

Single-core single-mode optical module 60km

Ordering information

NO.	1	2	3	4	5	6
Model	SFP12M1	SFP12M2	SFP12M4	SFP12M5	SFP12M6	SFP12M8
Product name	Patch Panel	Patch Panel	Patch Panel	Patch Panel	Patch Panel	Patch Panel
Illustration						
HU	1	2	4	1	2	4
Maximum number of cores	144	288	576	144	288	576
Product size (including modules and adapters)	482.6*271*1744 mm	482.6*271*1763 mm	482.6*271*1777 mm	482.6*271*1744 mm	482.6*271*1763 mm	482.6*271*1777 mm
Standard color code	RAL9005	RAL9005	RAL9005	RAL9005	RAL9005	RAL9005

Overview

The STC-80043 is a long-range 10G SFP+ BiDi transceiver designed for single-fiber 10 Gigabit Ethernet transmission up to 60 kilometers. Using 1270nm TX and 1330nm RX wavelengths over single-mode fiber (SMF), this compact module delivers high-speed connectivity with minimal fiber. Complete technical specifications and product details PLANET compatible MTB-LA60 is SFP+ (Small Form factor Pluggable) Transceiver, operating over Single Fiber Single-Mode Fiber (SMF) optical cable. It has minimum guaranteed optical budget of 21 dB, with in most cases is enough to reach about 60 km. The BI-DI SFP+ 60KM module electrical interface is compliant to SFI electrical specifications. The transmitter input and receiver output impedance is 100 Ohms differential. Data lines are internally AC coupled. The module provides differential termination and reduce differential to common mode. o In optical modules, "core" refers to the light-transmitting channel in the fiber. This 10G BiDi SFP+ transceiver, featured with data transmission over a single strand of fiber, the one transceiver transmits a 1330-nm channel and receives a 1270-nm signal, whereas the other BiDi SFP+. It is a transceiver module designed for 60km optical communication applications. The design is compliant to 40GBASE-ZR4 Lite of the IEEE P802.

Article Content

Exploring 100G Single Mode QSFP28 Transceiver Types

Explore 100G single mode QSFP28 module types by distance, cost, and use case to select the best fit for data center, metro, or long-haul networks.

SFP Transceiver

SFP Transceiver - Singlemode - 60km Item number FSFIBER-SFP-60K The 100Mb SFPf xcvr sm 1310nm is a 100Base-FX small form-factor pluggable (SFP)

40G ZR4 60km QSFP+ Single Mode Transceiver specification

Description: It is a transceiver module designed for 60km optical communication applications. The design is compliant to 40GBASE-ZR4 Lite of the IEEE P802.3ba standard. The module converts 4

SFP+ 10G BIDI 60KM 1270/1330nm Optical Transceiver

SFP+ 10G BIDI 60KM optical transceiver module, support 10Gb/s and up to 60 km transmission on one core fiber. It works in high-speed IDC connection solutions,

40G/100G single -mode single -core optical fiber module application

As data center and telecommunications networks continue to demand higher speeds and larger capacities, the need for high-speed optical fiber modules has become increasingly important.

VC-40GQSFP-ZR4-60 40G QSFP+ZR4 CWDM4 60KM

The VC-40GQSFP-ZR4-60 is a transceiver module designed for 60km optical communication applications. The design is compliant to 40GBASE-ER4 of the

Single Mode SFP Transceiver | Optcore

Single Mode SFP Module The single mode SFP module is one of the most common SFP transceiver types; sometimes, we refer to it as an SMF SFP.

40G QSFP+ ER4 60KM LC Optical Transceiver

Get 40G QSFP+ ER4 60KM LC Optical Transceiver from ETU-Link Technology CO.,LTD,we supply excellent 40G QSFP Transceiver. Long using life,high

10G SFP+ BXD Bi-Directional, Tx1270/Rx1330nm,

Its range is up to 60km over Single Mode fiber optic cables, using only 01 optical fiber per type of Bi-Directional connection using WDM technology. Its connector

1270nm/1330nm 60km 10GBase-BX BiDi optical SFP+ | Extended

The 10GBASE-BX BiDi SFP+ is a 1270nm-TX / 1330nm-RX optical transceiver designed for 10Gbps high-speed data transmission over single-mode fiber (SMF). It features a Simplex LC/UPC connector

10G BiDi SFP+ 60km | Tx1270/Rx1330 | Single Fiber Compatible

Compatible 10G BiDi SFP+ for 60km single fiber. Tx1270/Rx1330nm, 22dB budget, 50% fiber savings. Works with 80+ brands.

