

Congo optical receiver QSFP-DD



Overview

The ECPO-QDDZR400G is a 400 Gbps tunable dense wavelength division multiplexing (DWDM) DP-16QAM coherent transceiver. ZR+, Standard Tx output power (-10dBm), C-band tunable, Pull tab, 0°C to 70°C, LC receptacle The emerging OIF 400ZR and Open ZR+ MSA coherent transceivers in QSFP-DD and OSFP form factors generally have low transmit output power (-10 dBm), making them incompatible with ROADM networks. Consequently, Cisco offers a comprehensive range of pluggable optical modules in the Cisco® pluggables portfolio. The wide variety of modules gives you flexible and cost-effective options for all types of interfaces. Cisco offers a range of GBIC, SFP, XFP, SFP+, CXP, CFP, Cisco CPAK, and QSFP+ pluggable. The 400G QSFP-DD ZR+ is a C-Band optical frequency tunable coherent optical module, that combines 7nm coherent DSP ASIC functionality with best-in-class ultra-narrow line-width tunable lasers, high-speed modulators and high responsively coherent receivers. This transceiver is also the one capable. y coherent detection, and advanced electronic link equalization. Chromatic dispersion compensation can be applied to the receiving side of the demodulator. This module is managed to utilize the Two Wire Interface that is s ide are provided through the optical receptacles on the QSFP-DD. The module. QSFP-DD (Quad Small Form-Factor Pluggable Double Density) represents a transformative advancement in optical transceiver technology, addressing the exponential growth in data center bandwidth requirements and the demands of modern high-performance computing environments. As data traffic continues. NADDOD introduces a new range of 400G Digital Coherent QSFP-DD transceivers with three variants: ZR (QDD-400G-ZR) for 400G 120Km DCI DWDM applications, ZR Plus (QDD-400G-ZR+) for 100G/200G long haul and 300G/400G Metro IP over DWDM, and ZR+ Pro/High Power (QDD-400G-ZRP+) is an enhanced version of

Article Content

Apr 01, 2026

400G Optical Transceivers: What's the Difference Between OSFP and QSFP-DD?

Application Scenarios: Both QSFP-DD and OSFP are suitable for data center interconnect (DCI) scenarios, including direct attach copper cables (DAC), active optical cables (AOC), and fiber optic

Nov 04, 2025

Hilink Optics QSFP QSFPDD OSFP 10G SFP

If you have any questions about Hilink Optics CWDM DWDM QSFP QSFPDD OSFP 10G SFP transceivers, we will give the professional solutions to you.

May 16, 2026

QSFP-DD Optical Transceivers for High-Speed

Cisco's comprehensive portfolio of QSFP-DD modules support 400G and 800G data rates across copper, multimode fiber, and single-mode fiber, and

Jan 29, 2026

Dell networking transceivers and cables

Optical interoperability of SFP, SFP+, SFP28 with selected QSFP and QSFP-DD modules Offers pay-as-you-use model for lower total cost of ownership (TCO) and ease of technology migration

Nov 15, 2025

QSFP-DD DCO 400G DWDM Tunable Coherent ITU CH13-CH61

The 400G QSFP-DD ZR+ is a C-Band optical frequency tunable coherent optical module, that combines 7nm coherent DSP ASIC functionality with best-in-class ultra-narrow line-width tunable lasers, high

May 17, 2026

Cisco 400G QSFP-DD: Understanding Optical

Discover the Cisco 400G QSFP-DD optical transceiver modules, designed for high bandwidth in data centers, ensuring backward compatibility

Jan 29, 2026

400G QSFP-DD DCO ZR+ Coherent Optical Transceiver QSFP-DD

Ascent's 400G ZR+ QSFP-DD Digital Coherent Optic Modules are 400 Gb/s Quad Small Form Factor Pluggable- double density (QSFP-DD) transceivers designed for 480 km optical

Apr 21, 2026

2023-010-ECPO-QDDZR400G QSFP-DD 400G ZR DS R02 20230314

The QSFP-DD form factor device is hot pluggable and includes digital diagnostics monitoring (DDM) and control functions. This module enables interoperable and cost-effective

Nov 01, 2025

400G Digital Coherent QSFP-DD DWDM Optics Transceivers

400G Digital Coherent QSFP-DD DWDM transceivers, ZR, ZR+ & ZR+ Pro variants, compatible with Cisco, Juniper, Nokia & Arista. Built for high-speed DCI & long-haul transmissions up to 120 km,

Jul 05, 2026

QSFP-DD Optical Transceivers Unlocking Faster

QSFP-DD Optical Transceivers deliver up to 800Gbps speeds, offering high bandwidth, energy efficiency, and compatibility for modern

Mar 26, 2026

DCI Optical Modules | Delivering high bandwidth over

Available for both C+L Band in QSFP-DD or OSFP, COLORZ 800 lowers the capital cost of DCI substantially compared to traditional systems.

Nov 21, 2025

QSFP-DD Optical Transceivers - MapYourTech

Introduction QSFP-DD (Quad Small Form-Factor Pluggable Double Density) represents a transformative advancement in optical transceiver

Oct 06, 2025

Keysight & Eoptolink Demo 400G QSFP-DD & OSFP Stressed Receiver

Keysight demonstrated for the first time 400G ORST (Optical Receiver Stress Test) automated standard compliant solution with Eoptolink's 400G QSFP-DD-And-OSFP DR4/FR4 optical transceiver to target

Aug 29, 2025

Optical Module Package Market 2025

MARKET INSIGHTS The global Optical Module Package Market was valued at 8942 million in 2024 and is projected to reach US\$ 20220 million by 2032, at a CAGR of 12.7% during the forecast period.

