

Austrian optical transmitter QSFP28



Overview

The QSFP28 LR4 is a hot-pluggable, four-channel, and full-duplex optical transceiver module designed for long-distance transmission up to 10 km in the 100G Ethernet network with a working bandwidth of 1295nm to 1310nm. This guide provides the definitive roadmap for selecting, deploying, and troubleshooting QSFP28 transceivers while bypassing the painful trial-and-error phase. Mouser offers inventory, pricing, & datasheets for QSFP-28 Fiber Optic Transmitters, Receivers, Transceivers. With up to 100 Gbps speeds, it is frequently used within data centers, enterprise networks, and telecommunications. A QSFP28 is a Quad (4-channel) small form factor hot pluggable fibre optic transceiver used for 100 Gigabit Ethernet (100GbE) data communications applications. The number 28 means each lane carries up to 28G data rate. By providing four lanes of 25G, QSFP28 enables a streamlined upgrade path from lower-speed networks, making it a popular choice for scaling data center interconnect (DCI) and.



Article Content

Mar 16, 2026

QSFP28 Transceiver: Complete 100G Connectivity Guide (2026)

QSFP28 transceiver guide covering module types, pricing, compatibility, and deployment. Learn how to choose, deploy, and troubleshoot 100G QSFP28 optics.

Mar 19, 2026

Overview of QSFP28 LR4 Optical Transceiver

Discover FS's QSFP28 100G LR4 optical transceiver, offering low power consumption, perfect compatibility, and reliable long-distance performance

Jun 08, 2026

QSFP28 ER4 Optical Transceiver Overview

100G QSFP28 ER4 optical transceiver can reach a 40km transmission distance on the SMF which supports both 100G Ethernet and OTU4 network applications.

Dec 17, 2025

100GBASE-ZR4 QSFP28 1310nm 80km Transceiver Datasheet | FS

Description FS's QSFP28-ZR4-100G is designed for 80km optical communication applications. This module contains 4-lane optical transmitter, 4-lane optical receiver and module management block

Jan 13, 2026

QSFP28 Transceiver: The Ultimate 100G Optical

The QSFP28 optical transceiver has become the cornerstone of 100G networking due to its outstanding balance of performance, density, power

May 09, 2026

100Gbps QSFP28 Optical Transceivers | Transceiver Modules

Ecloudlight offers a wide variety of 100Gbps QSFP28 module options for national government agencies, enterprise users, and Internet Service Providers(ISPs) applications.

Nov 13, 2025

Everything You Need to Know About QSFP28 LR4

QSFP28 LR4 optical transceiver module is a highly advanced technology used for visual communication. A small optical transceiver module

Jun 01, 2026

100G QSFP28 CWDM4 Optical Transceiver Overview

This article delves into the features, applications, and advantages of the 100G QSFP28 CWDM4 optical transceiver, shedding light on its crucial role in modern networking.

Oct 16, 2025

Design and Implementation Scheme of QSFP28 Optical

A quad, small form-factor pluggable 28 Gbps optical transceiver design scheme is proposed. It is capable of transmitting 50 Gbps of data up to a

May 04, 2026

Introduction to 100G QSFP28 Optical Transceiver

100G QSFP28 optical transceivers are designed for 100 Gigabit Ethernet, EDR InfiniBand, or 32G Fibre Channel. What is 100G QSFP28 optical transceiver?

Oct 22, 2025

FAQs for QSFP28 Optical Transceivers

QSFP28 is abbreviated from Quad Small Form-Factor Pluggable 28. It is the third generation of the QSFP interconnect systems designed for 25/100G performance

Sep 24, 2025

QSFP-28 Fiber Optic Transmitters, Receivers, Transceivers

Mouser offers inventory, pricing, & datasheets for QSFP-28 Fiber Optic Transmitters, Receivers, Transceivers.

