

# CE Certified Low-Power Optical Module QSFP-DD



## Overview

The QSFP-DD modules are our new generation of 400G transceiver modules based on a QSFP-DD form factor. Cisco has expanded the range of 400G digital coherent QSFP-DD transceivers with the 400G QSFP-DD. 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. 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. At the heart of this leap forward lies QSFP-DD (Quad Small Form Factor Pluggable Double Density) — an enhanced version of the proven QSFP form factor, designed to double the lane density and support data rates up to 400Gbps and beyond. The wide variety of modules gives you flexible and cost-effective options for all types of interfaces. Cisco offers a range of GBIC, SFP, XFP, SFP+, CXP, CFP, Cisco CPAK, and QSFP+ pluggable modules.

## Article Content

Cisco 400G QSFP-DD High-Power (Bright) Optical

The Cisco 400G QSFP-DD High-Power (Bright) Optical module multirate Ethernet/OTN variant shares the same HW platform (and so also the high Tx

QSFP-DD TRANSCEIVERS for 400G and 800G

Smartoptics QSFP-DD transceivers provide cost-efficient 400G and 800G optical networking. QSFP-DD (Quad Small Form-Factor Pluggable Double Density)

Comprehensive Guide to 400G/800G QSFP-DD Optical

From a technological perspective, both 400G and 800G QSFP-DD modules benefit from significant advancements. Silicon photonics has played a

Arista QDD-400G-XDR4-S-Arista | 400G QSFP-DD Transceiver,

Description The Arista QDD-400G-XDR4-S is a 400GBASE-XDR4 QSFP-DD transceiver engineered for high-speed data center and enterprise network connectivity. Operating at 1310nm wavelength over

Compatibility Analysis of Optical Modules: Covering Global

Recommended modules: 10G SFP+ LR,40G QSFP+ SR4/LR4 (supporting 10km single-mode transmission). Advantages: Supports PoE power supply and cluster switching,suitable for high

Cisco 400G QSFP-DD High-Power (Bright) Optical

Learn how Cisco 400G QSFP-DD High-Power (Bright) Optical module's small size and low power make it an optimal choice for a wide range of

400G QSFP-DD Cable and Transceiver Modules Data Sheet | FS

It provides a QSFP-DD-to-QSFP-DD copper direct-attach solution. They are suitable for very short links and offer a cost-effective way to establish a 400-Gigabit link between QSFP-400G ports of

400G OSFP to QSFP-DD Active Optical Cable (0.5-100m)

400G OSFP to QSFP-DD Active Optical Cable (0.5-100m) - 0.5. High-quality optical transceiver from EDGE Optical Solutions.

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

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

#### Cisco 400G QSFP-DD High-Power (Bright) Optical Module

Cisco 400G QSFP-DD High-Power (Bright) Optical module's small size and low power make it an optimal choice for a wide range of DCI/Cloud, metro access/aggregation, wireless backhaul, and

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

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

#### Understanding the QSFP-DD Standard: The Foundation of 400G

QSFP-DD (Quad Small Form Factor Pluggable Double Density) is an evolution of the QSFP family, extending its lane capacity from 4 to 8 high-speed electrical lanes. Each lane supports

#### SFP+, XFP, QSFP+, DAC Twinax Cable 10Gtek Transceivers Co., Ltd

DAC Twinax Cable Maker. CE, FCC, RoHS, ISO9001 Certified. Professional Manufacturer focusing on SFP+ Cables, QSFP+ Cables, MiniSAS Cables, QSFP Cables, XFP Cables, CX4 Infiniband Cables

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

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 network, storage

#### Optics Transceiver Module Market 2025

Broadcom's recent acquisition of optical transceiver assets and Juniper Networks' expanded line of QSFP-DD modules exemplify strategic moves to capture this growing demand.

#### 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

#### 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.

#### 100G QSFP-DD DCO : Optical Transceiver Module | NEC

NEC's 100G QSFP28 ZR DCO is a pluggable optical transceiver designed specifically for 100G, featuring a QSFP28 form factor that enables low power

Arista QDD-400G-SR8-C | 400G SR8 Transceiver, MMF 850nm,

Description The Arista QDD-400G-SR8-C is a high-performance 400GBASE-SR8 QSFP-DD optical transceiver designed for short-reach data center interconnects. Operating at 850nm over multi-mode

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

QSFP-DD Optical Transceivers Unlocking Faster

QSFP-DD Optical Transceivers deliver up to 800Gbps speeds, offering high bandwidth, energy efficiency, and compatibility for modern networks

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)

QSFP DD Guide: High-Speed QSFP DD Optical Modules

In this comprehensive guide, we will explore how QSFP DD works, why it has become a preferred optical module standard, and how it is deployed in modern data centers.

Arista QSFP-40G-SRBD-Arista | 40G QSFP+ Transceiver, BiDi Multi

- Digital Optical Monitoring (DOM) for real-time diagnostics - Hot-pluggable QSFP+ form factor - Low power consumption design - QSFP MSA SFF-8436 compliant - RoHS and CE certified - Extended

Arista QSFP-200G-SR4 | 200G QSFP56 Transceiver, 850nm, 100m

The Arista QSFP-200G-SR4 is a 200GBASE-SR4 QSFP56 optical transceiver designed for high-speed data center and enterprise network connectivity. It delivers 200 Gigabit Ethernet throughput over

QSFP-DD Optical Transceivers for High-Speed Connections

QSFP-DD ports incorporate a riding heatsink that can be sized independently of the optical module, added on top of the module, or placed between modules. This flexibility enables switch and routing

400G ZR+ QSFP-DD DCO Coherent Fiber Transceiver

100G/200G/400G Coherent QSFP-DD DCO ZR+ Transceiver Module (DWDM C Band 50GHz Grid: 191.15-196.1GHz) The QSFP-DD DCO 400ZR+ coherent

## Contact Us

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