

How to check the size of an SFP optical module



Article Overview

SFP (Small Form-factor Pluggable) optical modules are compact, standardized transceivers designed to fit into modular network ports, typically measuring about 13.4 mm × 56.5 mm × 8.5 mm.

Physical Dimensions and Form Factor

SFP modules are defined by the Multi-Source Agreement (MSA), which standardizes their mechanical dimensions, pinout, and electrical interfaces to ensure compatibility across different vendors and devices . The typical SFP module has a width of approximately 13.4 mm, a length of 56.5 mm, and a height of 8.5 mm, making it significantly smaller than the older GBIC modules, which were roughly twice the size . This compact size allows for high port density in switches, routers, and other network equipment.

Variants and Compatibility

- SFP: Supports 1–4 Gbps speeds, commonly used for Gigabit Ethernet and Fibre Channel .
- SFP+: Supports up to 10 Gbps, maintaining the same physical dimensions as standard SFP for backward compatibility .
- SFP28: Supports 25 Gbps, also adhering to the same MSA dimensions, allowing it to fit in SFP slots while providing higher data rates . All SFP modules are hot-pluggable, meaning they can be inserted or removed without powering down the host device,...

Article Content

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Small Form-factor Pluggable

The physical dimensions of the SFP transceiver (and its subsequent faster variants) are narrower than the later

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What size is QSFP?

Common SFP module dimensions are 56.5mm x 13.7mm x 8.5mm, where 13.7mm is the width of the module, 8.5mm is the height,

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View the Optical Module Status on a Switch

Cisco SFP-H10GCU1m Cisco SFP-H10GCU3m Cisco SFP-H10GCU5m This article provides instructions on how to

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How to Use Cisco Command to See SFP Module Details?

Q5:How to select a compatible SFP module for Cisco devices? Check your device model and software version (show version), then

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What Is an SFP and How It Works Explained

What is SFP? SFP meaning refers to "small form-factor pluggable," a compact, hot-swappable device used in modern networks.

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How to Test An SFP Transceiver. Fiber optical modules are ...

How to Test An SFP Transceiver Fiber optical modules are extremely important in today's optical fiber communication

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How to Tell if My SFP is Single-Mode or Multimode?

Discover how to identify if your SFP (Small Form-factor Pluggable) module is single-mode or multimode. Look for SM

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View the Optical Module Status on a Switch through the Command

The Cisco Small Business Series Switches allow you to plug in a Small Form-factor Pluggable (SFP) transceiver in their optical

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How to choose the right SFP module ?

Discover how to choose the right SFP module for your fiber optic network in 5 key steps: compatibility, environment, fiber type,

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Cisco Command to Check SFP Module Details

For network engineers, knowing how to view and interpret SFP information from the Cisco

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How to check SFP Module transceiver, Vendor name & power check

Optic fiber SFP Issue How to check SFP Module transceiver, Vendor name & power check details in RHEL? Resolution SFP stands

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View the Optical Module Status on a Switch

Objective The Cisco Small Business Series Switches allow you to plug in a Small Form-factor Pluggable (SFP) transceiver in their

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How do i know what type of sfp i have?

When dealing with networking equipment, understanding the type of Small Form-factor Pluggable (SFP) transceiver you have is

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How to Install and Remove Optical Modules Safely

Small Form-factor Pluggable modules (SFP module) are the workhorses of modern network connectivity, enabling

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What Is an SFP Optical Module? Guide | PHILISUN

Learn SFP optical module types, speeds, reach, fiber connectors, coding and compatibility

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SFP module specification and selection guide (EN)

SFP modules provide LC connectors. Fiber cables are offered on option to connect to distribution frames and convert to other types

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Cisco Command to Check SFP Module Details

Learn Cisco commands like show inventory and show interface transceiver detail to monitor SFP modules, DDM

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Overview of SFP Gigabit Optical Module

Select a suitable SFP optical module based on network requirements and transmission distance, considering factors

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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

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Optic Modules Datasheet

Features and Benefits The following table lists the different pluggable optic modules and supported platforms, along with the

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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

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What Is an SFP Optic Module and How Does It Work

SFP optic modules convert electrical to optical signals for fast, long-distance data transfer. Hot-swappable, versatile,

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How to choose an optical fiber link and an SFP module?

For example, SFP modules (Small Form-Factor Pluggable) are among highly demanded types and have embedded

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Optical Transceiver Datasheet Guide: SFP Specs & PDF Downloads

Learn how to read an optical transceiver datasheet, understand SFP specifications, compare 1G/10G modules, and choose

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SFP Modules Explained: Definition, Key Features & Uses

Compared to earlier GBIC modules, SFP modules are half the size and consume less

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How do I check the optical signal strength of an SFP

When the SFP+ module and the switch are connected, the optical signal strength is the key

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Displaying Optical Module Information

The optical module cannot be installed in an optical interface because the optical module structure is nonstandard. The structure and

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What Is an SFP Optical Module? Guide | PHILISUN

Understand the core function, compare data rates (1G to 25G), learn critical compatibility rules, and follow our 5-step

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SFP Optical Module Specifications: Standards & Performance

This guide dives into the key SFP Optical Module Specifications that engineers, network architects, and procurement

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What Is an SFP Module? Complete Guide

SFP modules, or Small Form-factor Pluggable modules, are essentially the workhorses of

Contact Us

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