Generic SFP-10G-BX60-D Compatible 10G SFP+ BiDi 1330nm-TX

Generic SFP-10G-BX60-D Compatible 10GBASE-BX60 SFP+ BiDi Transceiver (SMF, 1330nm-TX/1270nm-RX, 60km, LC, DOM) This Generic SFP-10G-BX60-D compatible SFP+ BiDi transceiver

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.

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

Gigabit single-mode single-core fiber optic module

Gigabit single-mode single-core optical fiber modules usually have the following specifications: multi-mode 550m, single-mode 15km, 40km, 80km, 120km, etc. In addition to the

The Key Differences Between 1-core, 2-core, Single Mode, and Multi-mode ...

For Shorter Distances or LANs: Multi-mode (MM) modules work best here—choose 1-core MM for basic short-distance networks, and 2-core MM if you need extra bandwidth or fault

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

Ever wonder how data zooms across cities and continents at lightning speed? The secret lies in fiber optic technology, and understanding the

10G SFP+ module SM 20KM 40KM 80KM TX/RX

10G XFP module 10G XFP modules with fiber optics allow customers to utilize an XFP 10 Gigabit port on an existing piece of hardware to send either multi-mode

10GBASE-BX BiDi SFP+ 1330nm-TX/1270nm-RX

10GBASE-BX60 SFP+ Transceiver Module (SMF, 1330nm-TX/1270nm-RX, 60km, LC, DOM) FS Compatible SFP+ transceiver supports up to 60km over OS2

10G SFP+ BIDI Tx1270/Rx1330nm 60KM

Using 1270nm TX and 1330nm RX wavelengths over single-mode fiber (SMF), this compact module delivers high-speed connectivity with minimal fiber infrastructure. Fully compliant with SFP+ MSA

1 Gigabit Singlemode SFP Fiber Optic Transceivers

Achieve long-distance, high-performance connectivity with 1G singlemode SFP transceivers. Ideal for network upgrades and seamless integration with Cisco

Single Fiber 60 km SFP+ Optical Transceiver: PLANET MTB-LA60

PLANET compatible MTB-LA60 is SFP+ (Small Form factor Pluggable) Transceiver, operating over Single Fiber Single-Mode Fiber (SMF) optical cable. It has minimum guaranteed

SFP Single Fiber 60 km transceiver | 1G BX Ethernet

Details: This advanced 26dB transceiver is designed for highly reliable fiber optic network links up to 60 km. Using DFB+PIN technology, it operates at a nominal wavelength of 1310Tx-1550Rx coupled to

Sfp Single Core 60KM optical transceiver modules 1270/1330nm 60km

In the transmit direction, the SFP+ transceiver module receives a 10.3125Gb/s electrical signal (signaling rate) from the host board ASIC/SERDES and converts the data to an optical signal via the Laser

Single Mode Optical Modules Market 2026

Global Single Mode Optical Modules Market is witnessing significant growth driven by increasing demand for high-bandwidth applications. With data centers requiring 100G and 400G solutions,

Haile Gigabit Single-mode Single Fiber Optical Transceiver SFP-GE60 ...

Shop Haile SFP-GE60-SM1310-A Gigabit single-mode single fiber optical transceiver supporting 1.25G at 1310/1550 nm with 60km range. Compatible with Cisco, Huawei, and more for reliable long

10GE SFP+ Optical Modules

This document provides an overall description of the CE12800 series switches hardware, helping you obtain detailed information about each chassis, power module, fan module, card, cable, and

1.25G 1550nm 60km 1x9 SC/ST/FC Optical Transceiver

This series of 1x9 optical transceivers provide a 60km transmission distance over single mode fiber at a nominal wavelength of 1550nm. Each 1x9 transceiver module consists of a transmitter section and a

Contact Us

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

Website: <https://adikor.eu>

Email: info@adikor.eu

Phone: +33 6 48 37 92 15

Address: 12 Rue de la Paix, 75002 Paris, France

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