

# QSFP28 Optical Module Pins



## Overview

Complete QSFP28 100G pinout reference with detailed pin functions, descriptions, and logic types for network engineers and hardware designers. You'll find info on the functionality and usage of each pin in the QSFP28 connector. GND is the symbol for signal and supply (power) common for. The FS® 100GBASE Quad Small Form-Factor Pluggable (QSFP28) 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. The Lumentum 100G QSFP28 LR4 Optical Transceiver is a full duplex, photonic-integrated optical transceiver that provides a high-speed link at aggregated data rate of either 103.81 Gbps over up to 10 km of SMF28. The module complies with IEEE 802.3-2015 Clause 88 and 83E standard and. This guide provides the definitive roadmap for selecting, deploying, and troubleshooting QSFP28 transceivers while bypassing the painful trial-and-error phase. Below, you will find comprehensive module comparisons, realistic market pricing, and precise vendor compatibility protocols to ensure a. Enter the Qsfp28 connector pinout: a compact, yet formidable connector that holds the key to unlocking the true potential of high-speed data transfer. As we embark on this journey to unravel. Amphenol's 100G QSFP28 optical modules include SR4, AOC, AOC break out, CWDM4, LR4, ER4 Lite, ER4 and ZR4 series, which adopt LC or MPO optical ports and are compatible with IEEE802.3bm, SFF-8636 and other standards; With low power consumption and small size, it is mainly used in 100G data center.

## Article Content

### Huawei QSFP28-100G-LR4 Optical Module Datasheet

The transmitting end of an optical module converts electrical signals into optical signals, while the receiving end converts optical signals back into electrical signals. Optical modules are classified by

### 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

### Hilink Optics QSFP QSFPDD OSFP 10G SFP

If you have any questions about Hilink Optics CWDM DWDM QSFP QSFPDD OSFP 10G SFP transceivers, we will give the professional solutions to you.

### QSFP28 Optical Transceiver 100 Gigabit Ethernet for up to 10 km Reach

Each data stream is recovered by a PIN photodetector transimpedance amplifier, retimed and passed to a CAUI-4 compliant output driver. This module features a hot-pluggable electrical interface, low

### Custom 50G QSFP28 Optic Transceiver | Long-Haul Reach | WolonFiber

Deploy unamplified 50G links over single-mode fiber. Our Custom 50G QSFP28 modules provide robust performance for legacy switch upgrades.

### 100G QSFP28 DR1 Optical Transceiver

The 100 Gbps DR1 QSFP28 optical transceiver pinout is compliant with the QSFP specifications in SFF-8436. The table below lists and describes all of the electrical pins of the module.

### SFP, SFP+, SFP28, QSFP+ and QSFP28 optical modules

Generally, QSFP28 modules cannot be broken down into 10G links. However, a QSFP+ module can be plugged into a QSFP28 port if the switch supports it. In conclusion In general, SFP,

### Custom 50G QSFP28 Optic Transceiver | Long-Haul Reach | WolonFiber

The Custom 50G QSFP28 SMF module is a specialized solution for transitional network architectures. While SFP56 is the modern 50G standard, many enterprise core switches utilize QSFP28 ports

### 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!

## What is SFP Port? Everything You Need to Know

What is an SFP port? The SFP port also refers to a Small Form-factor Pluggable port. It is a compact mechanical slot that accepts an SFP

## 100G QSFP28 Cable and Transceiver Modules Data Sheet | FS

This module contains 4-lane optical transmitter, 4-lane optical receiver and module management block including 2 wire serial inter-face. The optical signals are multiplexed to a single-mode fiber through

## 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.

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

In the data center, various types of optic module transceiver are seen everywhere, such as SFP, SFP+, XFP, SFP28, QSFP/QSFP+, CFP and QSFP28

## MIKROTIK 100Gbps QSFP28 Fiber Optic Transceiver Module LC

The module has built-in digital diagnostic functions, including optical power monitoring, and will perform well in environments up to 70° C. It has been designed to meet the harshest conditions, including

## Complete Qsfp28 Connector Pinout Guide

Now that we have established the significance of pinout, let us delve into the specific functions and configurations of the various pins within the Qsfp28 connector.

## What Is QSFP28? A Clear Explanation of 100G Transceivers

Learn what QSFP28 is, how 100G transceivers work, key standards, module types, and common deployment scenarios in modern data center networks.

## 100Gb/s QSFP28 Transceivers | Optical Interconnect

Amphenol's 100G QSFP28 optical modules include SR4, AOC, AOC break out, CWDM4, LR4, ER4 Lite, ER4 and ZR4 series, which adopt LC or

## SFP+, XFP, QSFP+, DAC Twinax Cable 10Gtek Transceivers Co., Ltd

DAC Twinax Cable Maker. CE, FCC, RoHS, ISO9001 Certified. Professional Manufacturer focusing on SFP+ Cables, QSFP+ Cables, MiniSAS Cables, QSFP Cables, XFP Cables, CX4 Infiniband Cables

## Intel® Ethernet QSFP28 Optic

Intel® Ethernet QSFP28 Optics are an excellent choice for fiber systems in high-speed communications equipment. Both short range and long-range transceiver modules are available for maximum

## Ortronics Extreme QSFP28 Module

C2g 10403-ZR4-A for \$2,325.98 - Ortronics Extreme Qsfp28 Module - For Optical Network, Data Networking - 1 X Lc Duplex 100gbase-zr4 10403zr4a at CompSource as of Wednesday May 20,

## QSFP28 100G Pinout Guide | Pin Functions & Descriptions

Complete QSFP28 100G pinout reference with detailed pin functions, descriptions, and logic types for network engineers and hardware designers.

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

High Compatible 100G QSFP28 ZR 1310nm 80Km Optical Transceiver Module Description Gezhi Photonics 100G QSFP28 ZR4 is designed for 80km optical communication applications. This module

## MIKROTIK 100GbE QSFP28 Optical Transceiver Module 10km LC

High-performance 100Gbps QSFP28 fiber module for reliable long-range connectivity up to 10km. Features advanced digital diagnostics. Fast shipping to Latvia, Estonia, and Lithuania. 2-Year Warranty.

## 100GBase-LR4-QSFP28 Spec Sheet

The high-performance cooled LAN WDM EA-DFB transmitters and high sensitivity PIN receivers provide superior performance for 100G applications up to 10km links and compliant to optical interface with

## Data Center 100G QSFP28 Transceiver LR4 1310nm 10km LC Module

Product Summary Data Center 100G QSFP28 LR4 1310nm 10km LC Module LR4 100G Product Description 100G QSFP28 LR4 10km 1310nm Optical Module The QSFP28 Module Provides

## Arista QDD-400G-DR4 Compatible 400GBASE-DR4

Description Arista QDD-400G-DR4 Compatible 400GbE QSFP-DD DR4 1310nm 500m FEC SMF Optical Transceiver Moudle (PAM4, MTP/MPO, DDM,

## Contact Us

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