Jul 29, 2025

200G QSFP-DD xPSM8 20km|FIBERSTAMP

The optical interface uses an 16 fiber MTP (MPO) connector. This module incorporates Fiberstamp Technologies proven circuit and Optical technology to provide reliable long life, high performance,

Nov 26, 2025

200G QSFP-DD Active Optical Cable with DDM (1-100m)

200G QSFP-DD Active Optical Cable with DDM - 1 meter High-quality optical transceiver from EDGE Optical Solutions.

Jan 05, 2026

QSFP-DD 400G DCO 0dBm ZR+

The QSFP-DD 400G Digital Coherent Optical (DCO) 0dBm Open ZR+ transceiver is a 400 Gbit/s multirate pluggable module for 100/200/300/400GBASE Ethernet optical data communication.

Mar 19, 2026

Cisco 400G QSFP-DD High-Power (Bright) Optical

Learn how Cisco 400G QSFP-DD High-Power (Bright) Optical module's small size and low power make it an optimal choice for a wide range of

Jan 25, 2026

Optical Transceivers

Optical transceivers have revolutionized data transmission, providing high-speed, long-distance, and secure data transmission capabilities. Optical transceivers

Mar 26, 2026

QSFP-DD Optical Module Overview: What is the differ?

The QSFP-DD is the smallest 400G form factor optical module on the market today. It is also the optical module that offers the highest

Jan 25, 2026

In-Depth Analysis of QSFP-DD 400G FR4 Transceivers

This article explains 400G QSFP-DD FR4 optical transceivers, covering their advantages, working principles, and why they are ideal for 400G

Oct 14, 2025

Unlocking the Future of Connectivity: Understanding

QSFP-DD is a compact and fast optical transceiver that supports increased data capacity in modern networks. While maintaining the QSFP form

Dec 01, 2025

400G QSFP-DD Digital Coherent Optics transceiver

By plugging Coherent's high transmit output power 400G QSFP-DD-DCO transceivers directly into their switches or routers, network operators can

Jun 01, 2026

QSFPDD 200G 2xCWDM4 2km Optical Transceiver

FiberWDM's RQD-200G-2CWDM4 200GE QSFP-DD 2xCWDM4 Optical Transceiver modules are designed for using in 2x100G Ethernet 2km links over single-mode fiber. They are compliant with the

Aug 17, 2025

Optics Transceiver Module Market 2025

Broadcom's recent acquisition of optical transceiver assets and Juniper Networks' expanded line of QSFP-DD modules exemplify strategic moves to capture this growing demand. Pricing pressures

Mar 12, 2026

QSFP-DD Optical Transceivers – MapYourTech

QSFP-DD is an advanced hot-pluggable optical transceiver form factor that doubles the bandwidth density of traditional QSFP28 modules by

Jul 10, 2026

QSFP-DD Linear Pluggable Optics (LPO)

QSFP-DD LPO TRANSCEIVER DESIGNED FOR PCIE® GEN 5.0 DATA RATES Amphenol's QSFP-DD Linear Pluggable Optical (LPO)

Nov 08, 2025

Cisco 400G Digital Coherent Optics QSFP-DD Optical

Cisco now offers a range of all new 400G Digital Coherent QSFP-DD transceivers. Cisco already offers a range of Digital Coherent CFP2 transceivers

Dec 23, 2025

QSFP-DD Price Guide 2026: 400G/800G Costs & TCO Analysis

QSFP-DD price guide with 400G/800G module costs, OEM vs third-party comparison, volume discounts, and 3-year TCO analysis for data center buyers.

Nov 28, 2025

200G QSFP-DD to 2×100G QSFP28 Active Optical Breakout Cable

200G QSFP-DD to 2×100G QSFP28 Active Optical Breakout Cable - 1 meter High-quality optical transceiver from EDGE Optical Solutions.

Jul 16, 2026

400G QSFP-DD ZR Coherent DCO Transceiver

Both modules are using the Silicon Photonics (SiPho) based optical engine and the latest DSP generation that enables 400G coherent transmission. The QSFP-DD

Aug 15, 2025

QSFP-DD Optical Transceivers for High-Speed Connections

QSFP-DD ports incorporate a riding heatsink that can be sized independently of the optical module, added on top of the module, or placed between modules. This flexibility enables switch and routing

Nov 12, 2025

200G Optical Transceiver: QSFP56 vs QSFP-DD

Learn about the differences between 200G QSFP56 and 200G QSFP-DD high-speed interconnects, including package density, interface method,

Jan 24, 2026

How 400G QSFP-DD Transceiver Modules Are Tested for Reliability

Learn how 400G QSFP-DD transceiver modules are tested for optical performance, signal integrity, BER, and reliability, ensuring seamless high-speed connectivity for data centers and cloud networks.

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://khanimamboguesthouse.co.za>

Email: sales@khanimamboguesthouse.co.za

Phone: +27 64 852 1973

Address: Unit 7, Greenway Business Park, 8 Innovation Drive, Centurion, 0157, South Africa

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