

# Custom-made optical transmitter for Afghanistan QSFP28



## Overview

A quad, small form-factor pluggable 28 Gbps optical transceiver design scheme is proposed. It is capable of transmitting 50 Gbps of data up to a distance of 40 km using modulation signals with a level-four pulse-amplitude. Cooled Optical Engine: Equipped with TEC-stabilized EML transmitters to support extended spans without spectral broadening. It operates on 1270 nm (TX) / 1310 nm (RX) wavelengths and uses a standard LC connector. The module integrates cooled 4 × 25. Topstar focuses on R&D and has our Top-trans” brand SFP/SFP+/XFP+QSFP/CFP/QSFP28 series of modules, we offer 24\*7 hours online service and OEM&ODM product tailored to provide you one-stop network service experience. TopStar proudly own 3,000 Square Meters complete Dust-Free workshop. Eoptolink takes leading market share for 400G transceiver production for Tier 1 DC, system vendors and operators, we offer market lowest power. An Optical Transceiver is a critical optoelectronic component that facilitates seamless electro-optical (E-O) and photo-electric (O-E) conversion within fiber-optic networks. Unitekfiber, a global optical transceiver wholesaler, provides a comprehensive portfolio of MSA-compliant. QSFPTEK 100G BIDI QSFP28 transceiver module can save your fiber resources in most cost-affective way. Best for Long-haul or region Networks.

## Article Content

Oct 02, 2025

QSFP28 | GigOptics

Optical transceivers are available in many form factors and flavors. The ones shown here are the most in demand by our customers. If you cannot find the exact one that you are looking for or if you have any

Jun 07, 2026

100G Transmission Using 100G QSFP28 Transceivers

100G QSFP28 ER4 transceiver can multiplex four wavelengths (1295nm, 1300nm, 1305nm, 1310nm) of optical signals. The four optical signals

Jan 08, 2026

QSFP 100G LR4: 1310nm Single Mode Fiber Module Explained

QSFP 100G LR4 (often written as QSFP28 100GBASE LR4) is a 100-Gigabit Ethernet optical transceiver module that supports up to 10km transmission distance over single-mode fiber (OS2).

Apr 10, 2026

100G QSFP28 Transceiver Modules | Optical

FS offers a growing portfolio of 100G QSFP28 modules. The 100G QSFP28 module solution provides high-performance 100GbE connectivity for data centres,

Aug 23, 2025

100GBase QSFP28 LR4 1310nm 20km SMF DOM LC

The high performance cooled LAN WDM DFB transmitters and high sensitivity PIN receivers provide superior performance for 100Gigabit Ethernet applications up to

Oct 22, 2025

Product solutions

Here you can find legacy products or customized optical transceiver. We are proud of our R& D capability that is able to develop custom made types in shortest time.

Aug 22, 2025

Customized QSFP28 100GBASE-SR BiDi 850nm 100m

The 100GBASE-SR Bi-Directional QSFP28 transceiver is a pluggable optical transceiver with a duplex LC connector interface for short-reach data

Nov 12, 2025

## 100G QSFP28 Optical Transceivers | Transceiver Modules

Buy online compatible 100G QSFP28 transceivers at QSPTEK for high-performance 100GbE connectivity. QT QSFP28 includes 100GBASE-SR4/LR4/ER4/ZR4, from 100m to 80km.

Aug 22, 2025

## 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

May 11, 2026

## SFP Transceiver,100G QSFP28,100G CFP,10G SFP,Topstar

We are dedicated to helping you build, connect, protect and optimize your network. Topstar focuses on R& D and has our Top-trans" brand SFP/SFP+/XFP+QSFP/CFP/QSFP28 series of modules, we offer

Jul 07, 2025

## 100G QSFP28

The 100G QSFP28 optical module first appeared in 2013, and after the development of recent years, the 100G QSFP28 optical module has been derived from several

Jun 14, 2026

## Overview of QSFP28 LR4 Optical Transceiver

Discover FS's QSFP28 100G LR4 optical transceiver, offering low power consumption, perfect compatibility, and reliable long-distance performance

Dec 24, 2025

## Comprehensive Guide to SFP, SFP+, SFP28, QSFP+, and QSFP28

Dive deep into the world of optical transceivers. Understand the differences between SFP, SFP+, SFP28, QSFP+, and QSFP28. Discover their specifications, working principles, compatibility,

Jun 13, 2026

## 100G QSFP28 ER4 Transceiver: 40km Reach Optical

100GE ER4 QSFP28 40km Optical Transceiver Description Innoptical's IN-QSFP28-ER4 module is designed for 40km optical communication applications. This

Dec 23, 2025

100G QSFP28 ZR4 Optical Transceiver - Made in

100G QSFP28 ZR4 Optical Transceiver - Made in Taiwan | TAA Compliant Optech's 100G QSFP28 ZR4 transceiver is engineered for high

Oct 16, 2025

Design and Implementation Scheme of QSFP28 Optical

A quad, small form-factor pluggable 28 Gbps optical transceiver design scheme is proposed. It is capable of transmitting 50 Gbps of data up to a

Jan 28, 2026

Qsfp28 Lr4 20km Optical Transceiver/Optical

The high performance cooled LAN WDM DFB transmitters and high sensitivity PIN receivers provide superior performance for 100Gigabit Ethernet applications up to

May 15, 2026

100G QSFP28 ER4 Transceiver: 40km Reach Optical

Get reliable 100G QSFP28 ER4 transceivers from Innoptical for high-performance 40km optical connectivity. Experience seamless interoperability and low power

Feb 20, 2026

100GBASE-BX80-U QSFP28 BiDi 4 x 25G NRZ 1270nm-TX/1310nm

Compliant with the QSFP28 MSA standard, the 100G BX80 transceiver supports RoHS-10 lead-free environmental requirements and features Digital Diagnostic Monitoring (DDM) via an I<sup>2</sup>C interface,

May 12, 2026

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.

Feb 02, 2026

100G BiDi QSFP28 Optical Transceiver Modules

QSFPTEK 100G BIDI QSFP28 transceiver module can save your fiber resources in most cost-effective way. Best for Long-haul or region Networks.

Aug 26, 2025

Cisco 100G LR Transceiver | QSFP28 Optical

Get the supplies you need for a seamless network integration online now at FluxLight. We offer an extensive array of premium transceiver, like this QSFP

Jul 16, 2025

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

Nov 06, 2025

100GBASE-ZR4+ QSFP28 100km | €1,006.01 | EDGE

100GBASE-ZR4+ QSFP28 transceiver, 100km over SMF without amplification. 34dB link budget with FEC, 4 LAN WDM lanes, 103.1 Gbps. DDM, CE/RoHS. €1,006.01.

## Contact Us

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