

# 200g Single-Module Fiber Optic



## Overview

Our 200GBASE-FR4 QSFP56 transceiver enables cost-effective 200G connectivity for data center interconnects. Supporting 2km transmission over single-mode fiber with CWDM wavelengths (1270/1290/1310/1330nm), this module delivers 4 dB link budget with PAM4 modulation at 53.125 Gbps. The Cisco® family of QSFP modules provide solutions for AI/ML data center applications, Network Interface Cards (NICs) on servers, and for data center switches, while leveraging the breakout capabilities and backward compatibility to lower-speed QSFP pluggable modules and cables. Designed for use in next-generation datacenters, these reliable and robust modules support high speed bit rates up to 200Gb/s over. GIGALIGHT 200G QSFP-DD PSM8 20km optical transceiver modules are used for medium to long distance interconnections in data centers and are compliant with 100G PSM4 MSA specification and 200G Ethernet transport protocols, as well as compatible with 8x10G/25G Ethernet and InfiniBand QDR/EDR transport.

## Article Content

High-Speed, Short-Range 200G Optical Solution: T1-QSFP56-200G

Utilizing the QSFP56 form factor, this module supports the 200GBASE-SR4 standard and operates over a wavelength of 850nm, offering high-speed data transmission up to 100 meters using

200G QSFP-DD PSM8 DML 1310nm 20km Optical Transceiver

GIGALIGHT 200G QSFP-DD PSM8 20km optical transceiver modules are used for medium to long distance interconnections in data centers and are compliant with 100G PSM4 MSA specification and

200G Optical Transceiver

200G QSFP-DD/QSFP56 optical transceiver is a high-speed network transmission device designed for 200G Ethernet interconnection. It uses PAM4 modulation

Optical Transceivers / SFP Modules – High-Performance Compatible Fiber ...

Comprehensive Optical Transceivers & SFP Module for High-Speed Networks LINK-PP offers a full range of optical transceivers and SFP module for modern data centers, telecom networks, and

200G QSFP56 Active Optical Cable with DDM (1-100m)

200G QSFP56 Active Optical Cable with DDM - 1 meter High-quality optical transceiver from EDGE Optical Solutions.

200G Optical Transceivers | High-Speed QSFP56 Modules for Data

Boost network performance with 200G optical transceivers. Designed for data centers, 5G, and cloud infrastructure, our QSFP56 modules deliver low latency, high reliability, and seamless compatibility.

Arista QSFP-200G-FR4-Arista | 200G QSFP56 Transceiver, Single

Description The Arista QSFP-200G-FR4 is a 200GBASE-FR4 QSFP56 optical transceiver designed for data center and enterprise networks requiring high-bandwidth connectivity up to 2km over single

G654.E Fiber Optic Cables

Huihong Technologies Limited is a trusted and professional manufacturer specializing in G.654.E fiber optic cables, meeting the demands of cutting-edge

Technology from 400G to 800G to 1.6T Transceivers

This paper describes the technical route of optical communication from 400G to 800G to 1.6T optical modules and compares pluggable and CPO.

200G-AOC-QSFP56-2QSFP56-1

200G QSFP56 to 2x100G QSFP56 Active Optical Breakout Cable - 1 meter High-quality optical transceiver from EDGE Optical Solutions.

200G QSFP-DD to 2x100G QSFP28 Active Optical Breakout Cable

200G QSFP-DD to 2x100G QSFP28 Active Optical Breakout Cable - 1 meter High-quality optical transceiver from EDGE Optical Solutions.

200G Optical Transceiver Modules | Broadex Technologies

Broadex Technologies' high performance and cost effective 200G Optical Transceiver Modules are built utilizing our innovative COB technology in a

Cisco 200G QSFP56 Cables and Transceiver Modules

The Cisco 200G QSFP-200-CuxM module (Figure 1) primarily enables high-bandwidth 200G links and supports 200G & 100G Ethernet rates. It

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

Custom 100G QSFP28 Single Lambda Module Future-proof your network for 400G transitions. Utilizing advanced PAM4 DSP technology, these next-generation modules transmit a full 100Gbps over a

Arista Networks QSFP-200G-FR4 Compatible

The Arista Networks QSFP-200G-FR4 Compatible 200GBASE-FR4 QSFP56 Transceiver Module is designed for 200GBASE Ethernet throughput up to 2km

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

Confused by SFP vs SFP+? Read the definitive 2026 guide on SFP modules. We explain Single Mode vs Multimode, DDM diagnostics, and how to choose the right

Arista OSFP-200G-2LR4-Arista | 200G OSFP Transceiver, Dual LC, Single-

Description The Arista OSFP-200G-2LR4 is a 200G OSFP optical transceiver designed for long-reach data center and enterprise network connectivity. It features 2x 100GBASE-LR4 interfaces with dual

Custom 200GBASE-DR4 QSFP56 Module | 500m MPO SMF

The Custom 200GBASE-DR4 qsfp56 module resolves this by injecting four 50Gbps PAM4 signals directly into parallel single-mode fiber pairs. Built within WolonFiber's class-100k cleanrooms, this

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

A: For cross-facility and metropolitan DCI links utilizing dark fiber, we offer specialized 100GBASE-ER4 and 100GBASE-ZR4 QSFP28 single-mode modules (reaching up to 40km, 80km, or 100km) and

## Active Optical Cables AOC SFP QSFP 10G 25G 100G 400G Fiber

Pivotal Optics' Active Optical Cables (AOCs) are fully integrated, plug-and-play fiber assemblies designed for short- to medium-range high-speed data links—without the need for separate

## JTOPTICS 200G Transceivers | High-Performance 200G Solutions

200G Transceivers by JTOPTICS deliver high-speed optical data transmission and are ideal for data centers, enterprise networks, and telecom applications. Engineered for reliability and scalability,

## 10 Best Fiber Optic Manufacturers for 2026

Discover the best fiber optic manufacturers globally, offering cutting-edge multimode and single mode fiber solutions. See who tops the list for quality

## QSFPDD 200G 2xCWDM4 2km Optical Transceiver

FiberWDM's RQD-200G-2CWDM4 200GE QSFP-DD 2xCWDM4 Optical Transceiver modules are designed for using in 2x100G Ethernet 2km links over single-mode fiber. They are compliant with the

## 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

## How Optical Modules Power the Evolution of 5G Networks

Optical modules enable high-speed, low-latency 5G networks by converting signals for fast, reliable data transfer, supporting seamless

## DWDM Technology/Module/Products for Sale, DWDM

DWDM Technology (dense wavelength division multiplexing) can combine multiple optical wavelengths and transmit them with one optical fiber. This is a laser

## Contact Us

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