

Peruvian Emergency Communication Optical Transceiver Module QSFP28



Overview

The GZ-QSFP28-ER4 is a transceiver module designed for 40km with FEC (30km without FEC) optical communication applications. The design is compliant to 100GbASE-ER4 of the IEEE 802.3bm CAUI-4 chip to module electrical standard ITU-T. FS offers a growing portfolio of 100G QSFP28 modules. Click to get your 100GbE transceiver modules from nearby. Cisco® QSFP28 100G ZR extends 100GbE coherent links from QSFP28 ports reaching up to 80km over dark fiber and up to 300km over amplified Dense Wave Division Multiplexing (DWDM) links. 3™-2022 100GBASE-ZR standard, ensuring interoperability with other solutions. The Steelerton DSP is the first purpose-built DSP for 100G ZR applications, optimized for the lowest power. NEC's 100G QSFP28 ZR DCO is a pluggable optical transceiver designed specifically for 100G, featuring a QSFP28 form factor that enables low power consumption and long-distance transmission of digital coherent communication. The 100G QSFP28 ZR DCO, which achieves 600km transmission (when using. Amphenol's 100G QSFP28 optical modules include SR4, AOC, AOC break out, CWDM4, LR4, ER4 Lite, ER4 and ZR4 series, which adopt LC or MPO optical ports and are compatible with IEEE802.3bm, SFF-8636 and other standards; With low power consumption and small size, it is mainly used in 100G data center. The FS® 100GBASE Quad Small Form-Factor Pluggable (QSFP28) 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.

Article Content

Aug 28, 2025

100G QSFP28 Cable and Transceiver Modules Data Sheet | FS

The 100GBASE-PLR4 optical transceiver module supports link lengths of up to 10km over single-mode fiber (SMF) with MTP/MPO-12 connector. This transceiver is compliant with SFF-8636 and QSFP28

Jul 18, 2025

QSFP-ER4-100GM Datasheet | FS

The QSFP28 Dual Rate Optical Transceiver Module is designed for use in 100GBASE Ethernet and 4x28G OTN client interfaces throughput up to 40km over single mode fiber (SMF) using a

Aug 23, 2025

100G QSFP28 Transceiver Modules | Optical Transceivers

The 100G QSFP28 module solution provides high-performance 100GbE connectivity for data centres, enterprise core & distribution layers, computing networks and service provider applications.

Nov 20, 2025

What is the Role of Optical Transceiver Modules in

Optical transceiver modules convert electrical signals to light, enabling high-speed data transmission in fiber optic networks for modern communication.

Jun 09, 2026

The Ultimate Guide to Cisco QSFP28 Transceiver Modules for 100G ...

The fast-changing area of networking technology has led to the need for higher bandwidth solutions, creating high-tech transceiver modules. Among others, the Cisco QSFP28 Transceiver is

Feb 05, 2026

What Is QSFP28? A Clear Explanation of 100G Transceivers

At the center of this transition is QSFP28, a compact, high-performance optical transceiver form factor designed specifically for 100-gigabit data rates. QSFP28 (Quad Small Form-Factor Pluggable 28)

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Cisco Optics | Transform Your Network

Get the highest quality, performance-leading optical transceivers for any network architecture. Find the transceiver model to fit your network.

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Understanding the Coherent Transceivers

FS offers a wide range of high-speed coherent transceivers, supporting 100G, 200G, and 400G data rates to meet the diverse demands of modern

Mar 31, 2026

100G QSFP28 LR4 10km Fiber Optic Transceiver Ethernet

Product Description of 100G QSFP28 LR4 10km Fiber Optic Transceiver Ethernet This product is a 100Gb/s transceiver module designed for optical communication applications compliant

Aug 12, 2025

800G Optical Transceiver Overview: QSFP-DD and

Optical module is the optoelectronic device that realizes photoelectric and photoelectric conversion in optical communication, and is the core part of

