

Mozambique Silicon Photonics Technology QSFP-DD



Overview

The 4x 100G QSFP-DD FR1 optical transceiver that provides 4 parallel 100GE links over 4 single mode fiber (SMF) pairs via its MPO-12 connector. Each fiber pair link is compliant to 100GBASE-FR1 and thus can support a 400GE to 4x 100GE breakout over 2 km. 5625 GBd PAM4 electrical. 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. Quad Small Form-factor Pluggable Double Density (QSFP-DD) solution that fits into high-density switch and router client ports for optical interconnect links Powered by Greylock and Delphi DSP ASICs, and silicon photonic integrated circuits (PICs) for an optimized co-packaged design with 3D. Chengdu, China March 2, 2022 - Eoptolink Technology Inc., Ltd (SZSE: 300502) today announces the launch of its QSFP-DD 400G ZR and ZR+ transceivers, using the Marvell® Deneb™ Coherent DSP (CDSP), addressing Data Center Interconnect (DCI) and Metro networks. The DR4 modulator chips have a 13.



Article Content

Hot

High-Speed Pluggable Optics with Silicon Photonics At

Increase network speeds with Cisco® Silicon Photonics Cisco designs and manufactures high-speed pluggable optical transceivers based on industry

Jul 19, 2025 Hot

Innovations in Silicon Photonics and Laser Technologies for 100G

In conclusion The synergy between silicon photonics and laser technologies is transforming the landscape of optical transceivers, making 100G QSFP28 transceivers more efficient,

Feb 11, 2026 Hot

Silicon Photonics Unlock New Architecture For 400G

Currently, what the interconnection scenarios within 2 kilometers of 400G data centers mainly deployed are the 400G QSFP-DD DR4 transceivers

Sep 06, 2025 Hot

QSFP-DD 400GBASE-FR PAM4 1310nm 2km Silicon Photonics

The 4x 100G QSFP-DD FR1 optical transceiver that provides 4 parallel 100GE links over 4 single mode fiber (SMF) pairs via its MPO-12 connector. Each fiber pair link is compliant to 100GBASE-FR1 and

Oct 26, 2025 Hot

Cisco 400G Digital Coherent Optics QSFP-DD Optical Modules

Thanks to the miniaturization of the technology with a 7-nm manufacturing procedure and innovation in silicon photonic technology, it is now possible to squeeze a 400G-capable Digital Coherent WDM

Oct 20, 2025 Hot

InnoLight's QSFP-DD Optical Transceiver

This report is an exhaustive analysis of the InnoLight 400G QSFP-DD optical transceiver, including a full analysis of the laser die, photodiode die, the TIA circuit, GaAs laser driver circuit, the PAM4 DSP

Oct 08, 2025 Hot

QSFP-DD Product Family » Acacia

Powered by Greylock and Delphi DSP ASICs, and silicon photonic integrated circuits (PICs) for an optimized co-packaged design with 3D Siliconization. Supports an expansive list of interoperability

May 06, 2026 Hot

Coherent Transceivers

Housed in industry-standard QSFP-DD and OSFP modules, these transceivers leverage Lumentum's state-of-the-art hybrid photonic integrated circuit technology, which combines indium phosphide and

Aug 31, 2025 Hot

Eoptolink Launches QSFP-DD 400G ZR and ZR

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

May 04, 2026 Hot

400GBASE ZR+ HO QSFP-DD

The 400G QSFP-DD ZR+ HO coherent transceiver is compliant with the OIF 400ZR and OpenZR+ standards. Digital diagnostic functions are available via I2C interface as specified by the

Jul 09, 2025 Hot

Single-Lambda 100G Pluggable Optics Solution

Through silicon photonics and signal processing technology, Cisco has taken the first step toward that vision: single-lambda 100G optics. When new

Apr 23, 2026 Hot

Silicon Photonics Light Up 400G Data Centers

Recently, FIBERSTAMP has launched 400G QSFP-DD DR4/DR4+ transceivers based on the Silicon Photonics technology, to help hyperscale data centers

Sep 02, 2025 Hot

SiPh 400G QSFP-DD DR4 500m

Description The Gigalight GQD-SI401DR4C is a transceiver module designed for 500m optical communication applications, and it is compliant to QSFP-DD MSA, IEEE 802.3bs protocol and

Sep 01, 2025 Hot

Integrated Silicon Photonics Transceiver Module for 100Gbit/s 20km ...

