

UAE Coherent Optical Module QSFP28



Overview

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, the module can accommodate IEEE 100GE Ethernet or ITU-T OTN OTU4 signals. The Cisco QSFP28 100G ZR module expands the portfolio of digital coherent optics (DCO) modules to connect QSFP28. 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. The UAE's #1 Trusted Supplier for Optical Transceivers, 40G/100G/400G Modules & High-Performance Connectivity. As the UAE accelerates its expansion in AI, cloud computing, hyperscale data centres, FTTH, and national digital infrastructure, the demand for 40G, 100G, 200G and 400G optical. 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 <. The Acacia QSFP28 100ZR optical module makes the benefits of coherent technology accessible to a wide range of applications such as access aggregation and campus/enterprise interconnects where a transition from 10G links to 100G is required to alleviate bandwidth constraints. Supporting 80km unamplified or 300km amplified over single-mode fiber with built-in FEC, this tunable C-Band module (Ch. 13-61) delivers -8dBm Tx power at 103.

Article Content

Optical Transceiver Market Size, Share, Industry Report

Optical Transceiver Market Size The global optical transceiver market was valued at USD 13.4 billion in 2025. The market is expected to grow from USD 15.4 billion in

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,

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

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,

OFC 2026: new launches round-up, part II

Here, below, optics reviews a selection of new launches and announcements from this week's expo. Related news: OFC 2026 showcases high-speed optical networking and

Coherent Corp. Announces General Availability of Dual-Laser Qsfp28

Coherent Corp. announced the general availability of the industry's first dual-laser QSFP28-DCO module designed to enable bi-directional 100G coherent transmission over a single

100G Optical Module Selection Guide: Advantages and Types of QSFP28

Explore the QSFP28 100G optical module, a vital component for high-speed network connections. Discover its unique features, advantages, and various types to meet diverse

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

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

Description 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

100G ZR Coherent QSFP28 DCO | Tunable | EDGEOPTIC

Our EDGEOPTIC 100G-Q28-DCO-ZR is a multi-vendor compatible 100G ZR Digital Coherent Optics (DCO) QSFP28 transceiver module designed for ultra-long-haul 100 Gigabit Ethernet and OTN

FinancialContent

External Laser Source Module for CPO This demo showcases Coherent's ELSFP compliant module integrating eight high-power 1310 nm lasers, with exceptional wavelength accuracy

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