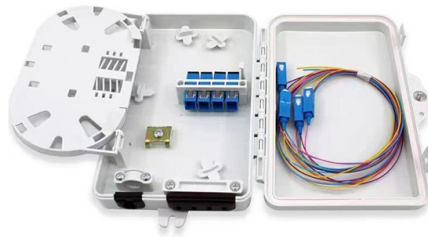


Imported QSFP optical receiver



Article Overview

Imported QSFP optical receivers are high-speed, hot-pluggable modules that convert optical signals into electrical data for network devices, supporting data rates from 40 Gbps to 100 Gbps and beyond.

Overview

QSFP (Quad Small Form-factor Pluggable) optical receivers are part of the QSFP family of transceivers, designed for high-density, high-performance optical communication in data centers, enterprise networks, and telecommunications infrastructure . These modules integrate four independent electrical channels into a single compact form factor, enabling scalable bandwidth and efficient use of switch and router ports . They are hot-pluggable, allowing easy installation and replacement without powering down network equipment.

Types and Data Rates

- QSFP+: Supports 4 lanes of 10 Gbps each, totaling 40 Gbps aggregate bandwidth, suitable for 40 Gigabit Ethernet and InfiniBand applications .
- QSFP28: Increases per-lane speed to 25 Gbps, achieving 100 Gbps aggregate bandwidth, commonly used in 100 Gigabit Ethernet deployments .
- QSFP56 and QSFP-DD: Support 50 Gbps per lane and 8-lane configurations, enabling 200 Gbps to 400 Gbps aggregate bandwidth for modern high-speed networks .

Technical Features...

Article Content

Jan 29, 2026

QSFP Fiber Optic Transmitters, Receivers, Transceivers

QSFP Fiber Optic Transmitters, Receivers, Transceivers are available at Mouser Electronics. Mouser offers inventory, pricing, &

Oct 30, 2025

40G QSFP+ Transceiver Modules | Optical Transceivers

FS 40G QSFP+ optical transceiver module solutions offer a full range of QSFP+ modules from 150m to 80km reach, and used for

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What is QSFP & QSFP+ Transceiver: An Ultimate Guide

What is a QSFP & QSFP+ Transceiver? QSFP stands for Quad Small Form-factor Pluggable. By integrating four-lane

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Introduction to 40GBASE QSFP+ Optical Modules

40GBASE Optical modules are various of optical transceivers with 40Gbps transmission rate, in which the QSFP is the main form

Jul 24, 2026

Optical Transceiver Buying Guide: SFP/QSFP Explained for

Whether for data centers, enterprise networks, or service providers, choosing the right optical transceiver is critical for

Mar 15, 2026

Generic Compatible 40GBASE-LR4 QSFP+ 10km Transceiver

The QSFP+ transceiver converts 4 inputs channel of 10.3125Gb/s electrical data to 4 CWDM optical signals, and multiplexes them

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QSFP-DD Optical Transceivers for High-Speed Connections

Quad Small Form-Factor Pluggable Double-Density (QSFP-DD) offers twice as many high-speed electrical interfaces

Feb 09, 2026

Cisco Transceiver Modules

Cisco Transceiver Modules - Learn product details such as features and benefits, as well as hardware and software specifications.

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400Gb/s QSFP-DD ZR+ Coherent Optical Transceiver

responsively coherent receivers to deliver high performance at 100G DP-QPSK / 200G DP-QPSK / 300G DP-8QAM /

Oct 26, 2025

QSFP-40GB Transceivers Guide and Compatibility

It has four independent receive and transmit optical channels that can terminate to another 40G QSFP+ transceiver, or can be

Jun 03, 2026

40Gb/s QSFP+ Transceiver | Optical Interconnect | Amphenol

Amphenol provides a series of 40G QSFP+optical module products, including SR4, eSR4, IR4, LR4, ER4 lite, AOC

Oct 22, 2025

100G QSFP28 Optical Transceivers

100G QSFP28 ER4 Our MSA-compatible 100G QSFP28 ER4 Optical Transceiver selection is the perfect option for transmitting high