Mar 23, 2026

An Overview of 100G QSFP28 CWDM4/PSM4 Optical

100G QSFP28 PSM4 is a four-channel, pluggable, parallel, fiber-optic QSFP28 PSM4 optical transceiver module for 100/40 Gigabit Ethernet and

Nov 10, 2025

A Deep Dive into the QSFP28-100G-ZR4 Optical

QSFP28-100G-ZR4 transceiver enables 100G data transmission up to 80km using single-mode fiber, ideal for long-distance, high-speed network

Dec 10, 2025

Cisco QSFP28 100G ZR Digital Coherent Optics Module Data Sheet

This DCO module is tunable across C-band. The module is compatible with widely deployed ports of QSFP28 100G and 100GBASE ER CAUI-4 client interfaces. Its maximum

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Wholesale Optical Transceivers Module | 100G

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

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100G QSFP28 Cable and Transceiver Modules Data Sheet | FS

The QSFP28-eER4-100G Module is designed for 80km optical communication applications. This module contains 4-lane optical transmitter, 4-lane optical receiver and module management block including 2

Jun 18, 2026

Optical Transceiver Buying Guide: SFP/QSFP Explained for

What Are Optical Transceiver Modules? Optical transceiver modules are compact, hot-pluggable devices that convert electrical signals into optical signals (and vice versa) for fiber optic

Nov 14, 2025

100GIG QSFP28 SR4 Optical Transceiver Module (100m)

This is a four-Channel, pluggable, parallel, fiber-optic QSFP+ SR4 for 100 or 40 Gigabit Ethernet, Infiniband FDR/EDR and 32GFC applications. This transceiver

Jun 10, 2026

100Gbps QSFP28 Optical Modules

100Gbps QSFP28 Optical Modules QSFP-100G-CWDM4 QSFP28-100G-LR4 QSFP28-100G-SR4 QSFP-100G-4WDM-40 QSFP-100G-CWDM4-ISP QSFP-100G-CWDM4-Lite QSFP-100G-ER4

May 27, 2026

Comprehensive Guide to SFP, SFP+, SFP28, QSFP+, and QSFP28 Transceivers

Dive deep into the world of optical transceivers. Understand the differences between SFP, SFP+, SFP28, QSFP+, and QSFP28. Discover their specifications, working principles, compatibility,

Nov 30, 2025

100G QSFP-DD DCO : Optical Transceiver Module | NEC

NEC's 100G QSFP28 ZR DCO is a pluggable optical transceiver designed specifically for 100G, featuring a QSFP28 form factor that enables low power

Jul 28, 2025

The Ultimate Guide to Cisco QSFP Optical Transceiver

The Cisco QSFP-40G-SR4 module works on the principle of short-distance optical communication with a wavelength of 850nm. This transceiver for

Apr 26, 2026

LR ER CWDW 100G QSFP28 Transceiver 1310nm 10km 20km 40km

Product Summary LR ER CWDW SFP Module Optical Transceiver 100G QSFP28 1310nm 10km 20km 40km Overview The GZ-QSFP28-ER4 is a transceiver module designed for 40km with FEC (30km

Jul 03, 2025

100G QSFP28 LR4 10km Optical Transceiver GQS-SPO101-LR4C

Description This product is a 100Gb/s transceiver module designed for optical communication applications compliant to 100GBASE-LR4 of the IEEE P802.3ba standard. The module converts 4

Sep 26, 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

Oct 03, 2025

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

Jan 29, 2026

100GBASE QSFP-100G Modules Data Sheet

Product overview The Cisco 100GBASE Quad Small Form-Factor Pluggable (QSFP) portfolio offers customers a wide variety of high-density and

Oct 21, 2025

100Gb/s QSFP28 Transceivers | Optical Interconnect

Amphenol's 100G QSFP28 optical modules include SR4, AOC, AOC break out, CWDM4, LR4, ER4 Lite, ER4 and ZR4 series, which adopt LC or MPO

Contact Us

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