

San Marino LPO Optical Module QSFP-DD

Rear of the optical fiber distribution box



Overview

The 800GBASE-2SR4 optical transceiver module has a hot-pluggable QSFP-DD form factor with a dual MPO12 APC connector to simplify network integration and maintenance. 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. His 50 million dollar AI training cluster which contained 1024 advanced GPUs operated at 65 percent capacity. The system experienced performance problems because the 100G network. 800G LPOs are designed without DSPs or CDRs, resulting in significantly lower power consumption and dramatically reduce latency compared to conventional DSP based solutions. The reduction in latency and power has become a key driver for the growing demand for LPOs in applications such as. The FS® 400GBASE Quad Small Form-Factor Pluggable Double Density (QSFP-DD) portfolio offers customers a wide variety of super high-density transceiver modules and the flexibility of 400 Gigabit Ethernet connectivity options for data center, high- performance computing networks, enterprise core and. Smartoptics QSFP-DD transceivers provide cost-efficient 400G and 800G optical networking.



Article Content

QSFP-DD 800G 2SR4 Optical Transceiver Module

Built-in digital diagnostics for real-time monitoring. Ideal for HPCs, AI data centers, and low-latency connections. The 800GBASE-2SR4 optical transceiver module

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), cable options, pricing, and implementation best practices.

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

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-DD800 800G Loopback Module

The built-in surge current mitigation technology mitigates the DUT risks from being damaged. The broad operating temperature range accommodates the enterprise, datacom and telecom applications. The

800G LPO QSFP-DD800

We offer transceivers for VR8, 2xDR4, 2xVR4, 2xFR4 interfaces. Our vertical integration for optical engines enables leading performance and per consumption.

800G QSFP-DD LPO 2DR4

Linktel's LPO portfolio consists of both QSFP-DD and OSFP modules. Linktel Technologies provides high-quality and cutting-edge products and solutions for high speed optical I/O connectivity, including

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

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

QSFP-DD TRANSCEIVERS for 400G and 800G

QSFP-DD is the most widely adopted form factor for 400G, with great potential for 800G. While QSFP-DD prioritizes backward compatibility, OSFP's larger surface

Contact Us

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