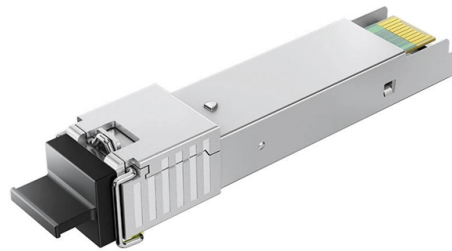


Upgraded version of QSFP-DD optical module for intelligent buildings



Overview

Cisco 400G QSFP-DD High-Power (Bright) Optical module Ethernet variant is an enhanced version of the currently available QSFP-DD ZR+ Optical Module leveraging the same operational modes but providing as a major enhancement the increase of the Tx Optical Power up to +1dBm (EoL). 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. Cisco offers a range of GBIC, SFP, XFP, SFP+, CXP, CFP, Cisco CPAK, and QSFP+ pluggable. The Cisco 400G QSFP-DD Ultra Long-Haul Coherent Optics Module enables 400G traffic anywhere over dense wavelength division multiplexing amplified networks, and is available in both C-band and L-band. QSFP-DD LPO TRANSCEIVER. Glasgow, UK September 29th, 2023 – The Quad Small Form Factor Pluggable Double Density (QSFP-DD) Multi Source Agreement (MSA) group announced today at the European Conference on Optical Communications (ECOC 2023), the release of a hardware specification revision 7.0 updating the QSFP-DD MSA. While 100G remains the workhorse for enterprise edges, the core data center has rapidly migrated to 400G (QSFP-DD) and is actively piloting 800G deployments. These enable the QSFP-DD800 to be optimized for 8x100G operation and the QSFP112 to meet 4x100G requirements.

Article Content

Press Releases – QSFP-DD

Glasgow, UK September 29th, 2023 – The Quad Small Form Factor Pluggable Double Density (QSFP-DD) Multi

QSFP-DD Transceiver Guide 2026: Complete 400G/800G Deployment

Master QSFP-DD transceiver deployment for 400G/800G networks. Compare module types (SR8/DR4/FR4/LR4),

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

Cisco 400G QSFP-DD High-Power (Bright) Optical module Ethernet variant is an enhanced version of the currently

QSFP-DD Maximum Speed and Future Outlook

Need to understand QSFP-DD maximum speeds and deployment strategies? Discover

QSFP-DD TRANSCEIVERS for 400G and 800G | Smartoptics

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

QSFP DD Guide: High-Speed QSFP DD Optical Modules

Learn how QSFP DD enables high-speed 400G networking with higher density,

Complete QSFP-DD Compatibility Guide for Data Centers

Complete QSFP-DD compatibility guide with switch matrix, firmware requirements, and MSA compliance. Verify

QSFP-DD MSA releases hardware specification revision 7.0

This updates the existing QSFP-DD MSA specification and introduces the QSFP-DD1600 module variant to drive

NVIDIA Optical Modules: QSFP-DD/OSFP 800G

Explore NVIDIA's advanced optical module solutions featuring QSFP-DD and OSFP form

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

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

Optical Transceiver: SFP vs SFP+ vs QSFP28 vs QSFP-DD

This article provides a comprehensive comparison of mainstream optical transceivers, including SFP, SFP+, QSFP+,

OSFP vs QSFP-DD Comparison | 800G Optical Module Form Factors

Detailed analysis of OSFP and QSFP-DD form factors for 800G optical modules. Compare specifications, thermal

400G QSFP-DD and OSFP Transceivers | A Direct Comparison!

Read a direct comparison here of how the two form factors, QSFP-DD and OSFP, of 400G modules differ in terms of

Cisco 400G QSFP-DD Ultra Long Haul Coherent Optics Module Data

Cisco has expanded the range of 400G digital coherent QSFP-DD transceivers with the 400G QSFP-DD Ultra Long

QSFP-DD vs OSFP vs QSFP56 vs QSFP112 | FiberMall

QSFP-DD is the mainstream module of 400G transceivers which is different than other form

Cisco 400G QSFP-DD: Understanding Optical Transceiver Modules

Discover the Cisco 400G QSFP-DD optical transceiver modules, designed for high bandwidth in data centers, ensuring

Why 200G QSFP-DD Transceivers Are a Practical Upgrade Path

Learn how 200G QSFP-DD transceivers support scalable network upgrades between 100G and 400G, including use

Ultimate Guide to QSFP-DD 400G Optical Modules: Everything You

The QSFP-DD 400G optical module has become a key element in the fast-changing field of data transmission

Detailed Explanation of QSFP Optical Module Packaging

Detailed explanation of QSFP optical module packaging, covering specifications, rate enhancements, and compatibility of QSFP+,

SFP vs SFP+ vs QSFP vs QSFP28 vs QSFP-DD: Upgrade Guide

SFP, SFP+, QSFP, QSFP28, and QSFP-DD differ in bandwidth, lane architecture, physical size, power draw, and

OSFP vs QSFP-DD vs QSFP112 - Choosing the Best

Compare OSFP, QSFP-DD, and QSFP112 transceivers. Learn key differences, speed,

400G Optical Modules: The Most In-Depth Q&A You'll Ever Need!

Due to the differences in physical size and incompatible connector protocols, a 400G OSFP optical module cannot be

QSFP-DD MSA Announces Initial Release of 1.6 Tbps Pluggable

This new specification extends the QSFP-DD leadership to 1.6 Tbps with broad support from component

The Ultimate Reference Table for SFP & QSFP Optical Transceiver ...

The definitive guide to SFP, QSFP, and QSFP-DD standards for 2025. Compare 400G/800G optics, understand

QSFP-DD MSA Group offers rev 6.0 specifications for QSFP

Rev. 6.0 provides initial specifications for QSFP-DD800 and QSFP112 optical modules. The group also released an updated

QSFP-DD Optical form factor: An evolutionary approach

To support that, the Optical Internetworking Forum is working to define a pluggable 400 GbE

QSFP-DD Linear Pluggable Optics (LPO)

Amphenol's QSFP-DD Linear Pluggable Optical (LPO) Transceiver delivers low-latency, high-bandwidth

QSFP-DD Compatible Switches: Complete 2025 Vendor Guide

Find which switches support QSFP-DD modules. Our 2025 guide covers Cisco, Arista, Juniper and NVIDIA platforms

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