

100G Optical Module Platform



Overview

QSFP28 is the main form factor for 100G optical modules. It features low power consumption, high port density, compact size, and cost efficiency. This article reviews QSFP28 module types and key WDM technologies like CWDM and DWDM. Comprising five flagship platforms, Centenario, Jesko, Portofino, Gemera, and Cygnus, Broadcom's DSP PAM-4 portfolio covers 100G, 400G, 800G, and 1.6T PMDs. 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 data center, high-performance computing networks, enterprise core and distribution layers, and service provider. 100G Transceivers by JTOPTICS deliver high-speed optical data transmission and are ideal for data centers, enterprise networks, and telecom applications. It also covers major modulation formats (such as NRZ, PAM4, and. Cisco® QSFP28 100G ZR extends 100GbE coherent links from QSFP28 ports reaching up to 80km over dark fiber and up to 300km over amplified Dense Wave Division Multiplexing (DWDM) links.

Article Content

Cisco Optics | Transform Your Network

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

PSE 100G/400G pluggable coherent optics

Our pluggable coherent modules are used across our optical network platforms, converged IP-optical

A Comprehensive Guide to 100G Optical Transceiver Module Form

Understand 100G optical transceiver form factors like QSFP28, CFP, CFP2, CFP4 and CXP. Learn how they

Arista Optics Modules and Cables

Overview Arista's Optical Modules and Cable portfolio offer a wide variety of high-density and low-power 800G (dual 400G), 400G,

Cisco Transceiver Modules

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

COLORZ® 100G DWDM Optical Platform for Data Center Interconnects

Description The COLORZ® reference design is the industry's first Silicon Photonics 100G PAM4 DWDM platform solution for Data

100G QSFP28 Transceivers: Types, Specs and How to Choose

A complete guide to 100G QSFP28 transceivers covering types, specs, reach, compatibility, and how to choose the right module for

CFP Optical Module: Complete Guide, Types, and 100G Use Cases

Understand CFP optical modules, including types, 100G applications, pros and cons, and CFP vs QSFP28

Overview of 100G Optical Modules and Modulation

Explores 100G Optical Modules types and modulation techniques, focusing on PAM4 and

What's New Inside a 100G ZR Module? EFFECT

What's New Inside a 100G ZR Module? In the optical access networks, the 400ZR pluggables that have

Data Center Products | Lumentum

Our portfolio includes 100G and 200G EMLs, CW lasers, optical transceivers, and optical circuit switch (OCS) platforms that deliver

JTOPTICS 100G Transceivers | High-Performance 100G Solutions

JTOPTICS® 100Gb/s transceiver module designed for optical communication applications compliant to 100G 4WDM 10 MSA. The

100g light module characteristics and application

A 100G optical module is a high-speed optical transceiver that is capable of transmitting data at a rate of 100 gigabits

Key Differences Of 100G, 400G, And 800G Explained

optical modules with different rates have been launched one after another, among which

100G QSFP28 Transceivers: Types, Specs and How to Choose

In this guide, we provide a comprehensive, practical overview of 100G QSFP28 modules, covering their working principles, module

PSE 100G/400G pluggable coherent optics

Our pluggable coherent optical modules support a variety of data rates, including 100Gb/s and 400Gb/s to

100GBASE QSFP-100G Modules Data Sheet

The Cisco 100GBASE Quad Small Form-Factor Pluggable (QSFP) portfolio offers

Cisco Transceiver Modules

Learn how to future-proof your investment as the optics industry transitions to new 100G pluggable form factors. The

A Comprehensive Guide to 100G Optical Transceiver□2025□

A 100G optical transceiver module is an optical-electrical interface that supports 100 Gbps Ethernet, InfiniBand EDR, or Fibre

Arista 100G Transceivers and Cables: Q& A

Arista supports a full range of 100G copper cables and optical transceivers compliant to IEEE standards and industry MSAs. Arista's

100G to 1.6T Optical Module PHY Product Selection Guide

100G to 1.6T Optical Module PHY Product Selection Guide Broadcom's Optical Module PHY portfolio spans multiple technology

Cisco QSFP28 100G ZR Digital Coherent Optics Module

The Cisco QSFP28 100G ZR module expands the portfolio of digital coherent optics (DCO) modules to connect QSFP28 ports.

Contact Us

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