

QSFP Optical Module EML



Overview

It employs four non-cooled EML lasers with CWDM wavelengths, achieving a single-wave rate of 106.25 Gbps based on PAM4 modulation. These signals are multiplexed and coupled into a single-mode fiber (SMF) for transmission, with a maximum transmission distance of up to 2 km via SMF. FS 40G QSFP+ optical transceiver module solutions offer a full range of QSFP+ modules from 150 m to 80 km reach, and used for high-density switching, routing and data center applications. ● Hot-swappable input/output device that plugs into a 100G Gigabit Ethernet Cisco QSFP port. ● Interoperable with other IEEE-compliant 100GBASE interfaces where. CA OPTRONICS GROUP CADM-SPO401-LR8C is an Eight-Channel, Pluggable, Parallel, Fiber-Optic QSFP Double Density for 2x200 Gigabit Ethernet Applications. This module can convert 8-channel 53. The main focus is on four models: FR4/FR8 (2 km) and LR4/LR8 (10 km).

Article Content

InnoLight's QSFP-DD Optical Transceiver

This report is an exhaustive analysis of the InnoLight 400G QSFP-DD optical transceiver, including a full analysis of the laser die, photodiode die, the TIA circuit, GaAs laser driver circuit, the PAM4 DSP

High Compatible 100G QSFP28 ZR 1310nm 80Km Optical Transceiver Module

Product Summary High Compatible 100G QSFP28 ZR 1310nm 80Km Optical Transceiver Module Description Gezhi Photonics 100G QSFP28 ZR4 is designed for 80km optical communication

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

Top 10 Optical Transceiver Manufacturers in the World (2026)

Sourcing optics for your data center? Discover the top 10 optical transceiver manufacturers in 2026. Compare global giants and factory-direct OEM alternatives.

Wholesale Optical Transceivers Module | 100G

Shop high-speed optical transceivers from Unitekfiber. We offer 100% compatible 40G, 100G, and 400G QSFP-DD modules for data centers. Expert technical

PAM4 DSPs

PAM4 DSPs MaxLinear's highly integrated PAM4 DSPs offer superior link-margin performance and low power to enable 100G, 400G, 800G, and 1.6T optical interconnects inside the data center.

QSFP Optical Module Planning for the Future: Key Trends 2026-2034

Explore the dynamic QSFP optical module market, forecast to reach \$14.7 billion by 2025 with a 4.5% CAGR. Discover key drivers, trends, and applications in high-speed networking and data

Optical Module Package Market 2025

South America In South America, the Optical Module Package market is in a nascent growth phase, with Brazil leading in telecommunication infrastructure upgrades. Demand is concentrated in urban

NSComm100G Optical Transceiver Modules: A Practical Guide

This guide breaks down QSFP28 modules - SR4, LR4, and DR, with advice on reach, fiber types, connectors, power, DOM, interoperability, and lifecycle management.

OEM 100G QSFP28 & 200G QSFP56, QSFP-DD, CFP2

WolonFiber manufactures strictly MSA-compliant 100G QSFP28 and 200G QSFP56, QSFP-DD, and heavy-duty CFP2 optical interconnects optimized for ultra-dense Spine-Leaf topologies and long-haul

Optical Modules: 400G, 800G, 1.6T, and PCB Selection in Manufacturing

Optical modules are critical components in modern communication systems, acting as the bridge between electrical and optical signals. In simple terms, they convert electrical signals from

Generic Compatible 400GBASE-SR8 QSFP-DD

NADDOD Generic Compatible 400G QSFP-DD SR8 optical transceiver modules are designed for AI and HPC data center 400G Ethernet networks. This 400G module

All About QSFP Cables, Connectors, and More

QSFP interconnects include direct attach copper (DAC), active optical cables (AOC), optical modules, and active copper cables (ACC). DACs are the

GIGALIGHT 400G QSFP-DD FR4 2Km EML Transceiver Module

Description This Giglight GQD-SPO401-FR4X product is designed for 2km optical communication applications. The module converts 8 channels of 50Gb/s (PAM4) electrical input data to 4 channels

Small Form-factor Pluggable

Small Form-factor Pluggable Small Form-factor Pluggable connected to a pair of fiber-optic cables Small Form-factor Pluggable (SFP) is a compact, hot-pluggable

100GBASE QSFP-100G Modules Data Sheet

The Cisco QSFP-100G-SR-S Module is a pluggable optical transceiver with a duplex LC connector interface supporting link lengths of 70 and

QSFP 40G: Which Transceiver Type Best Suits Your Needs?

A deep dive into QSFP 40G transceiver types (SR4, LR4, ER4, CR4) for data centers. Compare specifications, applications, and performance to select the optimal fiber optic module for

Cisco 400G QSFP-DD Ultra Long Haul Coherent Optics

The Cisco 400G QSFP-DD Ultra Long-Haul Coherent Optics Module enables 400G traffic anywhere over dense wavelength division multiplexing

FIBERSTAMP 400G QSFP112 FR4 2Km EML

This FIBERSTAMP 400G QSFP112 FR4 product is designed for 2km optical communication applications. The module converts 4 channels of 100Gb/s (PAM4)

400G QSFP-DD PSM8 10km Optical Transceiver Module

The Common Management Interface 400G QSFP-DD PSM8 10km Optical Transceiver Module Specification (CMIS) for QSFP DD modules, This module incorporates CA OPTRONICS GROUP

Overview of 400G QSFP-DD Mid-Range Optical

It employs four non-cooled EML lasers with CWDM wavelengths, achieving a single-wave rate of 106.25Gbps based on PAM4 modulation. These

Optical Transceivers

Supporting the OpenZR+ Multi-Source Agreement (MSA), the new 400G OpenZR+ QSFP-DD Optical Module from Molex provides a high level of performance and

40G QSFP+ Transceiver Modules | Optical Transceivers

FS 40G QSFP+ optical transceiver module solutions offer a full range of QSFP+ modules from 150m to 80km reach, and used for high-density switching, routing and data center applications. Click to get

400GE QSFP-DD FR4 2km Optical Transceiver Module

It has been designed to meet the harshest external operating conditions including temperature, humidity and EMI interference. The module offers very high functionality and feature integration,

2026 Global Optical Module Selection Guide (Website Homepage)

Compatibility First: Confirm port type (SFP+/QSFP-DD), firmware version, and MSA standards. Cost Optimization: Silicon photonics / LPO for short reach; EML for long haul; bulk orders

QSFP28 Transceiver: Complete 100G Connectivity Guide (2026)

QSFP28 transceiver guide covering module types, pricing, compatibility, and deployment. Learn how to choose, deploy, and troubleshoot 100G QSFP28 optics.

Contact Us

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

Website: <https://charratcommunication.fr>

Email: sales@charratcommunication.fr

Phone: +33 1 42 68 93 17

Address: 15 Rue de la Paix, 75002 Paris, France

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

