

QSFP package dimensions for optical modules



Overview

The QSFP package adopts a compact design with dimensions of approximately 58. As one of the core packaging types of optical modules, the QSFP form factor covers data rates from 40G to 800G, making it an indispensable product type in data centers, cloud computing, and other fields. QSFP, short for Quad Small Form-factor Pluggable, is a four-channel small form-factor pluggable. The Cisco 100GBASE Quad Small Form-Factor Pluggable (QSFP) portfolio offers customers a wide variety of high-density and low-power 100 Gigabit Ethernet connectivity options for data center, high-performance computing networks, enterprise core and distribution layers, and service provider. Cisco ® 400G QSFP112 modules deliver high-performance, power-efficient connectivity optimized for AI/ML fabrics, high-performance computing, and modern data center networks. Built on 100G-per-lane PAM4 signaling, Quad Small Form-factor Pluggable (QSFP)112 enables 400 Gigabit Ethernet in a compact. SFP (Small Form-factor Pluggable) module is one of the most commonly used optical modules, and its size standard is set by the SFF (Small Form-Factor) committee. 7mm is the width of the module, 8. 4 (Jan 2025), to help you design robust, scalable optical fabrics. The Master Reference Matrix: SFP vs.



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

The diversity of optical transceivers is reflected in various connector types and form factors, including SFP, SFP+,

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Comprehensive Guide to QSFP – MapYourTech

QSFP modules utilize a high-density card-edge connector providing both high-speed differential data lanes and low

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What size is QSFP?

QSFP (Quad Small Form-factor Pluggable) module is a small high-density optical module to support 4-way transmission, the size of

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OSFP vs. QSFP vs. SFP: Which Is Right for You?

Confused about the differences between OSFP, QSFP, and SFP? This guide explains their

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Detailed Explanation of QSFP Optical Module Packaging

The QSFP package adopts a compact design with dimensions of approximately 58.5mm x 81.5mm x 12.5mm and supports four

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Optical Transceiver: SFP vs SFP+ vs QSFP28 vs QSFP-DD

This article provides a comprehensive comparison of mainstream optical transceivers, including SFP, SFP+, QSFP+,

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QSFP Optical Module Wiki

QSFP, full name Quad Small Form-factor Pluggable, four-channel small form-factor pluggable optical module with four

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How do SFP, SFP+, and QSFP compare?

A single QSFP+ can replace 4 SFP+ transceivers resulting in greater port density. QSFP-DD, QSFP28, and QSFP56:

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Comprehensive Guide to QSFP - MapYourTech

QSFP Family Evolution QSFP+ (Original Quad Small Form-Factor Pluggable) The original

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SFP, SFP+, and QSFP Form Factor Standards

The subsequent SFP+ standard evolved this architecture to support 10 Gbps line rates while maintaining backward compatibility with

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The Difference Between QSFP vs. SFP

The team at Equal Optics compares QSFP vs. SFP modules to highlight the features of each one, how they are

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Differences Between SFP, SFP+, SFP28, QSFP+ and QSFP28

SFP, SFP+, SFP28, QSFP+ and QSFP28 are all package types of optical transceiver modules. These hot-swappable optical

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The Big Differences Between SFP, SFP+, SFP28,

Delve deep into the world of optical modules. From SFP to the latest QSFP-DD, explore

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QSFP Optical Module Guide: 40G to 800G Evolution & Selection

The definitive guide to the QSFP optical module series (40G, 100G, 400G, 800G). Learn the technical differences, evolution path,

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The Ultimate Guide to Cisco QSFP Optical Transceiver Modules

Without a doubt, in high-speed networking environments, Cisco QSFP (Quad Small Form-Factor Pluggable) optical

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QSFP Modules: Complete Transceiver Guide | Ascent Optics

Learn what a QSFP module is, how QSFP+, QSFP28, QSFP56, and QSFP-DD differ, and how to choose the right

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QSFP+ 40 Gbs 4X Pluggable Transceiver

Introduction This design guide provides the information needed to incorporate OptixCom's fiber optics products in the customer's

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100GBASE QSFP-100G Modules Data Sheet

In 40-Gbps mode, the Cisco QSFP 40/100-Gbps BiDi transceiver supports link lengths of

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What is QSFP & QSFP+ Transceiver: An Ultimate Guide

QSFP AOC: Active optical cable with QSFP+ module on both ends, mainly for medium to long reach interconnectivity.

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400G OSFP/QSFP-DD/QSFP112 Module Introduction and Selection

The explosive growth of global data volume has placed higher demands on the bandwidth and performance of data

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SFP vs QSFP: Key Differences Explained

SFP vs QSFP module differences explained. Learn about compatibility, speeds, and use cases for network setups.

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The Ultimate Guide to QSFP Cables: What You.

40G-QSFP-SR4-ST Optical Transceiver Module How to Choose the Right QSFP Cable?

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Quick Reference Guide QSFP/QSFP+ Solutions

outing, less weight and increased airflow. Tyco Electronics offers QSFP/QSFP+ cable assemblies in wire gauges #26 through #30 to

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The Ultimate Reference Table for SFP & QSFP Optical Transceiver ...

The definitive guide to SFP, QSFP, and QSFP-DD standards for 2025. Compare 400G/800G optics, understand

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What Is QSFP+ Module: QSFP+ Transceiver Wiki and Types

What is QSFP+? How many types of 40G QSFP transceiver do you know? And what's the difference between QSFP

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Selecting the Perfect 100G Optical Module Packaging: QSFP28, CFP,

100G optical module have emerged as essential components in the fast-paced world of data centers and network

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Demystifying Fiber Optics: Critical Differences Between QSFP and

Why Transceiver Choice Reshapes Network Performance Fiber optic transceivers like QSFP (Quad Small Form

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What is the size of QSFP+ and QSFP28

In terms of physical size, the QSFP+ and QSFP28 modules have the same form factor. They both have the same

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Differences Between Optical Modules SFP, SFP+, CFP, XFP, QSFP?

Originally designed to replace single-channel SFPs with high-density optical modules, the QSFP is only 30% larger

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Cisco 400G QSFP Transceiver Modules Data Sheet

High-bandwidth transceiver modules based on the QSFP112 form factor, targeting NICs used in data centers, high

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100G QSFP28 Cable and Transceiver Modules Data Sheet | FS

The QSFP-eER4-100G Module is designed for 80km optical communication applications. This module contains 4-lane optical

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