



**Adam Tas Corridor Energy**

# **Australian OEM QSFP optical module NRZ**





## Overview

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These products feature four channels of 25G NRZ electrical signals and four channels of 25G NRZ optical signals, a duplex LC connector, a distance of up to 10km reach via single-mode fiber, a case temperature range of 0°C~70°C, and compliance with IEEE 802. The HW QSFP-100G-BIDI-G2 Compatible 100G SWDM4 Bi-Directional QSFP28 transceiver supports short-reach 100G connections over duplex LC multimode fibre. It delivers up to 75m on OM3, 100m on OM4, and 150m on OM5 using four wavelengths that carry 4×25G over existing duplex MMF infrastructure, enabling. His 100G spine links kept dropping with CRC errors, and the system showed a frustrating mix of interface flapping and unexplained downtime. Leveraging advanced PAM4 modulation and proprietary low-power DSP technology, our Wuhan facility. Today, we will deeply analyze the four mainstream models of 100G QSFP28 dual-fiber optical modules: QSFP28-100G-SR4, QSFP28-100G-LR4, QSFP28-100G-ER4 and QSFP28-100G-ZR4.



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### Cisco QSFP-40/100-SRBD Compatible 40/100GBASE-SM4 SWDM4



The Cisco QSFP-40/100-SRBD Compatible 40/100GBASE-SM4 SWDM4 QSFP28 Optical Transceiver Module is designed for use in 40/100G Ethernet. In 40 Gbps mode, the transceiver supports link

### Juniper Networks JNP-QSFP-4X10GE- LR 4x10GBASE

Juniper JNP-QSFP-4X10GE-LR Compatible 4x 10GBASE-LR QSFP+ Optical Transceiver Module (SMF, 1310nm, 10km, MTP/MPO, DOM) The QSFP+ module



### Cisco QSFP-40G-SR4 Compatible 40GBASE-SR4 QSFP+ Transceiver Module

FS for Cisco QSFP-40G-SR4 compatible QSFP+ optical transceiver provides 40GBASE-SR4 links up to 150m over multimode fibre (OM4 MMF) at a wavelength of 850nm using a MTP/MPO connector.

### 100G QSFP28 Optical Transceiver Modules

FS 100G QSFP28 module solutions provide various high-density, low-power 100 Gigabit



Ethernet connectivity options for data centre, high-performance computing networks, enterprise



### Specification of 200G QSFP-DD PSM8 Optical Module

The 200G QSFP-DD PSM8 utilizes NRZ encoding rules and employs parallel single-mode 8 lanes, also known as parallel single-mode technology, in its optical module.



### Cisco QSFP-100G-LR4-S Transceiver Module

Cisco Compatible 100GBASE-LR4 and 112GBASE-OTU4 QSFP28 Dual Rate 4 x 25G NRZ 1310nm 10km DOM Duplex LC/UPC SMF Optical Transceiver Module



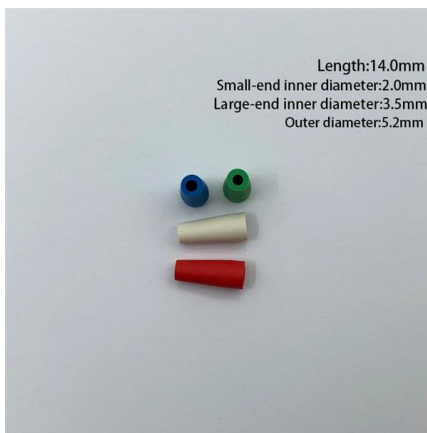
### HW QSFP-100G-BiDi 4 x 25G NRZ-G2 Compatible

Use the Compatibility Tool to verify FS transceiver compatibility with your device



## SFP SFP+ QSFP Modules: Speed, Distance & Network Scalability

SFP SFP+ QSFP Modules: Which Optical Module Is Right for Your Network? In a world where bandwidth demands continue to rise,



## 100G Optical Module Mainstream Model Analysis: 100G QSFP28

Using 4-channel 25G NRZ wavelength division multiplexing technology (LWDM4) converts 4-channel 25Gbps electrical signals into 4-channel LAN WDM optical signals are then

## 100GBASE-LR4 QSFP28 4 x 25G NRZ 1310nm 10km DOM Duplex

The QSFP28 module provides 100GBase-LR4 throughput up to 10km over a standard pair of single mode fibre (SMF) with duplex LC connectors. This transceiver is compliant with IEEE 802.3



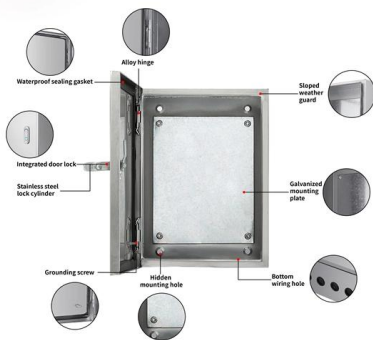
## Comprehensive Guide to QSFP - MapYourTech

QSFP28 increases the per-lane data rate to 25 Gbps using Non-Return-to-Zero (NRZ) modulation, achieving 100 Gbps aggregate bandwidth.



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

Direct OEM/ODM manufacturer of 100G/200G transceivers for AI clusters & hyperscale cloud. 100% tested 100G QSFP28, 200G QSFP56, QSFP-DD & CFP2 solutions.



### 100G-QSFP28-AI and Data Center Networking

These products feature four channels of 25G NRZ electrical signals and four channels of 25G NRZ optical signals, a MTP/MPO connector, a distance of up to

### QSFP-DD Optical Transceivers for High-Speed

Cisco offers a comprehensive portfolio of QSFP-DD modules across copper, multimode fiber, and single-mode fiber, optimized for a broad range of



Length:44mm  
Small-end inner diameter:3.0mm  
Large-end inner diameter:5.5mm



## QSFP-DD Optical Module Wiki

QSFP-DD (Quad Small Form Factor Pluggable-Double Density) is a new modular connector system that utilizes a dual-density, four-channel, small, hot-swappable optical module

## NVIDIA Mellanox LinkX Ethernet Optical Transceivers

NVIDIA ® Mellanox ® LinkX ® Optics Ethernet transceivers are used to create high-speed, 100G-400G links supporting every configuration, reach, and speed in



## Cisco Compatible 100GBASE-LX4 QSFP28 4 x 25G NRZ 1310nm

Cisco Compatible 100GBASE-LX4 QSFP28 4 x 25G NRZ 1310nm 2km/100m DOM Duplex LC/UPC SMF/MMF Optical Transceiver Module, Product Specification:Part Number - QSFP-LX4-100G,

## Juniper Networks Compatible 100GBASE-ZR4 QSFP28 4 x 25G NRZ

Juniper Networks Compatible 100GBASE-ZR4 QSFP28 4 x 25G NRZ 1310nm 80km DOM Duplex LC/UPC SMF Optical Transceiver Module, Product Specification:Part Number - QSFP-ZR4-100G,



## **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**

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For datasheets, pricing, or custom telecom energy solutions, please visit:  
<https://koskolong.co.za>