Canadian Active Optical Devices QSFP-DD



Overview

QSFP-DD is a new module and cage/connector system similar to current QSFP, but with an additional row of contacts providing for an eight lane electrical interface. It is being developed by the QSFP-DD MSA as a key part of the industry's effort to enable high-speed solutions. It is designed for relatively short connection, offering high-density solution alternative for system providers. Amphenol's QSFP-DD Linear Pluggable Optical (LPO) Transceiver delivers low-latency, high-bandwidth PCIe ® Gen 5. 0 over optical link, enabling scalable server disaggregation and efficient rack-to-rack interconnects ideal for AI/ML and rack-scale data center expansion. The Cisco 400GBASE Quad Small Form-Factor Pluggable Double Density (QSFP-DD) portfolio offers customers a wide variety. FS provides an expanding portfolio of 400G OSFP/QSFP112/QSFP-DD solutions featuring high-performance, high-bandwidth, and backward compatibility. Click to get your 400G transceiver. Cisco offers a comprehensive range of pluggable optical modules in the Cisco ® pluggables portfolio. 8 Ft Compact High Speed Network Device Fiber First Optic End AOC For X Approved Networks.



© 2026 CGWEB NETWORK INFRASTRUCTURE - All rights reserved

Article Content

400G QSFP-DD Active Optical Cable Datasheet | FS

400G QSFP-DD to 400G QSFP-DD Active Optical Cable enables low-power, high-reliability and high-speed interconnections over very thin copper cables without using any optical components.

QSFP-DD Linear Pluggable Optics (LPO)

Watch Amphenol''s expert demonstrate the QSFP-DD Linear Pluggable Optics in action at the OFC 2025! Lightning-fast PCIe Gen 5

Cisco 400G QSFP-DD Cable and Transceiver Modules

The Cisco® family of QSFP-DD modules provide the industry''s highest bandwidth density while leveraging the backward compatibility to lower

400G OSFP/QSFP112/QSFP-DD | Transceiver Modules

FS provides an expanding portfolio of 400G OSFP/QSFP112/QSFP-DD solutions featuring high-performance, high-bandwidth, and backward compatibility. The

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

Approved Networks 400G QSFP-DD Active AN-CAB-QDD-AOC-3M

AOC Technology feature designed for convenience and ease of use, ensuring smooth operation and improved functionality across supported devices QSFP-DD Network delivers stable signal routing to

SFP, QSFP, QSFP-DD, OSFP ACTIVE OPTICAL CABLE ASSEMBLIES

TE Connectivity''s (TE) active optical cable assembly portfolio provides improved cable flexibility and longer reach, as compared to both traditional passive copper solutions and emerging active copper

QSFP DD Cable Assemblies | High Speed Input Output

Amphenol''s QSFP DD (Quad Small Form Factor Pluggable Double Density) copper cable assemblies double the number of channels from 4 to 8

400G QSFP-DD Active Optical Cable

P-DD MSA Hardware Specification. High speed electrical specifications are compliant with QSFP-DD MSA Hardware Specification and IEEE802.3bs Annex 120E over operating case temperature 0

© 2026 CGWEB NETWORK INFRASTRUCTURE - All rights reserved

400G QSFP-DD LR4 Optical Transceiver for High-Performance

□□ OEM/ODM 400G QSFP-DD LR4 – Built for High-Performance Networks As AI, cloud computing, and hyperscale data centers continue to drive demand for higher bandwidth, reliable 400G optical ...

Hot-Pluggable Optical Transceiver Market Trends & 2033 Outlook

The QSFP (Quad Small Form-Factor Pluggable) Transceiver Market segment stands as a dominant force within the broader Hot-Pluggable Optical Transceiver Market, primarily due to its

400G PAM4 QSFP-DD DR4/DR4+ Transceiver

400 Gb/s DR4+ (Data Center Reach 4-lane) QSFP-DD Optical Transceiver is a small form-factor, high speed, and low power consumption product targeted for use in optical interconnects for data

400G Digital Optical Transceiver Market: 11.47% CAGR to $11.14B

The established ecosystem, robust supply chain, and broad vendor support for QSFP-DD have made it the de facto standard for 400G deployments, ensuring its sustained dominance over

200G QSFP DD Active Optical Cable (AOC)

Amphenol QSFP DD to QSFP DD 200G Active Optical Cable assemblies increase the number of lanes from 4 to 8 and double the port density as compared to 100G QSFP28 AOC. These

Hot-Pluggable Optical Modules Market: $15B by 2025, 12% CAGR

The Hot-Pluggable Optical Modules market is projected to reach $15 billion by 2025, expanding at 12% CAGR. Growth is driven by cloud services, data centers, and AI infrastructure.

Hot-Pluggable Optical Transceiver Market: 10.84% CAGR & 2033

QSFP Dominance in Hot-Pluggable Optical Transceiver Market Within the Hot-Pluggable Optical Transceiver Market, the Quad Small Form-Factor Pluggable (QSFP) segment, encompassing

QSFP-DD Optical Transceivers for High-Speed

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

All About QSFP Cables, Connectors, and More

© 2026 CGWEB NETWORK INFRASTRUCTURE - All rights reserved

The type of transceiver used depends on the cable type, application, required optical range of the network, and desired data transmission rate. QSFP Active Copper Cable Assemblies

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

Contact Us

Continue your research online:

Website: https://cgweb.co.za
Technical inquiry: https://cgweb.co.za/project-enquiry.html

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 CGWEB NETWORK INFRASTRUCTURE - All rights reserved