

Finland spot coherent optical module QSFP28



Overview

FS provides a wide range of WDM transmission modules. Meet high traffic demands with coherent optics for DCI, metro access, aggregation, and long-haul networks. The 100G ZR QSFP28-DCO pluggable transceiver supports up to 80km (un-amplified) and up to 300km (amplified) WDM networks. 3™-2022 100GBASE-ZR standard, ensuring interoperability with other solutions. Supporting 100G capacity, the Nokia QDCO1 modules are ideal for metro and access applications. The advancements in coherent optics and digital signal. 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) enables 100G transmission by aggregating four parallel 25G electrical lanes, delivering an optimal. Digital Coherent Optics module, hot- pluggable QSFP28 form factor Transmission reach: Up to 80km unamplified (loss limited) Up to 120km amplified (dispersion limited, optionally extendable to 300km) Full C-band tunable, 50GHz or 100GHz grid Case temperature range 0°C to 70°C Power dissipation <.



Article Content

May 29, 2026

QSFP28 vs QSFP+ Compatibility Guide | EDGE Optical

Learn QSFP28 and QSFP+ compatibility rules. QSFP28 ports support QSFP+ modules backward compatibility, but not forward. Essential networking

Jun 18, 2026

Generic Compatible QSFP28 DCO 100G DWDM C-band Tunable

The 100G ZR QSFP28-DCO pluggable transceiver supports up to 80km (un-amplified) and up to 300km (amplified) WDM networks. It is fully compliant to the IEEE 802.3™ -2022 100GBASE-ZR standard,

Jun 06, 2026

Coherent Optical Transceiver 40-100G

Coherent's (formerly II-VI) optical transceiver module products have been adopted by the world's major switch and server vendors, and have a wide range of

Nov 17, 2025

Coherent Announces General Availability of Industry

Mar. 28, 2025. Coherent announces general availability of the industry's first 100G ZR QSFP28-DCO featuring 0dBm optical output power, designed for metro and

Sep 18, 2025

What Is QSFP28? A Clear Explanation of 100G Transceivers

Compared with legacy 40G QSFP+ modules, QSFP28 provides 2.5× higher throughput within the same physical footprint, making it the dominant choice for spine-leaf data centers, cloud infrastructure, and

May 15, 2026

Cisco QSFP28 100G ZR Digital Coherent Optics Module

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 operating power range is

Nov 19, 2025

SFP, SFP+, SFP28, QSFP+ and QSFP28 optical modules

Generally, QSFP28 modules cannot be broken down into 10G links. However, a QSFP+ module can be plugged into a QSFP28 port if the switch supports it. In conclusion In general, SFP,

Jan 15, 2026

100G Coherent QSFP28 C-band Tunable 80km DCO Transceiver

The 100G ZR QSFP28 DCO transceiver supports 100G transmission over distances up to 120km (dispersion limited, optionally extendable to 300km) for edge network applications. On the host side,

Nov 22, 2025

Nokia 100G ZR Coherent Module

Nokia's 100G ZR coherent module (QDCO1) provides the capacity and optical reach of coherent optics in flexible, small-sized QSFP28 modules. Supporting 100G capacity, the Nokia QDCO1 modules are

Mar 11, 2026

2 km 100G CWDM4 QSFP28 Optical Transceiver

FTLC1155RGPL4 QSFP28 transceiver modules are compliant with the QSFP28 MSA, CWDM4 MSA and portions of IEEE P802.3bm. Digital diagnostic functions

Sep 20, 2025

100G ZR QSFP28 Digital Coherent Optics (DCO)

Product Detail Constructed around Coherent's Steelerton DSP, the 100G ZR QSFP28-DCO transceiver fully adheres to the IEEE 802.3-2022 100GBASE-ZR

Jul 08, 2025

FTLC9558REPM QSFP28 Optical Transceiver Module

Coherent FTLC9558REPM QSFP28 Optical Transceiver Module is designed for 100 Gigabit Ethernet links over multi-mode fiber (MMF).

Oct 21, 2025

100G ZR QSFP28 Digital Coherent Optics Transceiver

In the QSFP28 module the DSP is paired with a highly efficient silicon photonics

Feb 27, 2026

QSFP28 SR4 Optical Transceiver Module Overview

Explore FS QSFP28 SR4 optical transceiver with low power consumption, perfect compatibility, and reliable performance for efficient data

Oct 24, 2025

100Gb/s QSFP28 Transceivers

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,

Sep 22, 2025

QSFP28 100G COHERENT DWDM SFF-8636 HIGH TX POWER

The TQ2032-TUNC-SO is a pluggable QSFP28 DWDM transceiver designed for high capacity 100 Gigabit Ethernet (100GbE) Data Center Interconnect (DCI) optical communication applications up to

Jul 02, 2025

Nokia 100G ZR Coherent Module

The QSFP28 is ideal for carriers who want to install coherent line optics in transponder card client ports for general purpose access and metro applications, or directly integrated into router line cards for

Aug 08, 2025

Coherent Corp. Launches Industry's First Dual-Laser QSFP28-DCO

Coherent Corp. has announced the launch of the first dual-laser QSFP28-DCO module, which facilitates bi-directional 100G coherent transmission over a single fiber, addressing the needs

Sep 14, 2025

Coherent Announces Industry's First 100G ZR QSFP28

The Coherent 100G ZR QSFP-DCO is the industry's first dual laser QSFP28 digital coherent optics (DCO) module for single fiber, bi-directional applications – a

Sep 22, 2025

Selecting the Perfect 100G Optical Module Packaging:

The OIF-400ZR standard defines coherent transmission standards for 100G to 400G optical modules. MSA (Multi-Source Agreement) MSA outlines

Aug 03, 2025

QSFP28-DCO | Coherent Corp. | Apr 2025 | Photonics Spectra

SAXONBURG, Penn., April 9, 2025 — Coherent's 100G ZR QSFP28-DCO is designed for metro and regional ROADM-based line systems and IP-over-DWDM deployments. The solution eliminates the

Nov 19, 2025

100G ZR QSFP28 Coherent DCO Transceivers

Built around the Coherent Steelerton DSP, the 100G ZR QSFP28-DCO transceiver is fully compliant to the IEEE 802.3™-2022 100GBASE-ZR

May 26, 2026

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

Cost-Effectiveness: Provides a compelling data center interconnect solution that is more affordable than proprietary OEM modules, without

Jul 03, 2025

QSFP28 optical transceivers | Smartoptics

Smartoptics range of QSFP28 transceivers Smartoptics offers a wide selection of QSFP28 transceivers designed to support 100G Ethernet across different

May 27, 2026

Coherent Announces General Availability of 100G ZR

Sept. 23, 2024. Coherent announces the general availability and production release of the industry's first 100G ZR QSFP28 digital coherent optics (DCO) transceiver.

Nov 22, 2025

Cisco QSFP28 100G ZR Digital Coherent Optics Module Data Sheet

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

Mar 24, 2026

Explore FS 100G QSFP28 Module Family to Build Efficient Network

Uncover the FS 100G QSFP28 module family for optimizing data centre and network performance. Learn how to select the best for your needs.

Apr 19, 2026

Industry-First I-Temp 100G ZR QSFP28-DCO Module

These transceivers can be installed directly onto already deployed access network equipment with QSFP28 ports. Examples include optical line

Contact Us

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