

In-stock pluggable optical modules QSFP



Overview

Compact, hot-pluggable modules with advanced diagnostics and connector options (LC, MPO, MPO-16). Quad Small Form-factor Pluggable Double Density (QSFP-DD) solution that fits into high-density switch and router client ports for optical interconnect links. Powered by Greylock and Delphi DSP ASICs, and silicon photonic integrated circuits (PICs) for an optimized co-packaged design with 3D. 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 your 40G QSFP+ transceiver modules from nearby warehouses. These hot-pluggable transceivers provide high-density, high-performance connectivity. Discover how QSFPTEK helped PacketStream engineer a reliable 200G DWDM network over 36km using 25G optics, overcoming 100G module scarcity. Provide IPRO with a. The QSFP-DD pluggable optical transceiver module market is projected for substantial expansion, fueled by escalating demand for enhanced bandwidth and accelerated data transmission speeds within data centers and telecommunications networks. The industry's trajectory towards 800G and higher speeds. Cisco offers a comprehensive range of pluggable optical modules in the Cisco® pluggables portfolio. Cisco offers a range of GBIC, SFP, XFP, SFP+, CXP, CFP, Cisco CPAK, and QSFP+ pluggable.

Article Content

Introduction to 800G Optical Module

QSFP-DD (Quad Small Form-Factor Pluggable Double Density) utilizes a dual-density, four-channel small hot-swappable optical module packaging. It adheres to IEEE802.3bs and QSFP

Optical Transceivers | Network Solutions for AI Cluster,

This article explores how to interconnect OSFP and QSFP-DD ports in 400G/800G networks, covering key principles, form factor differences, and practical solutions

DCI Optical Modules | Delivering high bandwidth over

Explore DCI Modules Marvell offers a portfolio of DCI modules designed to efficiently transmit data over regional fiber networks. Using Marvell coherent

Comprehensive Guide to QSFP – MapYourTech

QSFP modules utilize a high-density card-edge connector providing both high-speed differential data lanes and low-speed control/monitoring

The Ultimate Guide to SFP Modules (2026): Types,

What is an SFP? SFP (Small Form-factor Pluggable) is a compact, hot-pluggable network interface module used to connect network devices (switches, routers,

Cisco 100G QSFP28 Transceiver Modules – Network Warehouse

Product Overview The Cisco 100GBASE Quad Small Form-Factor Pluggable (QSFP) portfolio offers customers a wide variety of high-density and low-power 100 Gigabit Ethernet connectivity options for

XVR-10079-20 Arista 100GBASE-PSM4 QSFP Optical Transceiver Module

The Arista XVR-10079-20 100GBASE-PSM4 QSFP optical transceiver module is engineered to support ultra-fast 100 Gigabit Ethernet connectivity across modern enterprise, hyperscale, and data center

QSFP-DD Linear Pluggable Optics (LPO)

QSFP-DD LPO TRANSCEIVER DESIGNED FOR PCIe® GEN 5.0 DATA RATES Amphenol's QSFP-DD Linear Pluggable Optical (LPO)

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

Co-Packaged Optics (CPO) Market Trends 2026: AI Data Center Optical ...

Traditional products: Pluggable optical modules (SFP, QSFP, OSFP) Emerging solutions: Co-packaged optical engines Integrated optical I/O systems System-level optical interconnect

Optical module

An optical module is a typically hot-pluggable optical transceiver used in high-bandwidth data communications applications. Optical modules typically have an electrical interface on the side that

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

Browse optical transceivers from Pivotal Optics including SFP, SFP28, QSFP28 & QSFP-DD modules. 1G to 400G solutions for data centers & networks. Shop now!

Cisco 400G Digital Coherent Optics QSFP-DD Optical

These small, modular optical interface transceivers offer a convenient and cost-effective solution for an array of applications in the data

QSFP-DD Product Family » Acacia

OpenZR+ QSFP-DD Pluggable Coherent Optical Module Metro/regional Ethernet data center | Service provider network interconnects Key Features High

40G QSFP+ Transceiver Modules | Optical Transceivers

Click to get your 40G QSFP+ transceiver modules from nearby warehouses. 30-Day Free Return. Trusted by 260K+ Enterprise Users.

SFP MSA Standards: Technical Guide for Optical Modules

From SFP and QSFP to today's QSFP-DD and OSFP form factors, MSA specifications define how optical modules are mechanically, electrically, and logically designed—ensuring that products from

Cisco 40G QSFP+ Transceiver Modules - Network Warehouse

The Cisco 40G QSFP+ transceiver modules portfolio offers customers a wide variety of high-density and low-power 40 Gigabit Ethernet connectivity options.

QSFP 100G DR Guide for High-Speed Data Center Connectivity

Understanding QSFP 100G DR Technology A QSFP 100G DR transceiver is a hot-pluggable optical module designed to deliver 100 Gigabit Ethernet connectivity over single-mode

NVIDIA Optical Modules Buying Guide: QSFP-DD vs OSFP 800G

Comprehensive guide to NVIDIA optical modules covering QSFP-DD and OSFP 800G solutions. Learn about compatibility, deployment considerations, and technical specifications for

NVIDIA/Mellanox MMA4Z00-NS-T Compatible

NVIDIA/Mellanox MMA4Z00-NS-T Coherent VCSEL & Broadcom DSP Compatible
OSFP-800G-2xSR4 OSFP PAM4 Optical Transceiver Module, Support

QSFP28 Optical Transceiver Modules for Sale (100G) | Cables on

Our QSFP28-SR Multi-Mode-Fiber (MMF) Optical Modules integrate a 12-lane MTP/MPO fiber receptacle (port) for 100G Ethernet links using industry-standard MTP/MPO fiber patch cords up to

QSFP-DD Pluggable Optical Transceiver Modules Market's Drivers

The QSFP-DD pluggable optical transceiver module market is projected for substantial expansion, fueled by escalating demand for enhanced bandwidth and accelerated data transmission

QSFP+ iSR4 (100M) Optical Transceiver Module

The QSFP+SR4C is a Four-Channel, Pluggable, Parallel, Fiber-Optic QSFP+ Transceiver for 40 Gigabit Ethernet Applications. This transceiver is a high

Cisco Optics | Transform Your Network

Get the highest quality, performance-leading optical transceivers for any network architecture. Find the transceiver model to fit your network.

Global QSFP Optical Transceiver Market 2025

QSFP optical transceiver is a four-channel small pluggable optical module with four independent full-duplex transceiver channels. It was originally designed to

Differences Between Optical Modules SFP, SFP+, CFP, XFP, QSFP

QSFP, known as Quad Small Form-factor Pluggable, is a four-channel small form-factor pluggable optical module with four independent full-duplex transceiver channels.

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