

Swedish OEM optical modulator QSFP-DD



Overview

The STC-QSFPDD-LR4-10KM transceiver from Swedish Telecom delivers 400Gbps Ethernet over up to 10 kilometers of single-mode fiber (SMF). It uses four LAN-WDM optical lanes, each operating at 106.3 Tbs 400GBASE-LR4 and QSFP-DD MSA specifications. 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. QSFP-DD LPO TRANSCEIVER. 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. As a. 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.



Article Content

STC-QSFPDD-LR4-10KM – 400G QSFP-DD LR4 10km Transceiver

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SFP Module Transceivers, Manufacturer & Supplier

YXFiber is China manufacturer & supplier who mainly produces SFP Module, SFP Transceivers, with years of experience. Hope to build business relationship with

OEM 800G QSFP-DD Optical Modules: Technical Overview and

OEM 800G QSFP-DD modules must be fully compatible with major switch and NIC vendors to ensure market acceptance and reduced integration risk.

DESIN SLUINS

How to Power Your QSFP-DD Optical Transceiver Growth in the optical transceiver market is driven by demand for higher Ethernet speed in cloud computing, the Internet of Things, and virtual data

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

High-Speed Opto Modules

Opto Modules are optical transceiver modules that convert electrical signals into optical signals and vice versa, enabling high-speed data transmission over long distances in fiber optic networks. Used in

Ultimate Guide to QSFP-DD 400G Optical Modules:

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

400G DWDM: QSFP-DD transceiver vs DWDM

400G DWDM coherent optical transceiver is the combination of 400G QSFP-DD form-factor and DWDM coherent technology.

800GBASE-PLR8 QSFP-DD PAM4 1310nm 10km DOM

Description 800GBASE-PLR8 QSFP-DD Optical Transceiver Module (SMF, 1310nm, 10km, MTP/MPO-16, DOM) The Generic Compatible QSFP-DD

STC-QSFPDD-FR4-2KM – 400G QSFP-DD FR4 2km Transceiver

The STC-QSFPDD-FR4-2KM is a 400Gbps optical transceiver designed for short to mid-range data center and metro network applications. It delivers 400G Ethernet traffic across up to 2 kilometers of

QSFP-DD Optical Transceivers for High-Speed Connections

Cisco helped define the QSFP-DD form factor Multisource Agreement (MSA) to meet the requirements of next-generation switching and routing applications. Cisco offers a comprehensive portfolio of

400G Passive DAC QSFP-DD to QSFP-DD 0.5M -

The 400G Passive Direct Attach Copper OSFP to OSFP Cable 0.5M is a state-of-the-art connectivity solution designed for the most demanding high bandwidth - EN

What is QSFP-DD CFP2 DCO DWDM coherent optical module?

The QSFP-DD coherent optical module uses a 76-pin connector as the electrical interface to connect to the system board. All control interface pins work properly with the help of internal MCU,

QSFP-DD Optical Module Wiki

QSFP-DD (Quad Small Form Factor Pluggable-Double Density) is a new modular connector system that utilizes a dual-density, four-channel, small, hot-swappable optical module

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 Module Overview: What is the differ?

This article will introduce the next generation optical module in detail, QSFP-DD, also known as quad small factor pluggable, and this article will also

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

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

Global logistics for optics: 2026 Lead times & Risks

Discover how 2026 global logistics for optics and DSP lead times impact 800G data center deployments. Learn to troubleshoot PAM4, FEC, and CMIS failures.

Differences Between QSFP-DD and QSFP+ / QSFP28 /

As a leading solution in high-speed applications, QSFP-DD transceivers are often compared with other modules such as QSFP56,

Cisco QSFP-DD Pluggable Open Line System (QDD

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

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

QSFP DD Guide: High-Speed QSFP DD Optical Modules

Learn how QSFP DD enables high-speed 400G networking with higher density, compatibility, and performance for modern data centers.

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)

Contact Us

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

Website: <https://www.sky-connect.co.za>

Email: info@sky-connect.co.za

Phone: +44 20 7946 0958

Address: 1 Cornhill, London EC3V 3ND, United Kingdom

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