

SFP28 Optical Module Interface



Overview

SFP28 is a 25 Gbit/s interface which evolved from the 100 Gigabit Ethernet interface which is typically implemented with 4 by 25 Gbit/s data lanes. Identical in mechanical dimensions to SFP and SFP+, SFP28 implements one 28 Gbit/s lane accommodating 25 Gbit/s. Enter the SFP28 transceiver, the crucial bridge technology delivering cost-effective, high-density 25 Gigabit per second (25G) connectivity. But what is SFP28 exactly, and why has it become a cornerstone of modern network upgrades?

This guide dives deep into SFP28 technology, its various types. The Cisco ® 25GBASE SFP28 (Small Form-Factor Pluggable) portfolio offers customers a wide variety of high-density and low-power 25 Gigabit Ethernet connectivity options for data center and high-performance computing networks applications. The 25G Modules are based on SFP28 form factor. 25G Direct. Get it 20 Jul, 20262824 in Global Warehouse. Get it 31 Jul, 2026 548 in DE. 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 cable. Interoperable. Intel® Ethernet SFP28 Optics are an excellent choice for high-speed communications equipment where extraordinary performance and reliability are essential. When used with Intel® Ethernet Network.



Article Content

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Cisco 25 Gigabit Modules

The Cisco ® 25GBASE SFP28 (Small Form-Factor Pluggable) portfolio offers customers a wide variety of high-density and low

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

What Is SFP Module? SFP module is a compact, hot-pluggable optical transceiver module, which is widely used for

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SFP28 vs SFP+ Transceiver, What is the Difference?

It has the same form factor and appearance as the SFP+ but supports up to 28Gbps electrical interfaces per channel.

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SFP28 A 25 Gbps small form-factor hot-pluggable optical module ...

It is an upgraded version of SFP. Its physical form factor is compatible with SFP+ and can be inserted into an SFP+ port for operation

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

Explore the benefits of SFP28 25G SR optical modules for fast, cost-effective connectivity in data centers, enterprise

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Cisco 25GBASE SFP28 Modules Data Sheet

Cisco SFP28 to SFP28 copper direct-attach 25GBASE-CR1 cables are suitable for very short links and offer a highly

May 26, 2026

An In-depth Guide to 25G SFP28 Optical Transceiver Modules

The 25G optical transceiver, particularly the 25G SFP28 optical transceiver module, represents a versatile, future-ready solution for

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

SFP28 modules are widely used for 25G server uplinks, while higher-speed optics are aggregated at the spine. This model simplifies

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SFP28 optical transceiver modules

SFP28 optical transceiver modules SFP28 ports are 25G speed ports and similar in size to a 10G SFP+ or 1G SFP port. They have

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SFP28-25GBase-ER-S Datasheet | FluxLight

Product Description The SFP28 40KM transceivers is a very compact optical transceiver module converts 25Gbit/s serial CML

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SFP Transceivers: SFP, SFP+, SFP28

SFP for Gigabit Ethernet Copper-based SFP modules using Gigabit Ethernet (1000BASE-T and 1000BASE-TX) networking have a

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25G SFP28 Transceiver Module Types and Applications

25G Standard SFP28 Transceiver Module The SFP28 transceiver modules are key components in high-speed optical

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SFP vs SFP+ vs SFP28 vs QSFP+ vs QSFP28 vs QSFP-DD vs

Optical transceiver modules play a crucial role in modern high-speed data communication networks. These compact

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What Is an SFP Optical Module? Guide | PHILISUN

What Is an SFP Optical Module? Types and Speeds The complete technical guide to SFP optical modules (SFP,

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25G SFP28 Optical Transceivers | Transceiver Module

FS 25G SFP28 optical transceiver solutions offer a wide variety of high-density and low-power connectivity options for 25 Gigabit

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Cisco 25GBASE SFP28 Modules Data Sheet

Cisco SFP28 to SFP28 Active Optical Cables are direct-attach fiber assemblies with SFP connectors. They are suitable for very short

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Common optical module package types: SFP, SFP+, SFP28, QSFP+,

Choose optical modules that support the appropriate speed for your application, such as 1Gbps, 10Gbps, 25Gbps,

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Alpha Bridge SFP ASFP28-25G SR Datasheet

The module optical connection is duplex LC and shall be compatible with SFP+ 28Gbps and backward compatible with legacy 10G

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SFP vs SFP28 vs QSFP – Key Differences for Data Centers

There are five form factors: SFP, SFP+, SFP28, QSFP+, and QSFP28. They are different optical transceiver types, but

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

Are you confused by the difference between SFP, SFP+, SFP28, QSFP+, and QSFP28 transceivers? You're not alone. As networks

Oct 17, 2025

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

This modular approach enhances deployment flexibility, increases port density, and simplifies maintenance compared with fixed,

Apr 08, 2026

Intel® Ethernet SFP28 Optics

When used with Intel® Ethernet Network Adapters with SFP28 connectivity, these optics provide more secure connections for

Mar 29, 2026

25G SFP28 Optical Transceiver Modules

FS 25G SFP28 transceiver solutions offer a wide variety of high-density and low-power 25 Gigabit Ethernet

Contact Us

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