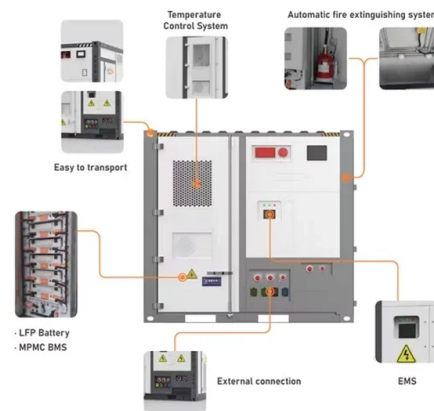


Jordanian optical transmitter QSFP-DD



Overview

The JFOPT QSFP-DD 400G (4x100G) 1310nm 2km FR4 LC DX transceiver is a high-performance 400Gb/s Quad Small Form Factor Pluggable-double density (QSFP-DD) optical module designed for optical communication applications over distances of up to 2km. JFOPT continues to invest in optical transceiver production, covering a full range of optical transceiver such as 1*9, SFP, 10G, 25G, 100G, 200G, 400G, 800G GPON/EPON/XG/XGSPON OLT transceiver. At the same time, our company provides TOSA, ROSA, BOSA semi-finished device solutions for the downstream. Abstract: This specification defines: the electrical and optical connectors, electrical signals and power supplies, mechanical and thermal requirements of the pluggable QSFP Double Density (QSFP-DD) module, connector and cage system. This document provides a common specification for systems. 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. The 400G DR4+ optical transmitter is compliant with the IEEE 802. Each optical lane is. The QSFP-DD DCO transceiver provides 400GBASE-ZR throughput up to 120km using EDFA over single-mode fibre (SMF) via an LC/UPC connector. With compliance to OIF MSA standards and multi-vendor interoperability, the module allows interoperability and rapid deployment with other standard-compliant.

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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

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Learn more about the Cisco QSFP-DD Open Line System (QDD OLS), a pluggable optical amplifier module that provides a simple yet powerful open line

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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

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

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),

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Unlocking the Future of Connectivity: Understanding

Discover the future of connectivity with QSFP-DD transceivers. Learn how this compact, high-density interface enhances 200G/400G interconnect

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QSFP-DD DCO 400G DWDM Tunable Coherent

Digital optical monitoring (DOM) support is also present to allow access to real-time operating parameters. Using C-FEC and 16QAM modulation, the module

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400G QSFP-DD FR4/LR4 Optical Transceiver

400 Gb/s FR4/LR4 QSFP-DD Optical Transceiver is a small form-factor, high speed, and low power consumption product targeted for use in optical interconnects for data communications applications.

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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

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400G PAM4 QSFP-DD DR4/DR4+/ 4xLR1 Optical Transceiver

The optical transceiver supports a full QSFP-DD-compliant set of control, alarm, and monitoring features through a standard I2C management interface, as well as low speed control pins which support

May 26, 2026 Hot

QSFP-DD Hardware

Abstract: This specification defines: the electrical and optical connectors, electrical signals and power supplies, mechanical and thermal requirements of the pluggable QSFP Double Density (QSFP-DD)

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400GBASE-DR4 QSFP-DD 1310nm 500m Silicon Photonics

Features Compliant with QSFP-DD MSA Four Parallel 1310nm Optical Lanes IEEE 802.3bs 400GBASE-DR4 Specification Compliant Compliant with RoHS Requirement Up to 500m Transmission on Single

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QSFP-DD Optical Transceivers – MapYourTech

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

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JFOPT QSFP-DD 400G FR4 Transceiver

The JFOPT QSFP-DD 400G (4x100G) 1310nm 2km FR4 LC DX transceiver is a high-performance 400Gb/s Quad Small Form Factor Pluggable-double density (QSFP-DD) optical module designed for

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Systems designed with QSFP-DD ports are backwards compatible to support existing QSFP+, QSFP28, and QSFP56 modules. This provides flexibility for network designs and migrations to next-generation

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QSFP-DD TRANSCEIVERS for 400G and 800G

QSFP-DD is the most widely adopted form factor for 400G, with great potential for 800G. While QSFP-DD prioritizes backward compatibility, OSFP's larger surface

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QSFP-DD Product Family » Acacia

Bright 400ZR+ QSFP-DD Pluggable Coherent Optical Module Metro/regional | Service provider ROADM networks Key Features High optical transmitter output

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

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Integrated Silicon Photonics Transmitter in 400GBASE-DR4 QSFP-DD ...

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

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400G QSFP-DD LR4 Optical Transceiver

This product is a 400Gb/s QSFP-DD optical module designed for 10km optical communication applications. The module converts 8 channels of 50Gb/s (PAM4) electrical input data to 4 channels

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QSFP-DD Fibre Optic Transceiver Technology Overview

QSFP-DD Fibre Optic Transceiver Technology Overview QSFP-DD The QSFP-DD (Quad Small Form-factor Pluggable - Double Density) form-factor is used for

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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

Nov 07, 2025

Contact Us

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