May 14, 2026

QSFP Modules: Complete Transceiver Guide | Ascent Optics

Modern QSFP modules also include Digital Diagnostic Monitoring (DDM) or Digital Optical Monitoring (DOM), giving

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QSFP Transceiver: A Comprehensive Guide

QSFP Transceiver: A Comprehensive Guide QSFP, or Quad Small Form-factor Pluggable, transceivers are high-density, hot

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400G ZR, DR4, FR4, LR4, SR8 QSFP-DD Optical Transceiver

FiberMall 400G DR4 QSFP-DD Optical Transceiver Module The 400G QSFP-DD DR4 fiber module achieves the

Aug 18, 2025

OPTICAL TRANSMISSION

The portfolio includes SFP, XFP, SFP+, QSFP, and CFP/CFP4 transceivers that are fully compliant with

Aug 16, 2025

Cisco Optics-to-Device Compatibility Matrix

Cisco Optics-to-Device Compatibility Matrix Comprehensive compatibility information for Cisco optical transceivers and network

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Global QSFP Optical Transceiver Market 2025

North America QSFP Optical Transceiver market size was USD 321.28 million in 2023, at a CAGR of 11.23% during the forecast

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Wholesale Optical Transceivers Module | 100G QSFP28, 40G QSFP

Shop high-speed optical transceivers from Unitekfiber. We offer 100% compatible 40G, 100G, and 400G QSFP-DD modules for data

May 13, 2026

Top Optical Modules for POTN Deployment: SFP, QSFP, and OSFP

Modern optical transport networks are the nervous system of digital infrastructure. As data demand continues to

Nov 29, 2025

40G QSFP+ Optical Transceivers Complete Guide | Fibrecross

How 40G QSFP+ optical transceivers boost performance in data centers and telecom networks. Learn about types, use cases, and

Apr 06, 2026

Supermicro eStore

Shop for Supermicro certified optical transceiver with QSFP+ 40GbE high speed long distance fiber connections, adapter card and

Dec 04, 2025

40G QSFP+ Optical Transceiver Modules | Solid Optics

40G QSFP+ optical transceivers available in multimode (100m & 300m) and single mode options (2km, 10km, 40km) and DAC

Jul 11, 2026

40G QSFP Optical Transceiver

T1-QSFP-40G-SR4 is a four-channel, pluggable, parallel, fiber-optic QSFP+ transceiver for InfiniBand QDR/DDR/SDR applications.

Oct 05, 2025

QSFP 40G Optical Transceivers | Precision OT

40G QSFP+ Support 40G ethernet, data center, enterprise, and Infiniband applications with Precision OT's range of 40G QSFP+

Apr 09, 2026

The Different Types of QSFP Transceivers and Their Applications

QSFP stands for Quad Small Form-factor Pluggable. It is a high-speed optical transceiver module that can be used in

Aug 02, 2025

SFP Module Transceivers, Manufacturer & Supplier

Understanding BIDI SFP Optical Transceiver Modules A BIDI optical module is a single-fiber bidirectional optical module, or BiDi

Dec 09, 2025

What is QSFP: QSFP Working Principle and Design Structure

This article will analyze 40G QSFP+ transceivers working principle and design structures of transmitter and receiver,

Feb 19, 2026

40G QSFP+ Optical Transceivers | Transceiver Modules

Cisco QSFP-40G-LR4 Compatible 40GBASE-LR4 QSFP+ Optical Transceiver Module (SMF, 1310nm, 10km, LC, DDM) Cisco QSFP

Oct 03, 2025

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

May 30, 2026

Generic Compatible 40G QSFP+ PSM LR4 10km Transceiver

Optcore's QSFP-40G-PSM-LR4 is a QSFP+ PSM (Parallel Single Mode fiber 4-lane) LR4 optical transceiver for 40 Gigabit Ethernet

Mar 11, 2026

The Ultimate Guide to Cisco QSFP Optical Transceiver Modules

Efficient and consistent data transmission is significant in the rapidly changing technological environment. Without a

Contact Us

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