

SFP optical port module

Overview

The SFP was designed after the GBIC interface, and allows greater port density (number of transceivers per given area) than the GBIC, which is why SFP is also known as mini-GBIC. Overview Small Form-factor Pluggable (SFP) is a compact, network interface module format used for both and applications. An SFP interface on. SFP transceivers are available with a variety of transmitter and receiver specifications, allowing users to select the appropriate transceiver for each link to provide the required optical or electrical reach over. Quad Small Form-factor Pluggable (QSFP) transceivers are available with a variety of transmitter and receiver types, allowing users to select the appropriate transceiver for each link to provide the required optical reach over.



Article Content

Apr 23, 2026

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 and telecom environments.

Dec 14, 2025

Learn how to choose the right SFP module for your network. Avoid ...

Learn how to choose the right SFP module for your network and avoid common compatibility mistakes. This practical guide explains SR vs LR, singlemode vs multimode, ...

Dec 04, 2025

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 the mini-GBIC (gigabit interface ...

Jul 12, 2026

SFP Optical Transceivers

Advantech's Small form-factor pluggable (SFP) transceiver modules provide a variety of speed, distances, and wavelengths to fit any need.

Nov 15, 2025

SFP Optical Transceiver | SFP Optical Module | Perle

Perle SFP Optical Transceivers can be used and interchanged on a wide variety of Cisco or MSA compliant SFP products. They can be intermixed in combinations of 1000BASE-SX, 1000BASE ...

Dec 10, 2025

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

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.

Oct 16, 2025

Transceivers Explained: SFP vs SFP+ vs SFP28 vs QSFP+ vs QSFP28

In this guide, we break down the differences between these modules and help you make the best decision for your infrastructure—whether you're upgrading a legacy system, increasing the ...

Jul 18, 2026

Small Form-factor Pluggable

The SFP was designed after the GBIC interface, and allows greater port density (number of transceivers per given area) than the GBIC, which is why SFP is also known as mini-GBIC.

Jun 13, 2026

How to Choose an SFP Optical Module?

This guide explains how to choose an SFP optical module. It compares types like single-mode (long-distance), multimode (short-distance), RJ45 electrical ports, and fixed cables (DAC/AOC).

Dec 04, 2025

What Is an SFP Module? — Complete Guide to SFP, SFP+ & SFP28

SFP modules are removable, standardized optical transceivers that enable modular media deployment. They convert signals between electrical and optical media and can support ...

Contact Us

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