The architecture, packaging, and performance of a Silicon Photonics single transceiver chip PAM4 optical QSFP28 transceiver module for 100 Gigabit Ethernet compliant to 100GBASE-LR1 for 10km

Oct 03, 2025 Hot

Eoptolink Showcasing Industry Most Power-Efficient 800G Optical ...

Eoptolink has also launched 5nm DSP-based EML and silicon photonics 800G transceivers with power consumption of <14W from 0°C to 70°C. "Low power consumption is a crucial parameter in data

Apr 14, 2026 Hot

Silicon Photonics in 100G QSFP28: Laser Tech, Market Trends

Discover how silicon photonics and laser advancements redefine 100G QSFP28 performance. Compare VCSEL/EML/DML lasers, vendor strategies, and future-proof deployment

Nov 06, 2025 Hot

InnoLight's QSFP-DD Optical Transceiver

Executive Summary This full reverse costing study has been conducted to provide insight on technology data, manufacturing cost and selling price of the InnoLight's 400G QSFP-DD Optical Transceiver.

Jan 03, 2026 Hot

800G-ZR Coherent QSFP-DD

All available with in-house SiPh technology. For more information, visit us at en.genuine-opto or come meet us in Booth #3312.

Jun 18, 2026 Hot

30-40 mW CW Laser Sources for Silicon Photonics

NeoPhotonics has introduced new non-hermetic 30-40 mW DFB laser sources for use in Silicon Photonics 100G per wavelength CWDM4 FR4 and 1310

Oct 11, 2025 Hot

Specification - QSFP-DD

July 11, 2019 - QSFP-DD Hardware Specification for QSFP DOUBLE DENSITY 8X PLUGGABLE TRANSCEIVER - Rev 5.0 May 8, 2019 - Common Management Interface

Sep 28, 2025 Hot

Real-Time Demonstration of Silicon-Photonics-Based QSFP-DD

We demonstrate a real-time silicon-photonics-based 400GBASE-DR4 transceiver packaged in a QSFP-DD form factor. The performance of the transmitter including TDECQ,

Nov 25, 2025 Hot

800 Gbit/s QSFP-DD Transceiver Based on Thin-film ...

In this manuscript, we have extended our research into an 800G QSFP-DD transceiver integrated with two 4×100G DR4 chips.

Apr 01, 2026 Hot

GIGALIGHT Launches 400G QSFP-DD/QSFP112 DR4++ SiPh

Now, with mature silicon photonics integration technology, the power budget of the SiPh optical module can fully meet the 10km transmission requirements. The GIGALIGHT 400G QSFP

Oct 25, 2025 Hot

Hengtong Optic-Electric announces QSFP-DD 400G

Hengtong recently held a ceremony marking the launch of mass production of its silicon photonics based QSFP-DD 400G DR4 optical transceiver.

May 14, 2026 Hot

Cambridge Industries Group Ltd

✓ 1.6T OSFP-XD Modules: CIG demonstrated multiple 1.6T OSFP-XD modules, including EML-based and Silicon Photonics-based technologies. ✓ Liquid

Jun 30, 2026 Hot

Integrated Silicon Photonics Transmitter in 400GBASE-DR4 QSFP

We present the design and characterization of a 4-channel silicon photonics transmitter for 400Gbps DR4 data-center applications. A QSFP-DD transceiver module with this transmitter is demonstrated

Aug 30, 2025 Hot

Products » Acacia

Disruptive Innovation Acacia has harnessed the power of digital signal processing and silicon photonics and introduced packaging innovations such as 3D

Jan 14, 2026

Contact Us

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