

North Macedonian manufacturer s 400G optical module QSFP



Overview

The 400G QSFP-DD ZR is designed for 400G 120km DCI DWDM applications without inline chromatic dispersion compensation. It responsively coherent receivers to deliver high performance at 400G DP-16QAM modulation formats. With VOA inside the TX optical path, the output optical power is -13dBm~-9dBm. 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 transmission bandwidth density in 400G applications, with backward compatibility to previous generations of QSFP form factor modules, making it widely popular. Loss limited transmission reach up to 40km Full C-band tunable, 75GHz or 100GHz grid Case temperature range 0°C to 70°C Power dissipation < 18. It operates on full C-band DWDM wavelengths with 75GHz (up to 64 channels) or 100GHz (up to 48 channels) channel spacing, and is ideal for long-haul metro DCI and 5G backhaul applications. The. On April 20, Naddod officially released the new 400G QSFP-DD ER4 optical transceiver module. It achieves 12W power consumption and supports 40km single-mode fiber.



Article Content

Coherent 400ZR Series

Featuring a highly compact QSFP-DD form factor, our 400ZR and ZR+ optics can be plugged directly into end-application devices, such as optical terminals, switches,

400Gb/s QSFP-DD ZR Coherent Optical Transceiver

Description The 400G QSFP-DD ZR Transceiver is a high performance, cost effective module for optical data communication applications to 400G. The 400G QSFP-DD ZR is designed to 400G 120Km DCI

AI Datacenter Optics Market Size and Forecasts 2032

AI datacenter optics encompass optical transceivers, active optical cables, optical engines, co-packaged optics modules, and silicon photonics interconnect solutions deployed within

Global Optical Transceiver Market Strategic Audit 2026

Companies sitting on 400G and traditional telecom module inventory are already experiencing obsolescence risk, where products held longer than twelve months become financially

Single Mode Optical Modules Market 2026

Emergence of Coherent Optics for Long-Haul The market is seeing growing interest in coherent Single Mode Optical Modules for metro and long-haul applications, offering improved transmission

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

Pluggables, Power, and Geopolitics: Mapping the 800G

Pluggables, Power, and Geopolitics: Mapping the 800G and 1.6T Optical Transceiver Battle How AI Demand Is Reshaping Market Share, Supply

New Product | NADDOD Released Brand New Leading

On April 20, Naddod officially released the new 400G QSFP-DD ER4 optical transceiver module. This 400G QSFP-DD ER4 optical transceiver module

what is 400G QSFP-DD optical module□

QSFP-DD (Quad Small Form Factor Pluggable-Double Density) is a high-speed pluggable module package defined by the QSFP-DD MSA team, and is the first choice for 400G

400G QSFP-DD Optical Module

The global market for 400G QSFP-DD Optical Module was estimated to be worth US\$ million in 2024 and is forecast to a readjusted size of US\$ million by 2031 with a CAGR of %during the forecast

Understanding Optics Module Trends and Growth Dynamics

The Optics Module market is expanding rapidly, driven by data center proliferation and 5G deployment. Analyze the 12% CAGR to \$42 billion by 2033 with our market insights.

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

This article will provide a detailed comparison of the current mainstream 400G optical modules, including QSFP-DD, QSFP56, OSFP, CFP8,

Optical Transceiver Market: \$14.6B Size, 14.2% CAGR Forecast

Optical transceiver market driven by data center expansion & 5G rollout. Analyze \$14.6B market size, 14.2% CAGR, and strategic insights for 2026-2034.

Introduction to 400G QSFP-DD Optical Transceivers

QSFP-DD adapts the same basic concept as its predecessor, but doubles the electrical contact density, via eight differential pairs capable of 50 Gbps each, to

Optical Module Package Market 2025

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%

400G QSFP-DD ZR Coherent Optical Module

The GIGALIGHT 400G QSFP-DD ZR coherent optical module supports 400GE and OTN links reach up to 120km. It operates on full C-band DWDM wavelengths

400G SR4 QSFP-DD Optical Transceiver Module

400G QSFP-DD SR4 PAM4 Optical Transceiver Module (850nm MTP/MPO-12 OM3/OM4 60m/100m with FEC DDM) 400G QSFP-DD SR4 connects 400G

Global QSFP Optical Transceiver Market 2025

Global QSFP Optical Transceiver Market Overview QSFP optical transceiver is a four-channel small pluggable optical module with four independent full-duplex

Global 400G Silicon Optical Module Market 2024 by Manufacturers ...

Chapter 3, the 400G Silicon Optical Module competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

QSFPDD-ZR-400G Datasheet | FS

The FS QSFP-DD Digital Coherent Optics (DCO) transceiver supports 400G coherent transmission for data center interconnect and metro/edge applications.

400GBASE ZR+ QSFP-DD DWDM LC SMF SiPh Optical Transceiver

The Hyper photonix 400G QSFP-DD ZR+ transceiver is a high performance, cost effective module for optical data communication applications from 100G to 400G.

Malaysia QSFP Optical Module Market CAGR 2026-2033

The QSFP optical module market is witnessing significant growth in regions such as North America, Asia Pacific, and Europe, driven by the increasing demand for high-speed networking

400G QSFP-DD Optical Module

The QSFP-DD form factor, with its advantages of high speed, small size, and pluggability, has become highly favored for 400G applications. The 400G QSFP-DD optical module is one of the most popular

Optical Module Market Analysis and Forecast in 2026

AI computing power has driven explosive growth in the optical module market, with 800G and 1.6T technologies leading the industry transformation.

Breaking Through Trillion-Yuan Market Value: What's Right with the ...

In 2018, Zhongji Xuchuang launched the industry's first 400G QSFP - DD FR4 optical module, becoming one of the first global manufacturers to layout this high - end product. In 2020,

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

The 400G coherent optics modules transmit 400 Gbps over a single DWDM wavelength, enabling high-capacity links without requiring multiple fibers.

Optical Module Industry Statistics 2026

The optical module industry is facing increasing pressure to reduce its carbon footprint, with 40% of manufacturers targeting net-zero emissions by 2030. Competition in the 400G optical

Optical Transceiver Module : Products & Solutions | NEC

NEC has been developing and manufacturing optical transceivers for more than 30 years since the dawn of the optical communications era. Based on this extensive

400G ZR/ZR+ QSFP-DD-DCO | Lumentum

The Lumentum 400ZR module in a QSFP-DD form factor is designed for use by hyperscale data center operators and peering networks to provide high

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