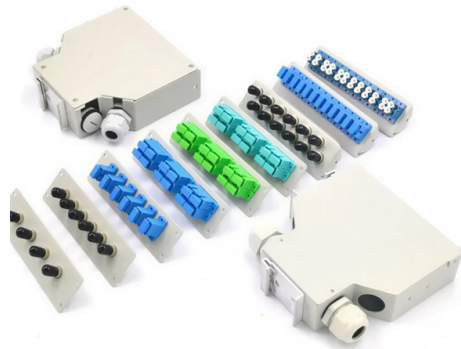


# Dco optical module



## Overview

The CFP2-DCO is a digital coherent optical module based on the CFP2 (C Form-Factor Pluggable 2) form factor. Cisco offers a range of GBIC, SFP, XFP, SFP+, CXP, CFP, Cisco CPAK, and QSFP+ pluggable. Nokia's 400G multi-haul coherent modules (CFP2-DCO) provide the capacity and optical reach of coherent optics in a flexible, small-sized CFP2-DCO module. Supporting 100G to 400G capacities, the Nokia CFP2-DCO is ideal for 400ZR+ optical transport applications over metro, regional and long-haul. Built around Coherent Steelerton DSP, the 100G ZR QSFP28-DCO transceiver is fully compliant to the IEEE 802.3™-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 400G CFP2-DCO optical transceiver adheres to OIF 400ZR/OpenZR+/OpenROADM and is intended for use in the DCI/metro network.

## Article Content

CFP2-DCO-400G-D Data Sheet | FS

CFP2-DCO-400G-D is CFP2 form factor coherent pluggable module compliant to the CFP MSA CFP2 hardware specification, based on DP-mQAM modulation, polarization diversity coherent intradyne

400G ZR+ QSFP-DD DCO Coherent Fiber Transceiver

100G/200G/400G Coherent QSFP-DD DCO ZR+ Transceiver Module (DWDM C Band 50GHz Grid: 191.15-196.1GHz) The QSFP-DD DCO 400ZR+ coherent

High-Speed Coherent Modules: DCO and ACO

The Digital Coherent Optics (DCO) coherent module represents a significant step forward in optical communication technology. It works by directly

800G Digital Coherent Optics (DCO) Transceiver Market 2026

Silicon Valley and other tech hubs spearhead R& D in coherent optics, focusing on advanced modulation formats and pluggable modules that enhance spectral efficiency for 800G Digital Coherent Optics

400G Coherent Optics Guide: ZR, ZR+ & MZR Comparison

Master 400G coherent optics with our comprehensive guide covering ZR, ZR+, MZR variants, reach capabilities, power consumption & deployment

Cisco QSFP28 100G ZR Digital Coherent Optics Module Data Sheet

The Cisco QSFP28 100G ZR module expands the portfolio of digital coherent optics (DCO) modules to connect QSFP28 ports.

Key Drivers for Marine Foam Life Jacket Market Growth: Projections

Marine Foam Life Jacket Company Market Share Dominant Application Segment Analysis The CFP2-DCO Coherent Optical Module segment emerges as a pivotal driver for the Nano-ITLA

Co-Packaged Optics (CPO) Market Trends 2026: AI Data Center Optical ...

Explore the future of co-packaged optics (CPO) in AI data centers. Learn how silicon photonics, optical I/O, and high-speed optical interconnect technologies are shaping next-generation

DCI Optical Modules | Delivering high bandwidth over

Explore DCI Modules Marvell offers a portfolio of DCI modules designed to efficiently transmit data over regional fiber networks. Using Marvell coherent DSP

400G-CFP2-DCO : Optical Transceiver Module | NEC

The 400G CFP2-DCO optical transceiver is designed for interconnecting data centers and metropolitan areas and supports OIF 400ZR/Open

GlobalFoundries Accelerates Adoption of Co-Packaged Optics for

GlobalFoundries today announced the introduction of its SCALE optical module solution for co-packaged optics (CPO). GF's SCALE solution, or Silicon photonics Co-packaged Advanced

Replacing an Optical Module

When replacing an optical module, complete the following operations within 3 minutes: Remove the cables from an optical module, replace the optical module, and connect the cables to an optical

200G CFP2 DCO Coherent DWDM Transceiver Module

Extend optical reach to 2000km with integrated coherent DSP. CFP2-DCO merges packet and optical layers in a single pluggable module.

Optical Modules Market Research Report 2034

Optical Modules Market Outlook 2025-2034 The global optical modules market was valued at \$14.8 billion in 2025 and is projected to reach \$39.6 billion by 2034,

NeoPhotonics upgrades 400G transceiver | Electronics

NeoPhotonics announced a new, high output power version of its 400G Multi-Rate CFP2-DCO coherent pluggable transceiver with 0 dBm output

Nokia 400G multi-haul coherent module

The latest generation of Nokia 1830 Photonic Service Switch (PSS) transponders and OTN switch interfaces incorporate the new 400G multi-haul CFP2-DCO module, enabling cost-effective, efficient

What is 800G CFP2-DCO Coherent Optical Module? | GLSUNMALL

The CFP2-DCO is a digital coherent optical module based on the CFP2 (C Form-Factor Pluggable 2) form factor. Its defining feature is the integration of a digital signal processor (DSP),

FinancialContent

MALTA, N.Y., May 04, 2026 (GLOBE NEWSWIRE) -- GlobalFoundries (Nasdaq: GFS) (GF) today announced the introduction of its SCALE™ optical module solution for co-packaged optics (CPO).

Optical module

Optical modules can either plug into a front panel socket or an on-board socket. Sometimes the optical module is replaced by an electrical interface module that implements either an active or passive

#### 100G ZR QSFP28 Digital Coherent Optics Transceiver

To facilitate deployment in a wide variety of edge network locations, including street cabinets or pole mount enclosures, the 100G ZR QSFP28-DCO module will also

#### Optical Module Chip Market 2025

The optical module chip market exhibits a fragmented yet competitive structure with global technology providers, semiconductor manufacturers, and specialized optical communication companies vying for

GlobalFoundries accelerates adoption of co-packaged optics for

GlobalFoundries accelerates adoption of co-packaged optics for advanced AI data centers with SCALE optical module solution PRESS RELEASE GlobeNewswire May. 4, 2026, 08:30

#### 400G CFP2 DCO Optical Transceiver Module(id:11729016) Product

400G CFP2 DCO Optical Transceiver Module(id:11729016), View quality 400G CFP2 Module, 200G CFP2 Module, 100G CFP2 Module details from Guangzhou Ruid Ele-tech CO., LTD storefront on

#### High-Speed Coherent Modules

DCO coherent module integrates the DSP chip directly onto the optical device, enabling digital communication between the module and the host system. This approach facilitates

#### Optical Transceivers | Coherent

Optical Transceivers Get the pluggable module performance you need from the manufacturer of choice for major networking equipment vendors worldwide.

#### Optical Module Encapsulation Types

SFP/eSFP Optical Module Small form-factor pluggable (SFP) optical modules are compact, hot-swappable, low-speed optical modules. They comply with the specifications defined in the multi

#### Coherent Showcases Next-Generation Optical

The industry's first dual-laser QSFP28 DCO module for single-fiber, bi-directional applications delivers 10x capacity upgrades on existing 10G

## Contact Us

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