

Industrial-grade optical switch for surveillance QSFP-DD



Overview

Amphenol's QSFP-DD high-speed connector family features a scalable, high-performance interconnect platform with 76 contacts on a 0.8mm pitch and a dual-mating interface. The QSFP-DD family supports legacy QSFP channels on the front interface and four additional channels on the. High-bandwidth, low-latency QSFP optical transceivers engineered for large-scale IP surveillance infrastructure — delivering reliable, real-time 4K/8K video transmission across enterprise and smart city deployments. This. 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. By partnering with tier-1 optical component manufacturers, we ensure every module meets the highest industry standards. Each transceiver undergoes rigorous testing and comes. Amphenol's QSFP-DD Linear Pluggable Optical (LPO) Transceiver delivers low-latency, high-bandwidth PCIe ® Gen 5. QSFP-DD LPO TRANSCEIVER. The Cisco ® family of QSFP-DD modules provide the industry's highest bandwidth density while leveraging the backward compatibility to lower-speed QSFP pluggable modules and cables. The Cisco 400GBASE Quad Small Form-Factor Pluggable Double Density (QSFP-DD) portfolio offers customers a wide variety.

Article Content

Ultimate QSFP Transceiver Guide: Types (40G/100G) & Compatibility

Confused by QSFP types? Decode the differences between QSFP+, QSFP28 (100G), and QSFP-DD. Learn how to select the right speed, connector (SR4 vs LR4), and Cisco-compatible coding for your

DCS-7342-32D2X

The DCS-7342-32D2X is a high-performance Layer 3 data center switch engineered for AI-driven, high-speed and scalable environments. With a high-density configuration of 32 x 400G QSFP-DD ports, it

100M/328FT Outdoor Armored LC to LC Fiber Optic Cable, 4 Core

About This Industrial-Grade Durability: Engineered with a rugged 5.0mm industrial TPU jacket and dual-layer armor (steel tube + stainless mesh), this LC to LC fiber optic cable resists water, UV,

QSFP-DD Connectors | High Speed I/O | Amphenol

The QSFP-DD family supports legacy QSFP channels on the front interface and four additional channels on the rear interface. This interconnect

QSFP-DD Optical form factor: An evolutionary approach

And finally the use-case advantage of using the same form factor is significant as it enables multi-speed port options on switches – slower optics in

Cisco Transceiver Modules

Cisco Transceiver Modules - Learn product details such as features and benefits, as well as hardware and software specifications.

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

We provide an industrial-grade reference framework, complying with the latest MSA (Multi-Source Agreement) updates, including SFF-8679 Rev 1.8.4 (Jan 2025), to help you design

GIGALIGHT Launches 200G (8 x 25G) QSFP-DD Industrial-grade Optical ...

GIGALIGHT announces the upgrade of the 200G QSFP-DD SR8/PSM8 optical module to the industrial temperature range.

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

Optical Module Temperature Grade: Commercial, Extended, and Industrial ...

From SFP, SFP+, QSFP28, to QSFP-DD, manufacturers produce modules across commercial, extended, and industrial temperature ranges. Q5: How do I monitor optical module

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

The QSFP-DD was conceived by the QSFP-DD MSA group, including Cisco, Intel, Broadcom, and Mellanox (now NVIDIA). The goal was to enable 400G and 800G speeds within the

Data Center Optical Transceiver Market Size, Share, Trends

QSFP-DD and OSFP form factors are displacing older QSFP28 modules as the industry standard for 400G and above deployments. Co-Packaged Optics (CPO) represents the most disruptive near-term

QSFP-DD Compatible Switches: Complete 2025

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

Marvell and OE Solutions Announce Industry's First Commercially ...

Coherent Pluggable Modules with High Optical Output Power Enhances 10G to 100G Network Transition and Economics for 5G Backhaul and Aggregation SANTA CLARA, Calif., Sept.

Cisco 400G QSFP-DD Cable and Transceiver Modules

It provides a QSFP-DD-to-QSFP-DD copper direct-attach solution. QDD-400-CuxM cables are suitable for very short links and offer a cost-effective

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

QSFP-DD Connectors, Cages and Cable Assemblies

TE's next generation QSFP-DD products are aligned with the industry's 112G channel performance needs on signal integrity performance. QSFP-DD cages

Optical Transceivers SFP SFP28 QSFP28 QSFP-DD 1G to 400G Range

By partnering with tier-1 optical component manufacturers, we ensure every module meets the highest industry standards. Each transceiver undergoes rigorous testing and comes supported by a Limited

Comprehensive Guide to QSFP - MapYourTech

QSFP Family Evolution QSFP+ (Original Quad Small Form-Factor Pluggable) The original QSFP+ module supports 4 lanes of 10 Gbps

800G Module Packaging: QSFP-DD or OSFP, Which Fits Your Needs?

Discover the differences between 800G QSFP-DD and OSFP modules. Learn which packaging offers the best performance, heat dissipation, and scalability.

Qsfp Optical Transceiver For Ip Surveillance Camera Networks

From smart city command centers to industrial perimeter security, QSFP optical transceivers deliver the performance, reliability, and scalability that modern IP surveillance demands.

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

Cisco now offers a range of all new 400G Digital Coherent QSFP-DD transceivers. Cisco already offers a range of Digital Coherent CFP2 transceivers capable of supporting up to a 200-Gbps

QSFP-DD Linear Pluggable Optics (LPO)

Amphenol's QSFP-DD Linear Pluggable Optical (LPO) Transceiver delivers low-latency, high-bandwidth PCIe ® Gen 5.0 over optical link, enabling

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://adicor.eu>

Email: info@adicor.eu

Phone: +33 6 48 37 92 15

Address: 12 Rue de la Paix, 75002 Paris, France

This document is for informational purposes only. Specifications subject to change without notice.

