

# Single-mode single-core 40km optical module



## Overview

Featuring 1310nm wavelength, it supports a link distance of 40km over LC duplex single mode fiber (SMF). This 1G SFP transceiver complies with the SFP MSA, IEEE 802.3z, and SFF-8472 standards, making it suitable for any MSA-compliant equipment. This Generic SFP-1G-EX compatible SFP module supports 1000BASE-EX Gigabit Ethernet connectivity and 1G fiber channel application. Designed to work in pair with module: LO-SF-1G-355-40L Please specify the device model. 3bm 40GBASE-ER4 and OTU3 standard. The transceiver consists of three sections: a DFB laser transmitter, a APD photodiode integrated with a trans-impedance preamplifier (TIA) and MCU control. Gigabit single-mode single-core optical fiber modules usually have the following specifications: multi-mode 550m, single-mode 15km, 40km, 80km, 120km, etc.



## Article Content

### Single Mode vs Multimode Fiber, What is The

Learn the key differences between single mode vs multimode fiber cables and choose the right one for your fiber optic system.

### 40KM 1550nm Single Mode Duplex Gigabit Optical Module LC/SC

BTON Communication is a worldwide supplier and manufacturer of fiber optic connectivity products since 2009, special for sfp transceiver, media converter, video optical converter and poe switch. Our

### Singlemode 40 km Fiber Optic Transmitters, Receivers, Transceivers

Mouser offers inventory, pricing, & datasheets for Singlemode 40 km Fiber Optic Transmitters, Receivers, Transceivers.

### SFP BiDi 1000BASE-BX 1.25Gbps Tx1550nm/ Rx1310nm LC SMF

A versatile SFP module that works reliably over distances of up to 40 kilometers as well as very short, 1-meter connections. Thanks to a specially designed receiving diode, the module is resistant to

### Single Mode Fiber Optical Transceiver Module

High-performance Single Mode Fiber Optical Transceiver Module with 25G speed, 40km range, and 1310nm wavelength. Reliable, cost-effective, and compatible with industry standards.

### How to tell the difference between single mode and multimode fiber ...

It works with copper Ethernet cables or fiber optical cables. On the fiber optics side, there are single mode SFP module and multimode SFP module, which allows users to select the

### Single Mode vs Multimode Fiber: Choosing the Right

Single Mode vs Multimode Fiber: Choosing the Right Fiber Optic Cable Single mode vs multimode fiber: Learn the core differences in distance,

### Single Mode SFP vs Multimode SFP: What the

A single-mode SFP is specially used with the 9/125μm single-mode fiber (SMF) but can not be used with multimode fiber cable. It utilizes ultra-low

### Multimode vs Single Mode Fiber Optic Cables: A Complete Guide to

Learn the differences between multimode (OM1-OM5) and single mode (OS1-OS2) fiber optic cables—speed, distance, applications, and how to choose the right one for data centers and

Arista QSFP-100G-ERL4-Arista | 100G Transceiver, Single-Mode,

Description The Arista QSFP-100G-ERL4 is a 100GBASE-ER4 Lite QSFP28 transceiver designed for long-reach optical connectivity over single-mode fiber. Supporting distances up to 40km with FEC

SFP Optical Module, 1Gb, LC SM, 40km, TX:1310nm

Insert type SFP (miniGBIC) designed for transmission of double (duplex) single-mode fiber (SM) over a distance of 40km. TX wavelength 1310nm. All products"

XG-SFP-LR-SM1310 10GBASE-LR SFP+ 1310-nm 10-km DOM

The XG-SFP-LR-SM1310 is aligned to IEEE 10GBASE-LR optical specifications and supports a link length of up to 10 kilometers over a single-mode fiber (SMF) with an LC connector. It adopts the

1000BASE-SX, 1000BASE-LX, 1000BASE-ZX& BX

What is 1000BASE-EX? 1000BASE-EX is a non-standard but widely used industry term for Gigabit Ethernet fiber optic transmission. The letter "EX"

