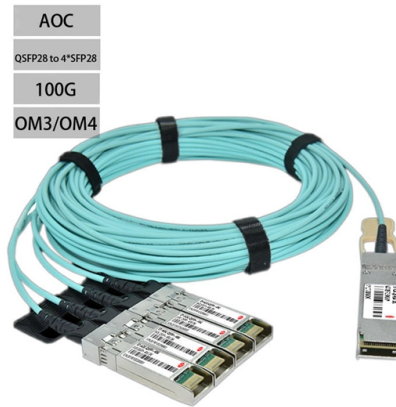


QDD optical module



Overview

The QDD 400G DR4 optical transceiver modules boast an advanced design that enables the grounded transmission of data rates of 400 Gbps over a distance of 500 meters of multimode fiber. The design operates at the 850nm wavelength. Cisco offers a comprehensive range of pluggable optical modules in the Cisco ® pluggables portfolio. Cisco offers a range of GBIC, SFP, XFP, SFP+, CXP, CFP, Cisco CPAK, and QSFP+ pluggable. The QSFP-DD DCO transceiver provides 400GBASE-ZR throughput up to 120km using EDFA over single-mode fiber (SMF) via an LC/UPC connector. The 400 Gigabit Ethernet signal is carried over four parallel and independent Single Lambda 100G PAM4 lanes. 400GBASE-XDR4 uses MTP/MPO-12 connector. 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 ROADMs networks. 400G DP-16QAM modulation format. This technology represents a leap forward in network infrastructure, enabling the high-speed data transmission required by modern applications such as cloud.

Article Content

400G/300G/200G QSFP-DD Digital Coherent Optics transceiver

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 ROADMs

Cisco 400G Digital Coherent Optics QSFP-DD Optical Modules Data

These small, modular optical interface transceivers offer a convenient and cost-effective solution for an array of applications in the data center, campus, metropolitan-area access and ring

400G Digital Coherent Optics: Optech's QSFP-DD Solution for Next

Optech's 400G digital coherent QSFP-DD modules (QDD-400G-ZR, ZR+, ZRP+) provide a powerful, scalable, and cost-effective optical interconnect solution for modern high-bandwidth

400G Digital Coherent Optics: Optech's QSFP-DD

Optech's 400G digital coherent QSFP-DD modules (QDD-400G-ZR, ZR+, ZRP+) provide a powerful, scalable, and cost-effective optical interconnect

Understanding the QDD 400G DR4: Optical Transceiver Modules

Discover the QDD 400G DR4 optical transceiver modules, compatible with Cisco and Juniper. Enjoy 500m link lengths with QSFP-DD connectors for enhanced performance.

GlobalFoundries accelerates adoption of co-packaged optics for

SCALE CPO solution is the industry's first OCI MSA capable platform and built with GF's proven silicon photonics technology MALTA, N.Y., May 4, 2026 - GlobalFoundries (Nasdaq: GFS)

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

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

400Gb/s QSFP-DD ZR+ Coherent Optical Transceiver

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

400ZR DCI Solution

Arista's 400ZR modules come in the same form-factor as 400G client optics modules: The OSFP and QSFP-DD. 400ZR OSFP and QSFP-DD modules can be plugged directly into a 400G switch/router

Cisco QDD-400G-ZR-S Compatible QSFP-DD DCO 400G DWDM

Using C-FEC and 16QAM modulation, the module supports 400G tunable WDM transmission per wavelength, with up to 40km unamplified and 120km amplified reach. It is intended to be used in

Global LPO Optical Transceiver Module Market 2025

LPO Optical Transceiver Module Market Analysis: The Global LPO Optical Transceiver Module Market size was estimated at USD 153 million in 2023 and

400G QSFP-DD SR8 & 400GBASE-SR8 Optical Modules | Complete

Comprehensive guide to 400G QSFP-DD SR8 optical modules. Explore 400GBASE-SR8 technical specs, applications, and benefits for data center connectivity. Learn about QDD-400G-SR8

400G QSFP-DD QDD-400G-XDR4 Module, Generic 1310nm 2km with

Inside the 400G QSFP-DD DR4 module, these electrical signals are internally converted into four 100G optical lanes. This allows the module to transmit data over four optical channels while

GlobalFoundries' Unveils Optical Module Solution Targeting CPO

GlobalFoundries (GF) has introduced an optical module solution for co-packaged optics (CPO). According to the company, the Silicon photonics Co-packag

Active Optical Module Market 2025

Active Optical Module Market was valued at 5916 million in 2024 and is projected to reach US\$ 15140 million by 2032, at a CAGR of 14.7%

GlobalFoundries accelerates adoption of co-packaged optics for

MALTA, N.Y., May 4, 2026 – GlobalFoundries (Nasdaq: GFS) (GF) today announced the introduction of its SCALE™ optical module solution for co-packaged optics (CPO). GF's SCALE solution, or Silicon

QSFP-DD 400G VR4 Optical Transceiver Module 50m

The 400G VR4 optical module is easy to integrate and safe for the environment because it can be hot-plugged and follows RoHS rules. It works at temperatures from 0°C to +70°C and uses less than 8W

Contact Us

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