

Zambia Low-Power Optical Module 40G



Overview

40G QSFP+ ZR4 Lite CWDM4 Optical Transceiver Module (1271nm, 1291nm, 1311nm, 1331nm SMF 60km LC DDM) The UF-QSFP-ZR4-60 is a transceiver module designed for 60km optical communication applications. The design is compliant to 40GBASE-ER4 of the IEEE P802. It includes 40GBASE QSFP+ modules, 40G Converter modules, 40G DACs/AOCs and their breakout cables. 40G QSFP+ Transceiver Module Series include SR4, BIDI, CSR4, PIR4, LX4, IR4, LR4, PLR4 and ER4. With four mutually independent channels for transmitting and receiving optical signals, 40G optical modules are able to provide high-density and low-power 40G Ethernet connectivity transmission applications for data centers, high-performance computing networks, enterprise core and distribution. 40G Transceivers by JTOPTICS deliver high-speed optical data transmission and are ideal for data centers, enterprise networks, and telecom applications. The 40G QSFP+ optical module is a high-performance, low-power optical fiber communication device that supports data transfer rates up to 40Gbps. Unitekfiber, a global optical transceiver wholesaler, provides a comprehensive portfolio of MSA-compliant. In today's demanding network environments—from cloud computing disaster recovery to 5G backbone networks—achieving the right balance between high-density short-reach links and robust long-haul transmission is critical. X-linkit's comprehensive portfolio of 40G optical modules delivers exactly.

Article Content

Apr 15, 2026

40G QSFP+ ZR4 Lite CWDM4 60km LC SMF DDM Optical

It has been designed to meet the harshest external operating conditions including temperature, humidity and EMI interference. The module offers very high functionality and feature integration, accessible

Aug 15, 2025

X-linkit 40G Optical Modules: The Complete Guide for High-Speed ...

By selecting the right 40G QSFP+ module for each segment, enterprises can reduce wide-area network (WAN) costs by over 30% while meeting all performance requirements.

Feb 04, 2026

TechnicalWhitePaper onSingle-Wavelength400GLH OpticalTransport

Transmission Distance and Cut Cost Per Bit The optical transport access network transmits high-frequency optical carrier modulation signals in multiple low-loss fiber channels at the same time, so it

Apr 25, 2026

40G Optical Transceivers and Cables Portfolio | FS

40GBASE Optical Transceivers and Cables Portfolio Product Overview The 40G transceiver module portfolio offers customers a wide variety of high-density and low-power 40 Gigabit Ethernet

Nov 05, 2025

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, 200G, 100G, 50G, 40G, 25G, 10G, 1G, and 100M Ethernet connectivity

Feb 05, 2026

SFP Optical Transceiver Launch Strategies: Defining the New

2. The New Performance Benchmarks The definition of “high-performance” optics has evolved. In 2025, manufacturers and network operators are measuring success through multiple

Sep 30, 2025

40G QSFP+ DWDM 80km Optical Transceivers

40G QSFP+ DWDM 80km Optical Transceivers Wave Thought Tech 40GBASE QSFP+ is a portfolio of optical transceiver modules designed upon Multi-Source

Oct 17, 2025

JA Solar Supplies DeepBlue 4.0 Pro Modules to

JA Solar played an integral role in electrifying Zambia's largest standalone photovoltaic installation, the 100MW Kabwe solar power plant.

Jul 07, 2025

Choosing the Right 40G QSFP+ Transceiver: Maximize Network

Maximize your network's potential with the right 40G QSFP+ transceiver. From transmission distance to interface types, discover essential tips for choosing the right module.

Apr 27, 2026

40Gb/s QSFP+ Active Optical Cables

Amphenol provides a series of 40G QSFP+ optical module products, including SR4, eSR4, IR4, LR4, ER4 lite, AOC and AOC breakout series.

Jul 29, 2025

QSFP+ 40G ZR4 Optical Transceiver Module 80km

Asterfusion 40G QSFP+ ZR4 optical transceiver modules support 40GBASE-ZR4 Ethernet. QSFP+ 40G 80km optical modules are designed for Ethernet,

Feb 14, 2026

QSFP+ 40G LR4 Explained: Your Ultimate Guide to 40G

Why Choose a LINK-PP QSFP+ 40G LR4 Module? When your network's performance is on the line, opting for high-quality, compatible optics is

Aug 10, 2025

40G QSFP+

The 40G LR4 QSFP-optical module meets the 802.3ba standard with a maximum transmission distance of 10km, and has the advantages of high density, low cost,

May 25, 2026

40G QSFP+ Cable and Transceiver Modules Data Sheet | FS

40G QSFP+ Cable and Transceiver Modules Data Sheet Product overview The 40G transceiver module portfolio offers customers a wide variety of high-density and low-power 40 Gigabit

Oct 23, 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

May 14, 2026

40G Optical Transceivers and Cables Portfolio | FS

The series of product adopts LC or MTP/MPO connector and operates over Single Mode or Multimode optical fiber. They can be used for connections from 150m up to 40km and are suitable for 40G

Dec 04, 2025

40G QSFP+

The 40G QSFP+ optical module is a high-performance, low-power optical fiber communication device that supports data transfer rates up to 40Gbps.

Jul 13, 2025

40G QSFP+ LR4 10km Optical Transceiver

The Data_Not_Ready bit is high during module power up and prior to a valid suite of monitor readings. Once all monitor readings are valid, the bit is set low until the device is powered down.

Jul 31, 2025

The Ultimate Guide to 40G QSFP+ Transceivers: Unlocking Scalable ...

Types of 40G Optical Transceivers 1. 40G SR4 Transceiver – Short Range over Multimode Fiber Reach: Up to 100 meters on OM4 fiber Interface: MPO/MTP Use case: Ideal for

Jan 11, 2026

In-Depth Guide to 40G QSFP+ Optical Modules, DAC,

40G optical modules are increasingly widely used in data centers. 40G optical modules can reach up to 40Gbps to help data centers relieve operational

Oct 04, 2025

800G LPO Module: Enabling Low-Cost, Low-Latency Connectivity

Low Power Consumption and Latency: Compared to traditional 800G DSP-based transceivers that consume up to 17W, the FS 800G OSFP finned-top LPO module dramatically

Apr 05, 2026

40G QSFP+ Optical Transceivers Complete Guide

How 40G QSFP+ optical transceivers boost performance in data centers and telecom networks. Learn about types, use cases, and cost-saving benefits.

Oct 16, 2025

small form factor pluggable module 40G

Advantage of SULITON 40Gb/s QSFP+ SR4 100m 850nm Fiber Optics The SFP Transceiver 40G provides an excellent solution for high reliability, lower power consumption and excellent EMI

Mar 20, 2026

EM40-SKYASTAR TECHNOLOGIES (ZHUHAI) LTD

Integrated optical monitor and alarm function both Tx and Rx APC (Automatic Power Control) and ATC (Automatic Temperature Control) circuits maintain small vibration of output optical power and IIP3

Jun 10, 2026

JTOPTICS 40G Transceivers | High-Performance 40G Solutions

40G 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,

Apr 05, 2026

6 Common 40G QSFP+ Optical Module Models

With four mutually independent channels for transmitting and receiving optical signals, 40G optical modules are able to provide high-density and low-power 40G Ethernet connectivity

Oct 17, 2025

40G BASE Optic Module, 100G Connectivity, Low

High-density 40G BASE optic transceiver with 100G connectivity, 229.65 ft (70 m) distance, and 3.5 W power consumption. Ideal for data centers and networks.

Contact Us

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