SFP-10G-ER40 Single Mode 10G 40km SFP Transceiver Module 10G

Product Summary SFP-10G-ER40 Single Mode 10G 40km SFP Transceiver Module 10G SFP+ 1550nm 40km Product Description SFP+ ER 40KM fiber optic transceiver is designed for use in 10-Gigabit

China China Supplier 10g Lr SFP

Ang SFP+ Module ay sumusunod sa SFF-8431, SFF-8432 at IEEE 802.3ae 10GBASE-ER. Available ang mga digital diagnostic function sa pamamagitan ng 2-wire serial interface, gaya ng tinukoy sa

Single Mode Fiber Price

Find reliable single mode fiber prices from top suppliers. Shop high-quality optical cables and accessories for your communication needs. Bulk orders welcome.

Magandang Kalidad ng SFP Module – 155M Single Mode 40Km DDM | Single ...

Ang JHA''sJHA5240D-35 Transceiver ay isang mataas na pagganap, cost-effective na module na may iisang interface ng LC optics. Tugma ang mga ito sa Small Form Factor Pluggable Multi-Sourcing

1000BASE EX SFP Transceiver | 1310nm 40km DOM Single-Mode

The 1000BASE EX SFP 1310nm 40km Optical Transceiver Module is designed for long-distance Gigabit Ethernet applications, offering reliable and high-performance data transmission over single-mode

direcXource Netgear DWDM-SFP10G-42.14-40-I Compatible Industrial ...

Netgear DWDM-SFP10G-42.14-40-I compatible optical transceiver is an industrial dual fiber 10.3Gbps Small Form-factor Pluggable SFP+ DWDM module for use in 10GBASE Ethernet. SFP+ DWDM4214

Single-mode optical fiber

In fiber-optic communication, a single-mode optical fiber, also known as fundamental- or mono-mode, is an optical fiber designed to carry only a

10km/40km/60km 10G SFP+ Transceiver Bidi SMF DDM 1Paar,sfp Modul

10Gb/s, 10G SFP+ Transceiver Bidi LL-10G-LC-BD10, Up: TX1270nm/RX1330nm; Down: TX1330nm/RX1270nm, Reichweite bis zu 10-20-km Übertragung über OS2 Single LC single-mode

SFP+ Single Mode LC Module (40km)

The single mode 10G SFP+ transceiver is equipped with a duplex LC fiber connection interface, and supports high-speed data rates up to 10.31Gbps. All

turkmenistan-10-gigabit-optical-module-manufacturer ...

Matching products Adapter for Single Mode LC/PC Quad connector, Blue PACKETpro Embedded Single Core Processor, with SLIMpro Accelerator Other products Low-noise amplifier front-end

FTTMAX Single Mode Fiber Optical Transceiver 10Gbps 1310nm

Type Optical transceiver module Use Data center Network Wireless Lan, 5G, Wired LAN, Wi-Fi Model Number 10G single fiber Brand Name FTTMAX Place of Origin Guangdong, China Warranty Time 1

The Key Differences Between 1-core, 2-core, Single

Understanding 1-core, 2-core, Single Mode, and Multi-mode optical modules helps you design efficient networks. Whether you're working on long

Gigabit single-mode single-core fiber optic module

Optical signals are transmitted directly without repeater amplification. Gigabit single-mode single-core optical fiber modules usually have the following specifications: multi-mode 550m,

SFP-S40 Gb Fiber SFP Transceiver, Single Mode 40KM | Antaira

The SFP-S40 series is the high performance and cost-effective module for serial optical data communication applications specified for single mode of 1.25 Gb/s. It operates with +3.3V power supply.

## Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.dknconsulting.co.za>

Email: [info@dknconsulting.co.za](mailto:info@dknconsulting.co.za)

Phone: +31 6 2948 7351

Address: Herengracht 123, 1015 BT Amsterdam, Netherlands

This document is for informational purposes only. Specifications subject to change without notice.

