into the SFP port of a networking switch or other device. Sometimes, it is known as

Jul 26, 2025

SFP28 25G SR Optical Modules: High-Performance Network Solution

The SFP28 25G SR is a small form-factor pluggable optical transceiver that provides a high-speed solution for 25 Gigabit Ethernet and Infiniband Enhanced Data Rate applications.

Sep 23, 2025

Understanding SFF Transceivers in Modern Networking

In the vast ecosystem of fiber optic transceivers, pluggable modules like SFP, QSFP, and OSFP get most of the attention. However, for many mission

Aug 30, 2025

Industrial Gigabit Fiber SFP Optical Transceiver Module,

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

Mar 07, 2026

Cisco 10 Gigabit Modules

Cisco 10 Gigabit Modules Overview Cisco offers a broad range of Industry compliant Xenpak, X2 and XFP modules for 10 Gigabit Ethernet deployments. Xenpaks are

Jul 30, 2025

Overview of SFP Gigabit Optical Module

The SFP (Small Formfactor Pluggable) gigabit optical module is a critical component in optical communication systems, used to achieve optical-to-electrical conversion.

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SFP GBIC Modules | Mini GBIC Fiber Modules | Versitron

Get mini GBIC modules at Versitron for switches and media converters equipped with SFP connections. Variety of GBIC fiber modules are available online.

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.regen-power.co.za>

Email: info@regen-power.co.za

Phone: +49 176 845 2036

Address: Taunusanlage 15, 60325 Frankfurt am Main, Germany

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