Mar 24, 2026

FWDM-1519-7D-XX Spec C

General Description XGIGA 100G QSFP28 LR4 optical Transceiver integrates receiver and transmitter path on one module. The laser drivers control 4- Distributed Feedback Laser (DFB) with center

Apr 01, 2026

High Compatible 100G QSFP28 ZR 1310nm 80Km Optical

Product Summary High Compatible 100G QSFP28 ZR 1310nm 80Km Optical Transceiver Module Description Gezhi Photonics 100G QSFP28 ZR4 is designed for 80km optical communication

Jun 21, 2026

100G Transmission Using 100G QSFP28 Transceivers

This article provides an overview of 100G transmission using 100G QSFP28 transceivers, including the working principles, key components, and considerations for successful deployment.

Jul 08, 2025

Understanding the 100G QSFP28 CWDM4 Optical Transceiver

The 100G QSFP28 CWDM4 optical module is a high-performance, cost-effective solution for short-to-medium distance interconnects in modern data centers, enterprise campus networks, 5G

Feb 01, 2026

Intel® Ethernet QSFP28 Optic

Intel® Ethernet QSFP28 Optics are an excellent choice for fiber systems in high-speed communications equipment. Both short range and long-range transceiver modules are available for maximum

May 20, 2026

100G QSFP28 Optical Module Selection Guide: Medium to Long

This article tells you how to choose 100G QSFP28 modules for medium and long transmission distances, as well as the advantages of QSFP28 modules and why you should choose it.

Dec 11, 2025

QSFP28 optical transceivers | Smartoptics

QSFP28 transceivers for cost-efficient high-speed networks. What is QSFP28? QSFP28 (Quad Small Form-Factor Pluggable 28) is a compact transceiver form

May 04, 2026

100G QSFP28 Transceivers for High Performance

100G QSFP28 Transceivers available in various form factors, distances and connectors. Guaranteed compatibility and extensive warranties.

Nov 20, 2025

QSFP28 Fibre Optic Transceiver Technology Overview

A QSFP28 is a Quad (4-channel) small form factor hot pluggable fibre optic transceiver used for 100 Gigabit Ethernet (100GbE) data communications

Oct 11, 2025

QSFP28 LR4 Overview

As demand for 100G continues to grow in the market driven predominantly by data center applications, QSFP28 optical transceivers have

Feb 21, 2026

SFP vs. SFP+ vs. SFP28 vs. QSFP+ vs. QSFP28: Was

Dieser Artikel vergleicht klar die optischen Transceiver SFP, SFP+, SFP28, QSFP+ und QSFP28 hinsichtlich Datenrate, Kompatibilität und FAQ und

Aug 07, 2025

100Gb/s QSFP28 ZR4 Transceiver QSFP28-100G-ZR4

Operating Environments Electrical and optical characteristics below are defined under this operating environment, unless otherwise specified.

Apr 22, 2026

QSFP28 100G PinOut Guide

Complete QSFP28 100G pinout reference with detailed pin functions, descriptions, and logic types for network engineers and hardware designers.

Jul 11, 2025

What Is a 100G QSFP28 Optical Transceiver?

Among the spectrum of 100G optical transceivers, the QSFP28 100G optical transceiver stands out for its compact size and energy efficiency.

Apr 23, 2026

QSFP28 100G ZR4 (Dual-rate) | HiSilicon Optoelectronics

This module contains 4-lane optical transmitter, 4-lane optical receiver and module management block including 2 wire serial interfaces. The optical signals are multiplexed to a single-mode fiber through

Oct 27, 2025

SFP+, SFP28, QSFP+, QSFP28, QSFP56, QSFP-DD,

Initial Published: February 19, 2022 The optical transceiver plays a crucial role in modern fiber networking. Various high-speed transceiver types are

Nov 25, 2025

100G QSFP28 to 4x25G SFP28 Breakout Active Optical Cable (AOC)

General Description This product is a high data rate parallel active optical cable (AOC), to overcome the bandwidth limitation of traditional copper cable. The AOC is terminated with a QSFP28 module at

Feb 02, 2026

100G QSFP28 LR4 DML LWDM4 10km/20km Optical

GIGALIGHT 100G QSFP28 LR4 optical modules are used for long-distance transmission in the datacom or telecom field and are compliant with IEEE

Contact Us

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