Optical module dual LC interface and single LC interface



Overview

The BIDI single-fiber bidirectional optical module uses a simplex SC or LC interface. An SFP duplex LC connector is a fiber optic interface used in many small form-factor pluggable (SFP) optical transceivers to enable full-duplex optical communication. The connector integrates two LC (Lucent Connector) interfaces in a single compact housing, allowing one fiber to transmit optical. Optical and copper models can be used on a wide variety of Cisco products and intermixed in combinations of 1000BASE-T, 1000BASE-SX, 1000BASE-LX/LH, 1000BASE-EX, 1000BASE-ZX, or 1000BASE-BX10-D/U on a port-by-port basis. Cisco Optical Gigabit Ethernet SFP Figure 2. CONQUER DISTANCE: 80km Long-Range Transmission Power Subheading Focus: Transmission Distance & Wavelength Distance limits many networks. Standard modules fail over long runs. Our 10G. What is the difference between BIDI single-fiber bidirectional and dual-fiber bidirectional optical modules?

We believe that many small partners have a question in their minds, what are the differences between single-fiber and dual-fiber optical modules and their differences in application. The Compact Small Form Factor Pluggable (CSFP) optical transceiver CP-124MCMC-E from Coretek Opto Corp. Can I mix brands?

A: Yes, if you match.

© 2026 KENHARDT OPTICAL NETWORKS - All rights reserved

Article Content

What Is an SFP Duplex LC Connector in Fiber Networks

A duplex LC connector is a fiber optic connector configuration that combines two LC connectors in a single paired interface. Each connector

Cisco SFP Modules for Gigabit Ethernet Applications

The 2-channel 1000BASE-BX-D SFP module, also known as Compact SFP, integrates two IEEE 802.3ah 1000BASE-BX10-D interfaces in

10G 1550nm LC Interface Singlemode Dual-fiber SFP+ Optical Module

Upgrade networks with our 10G SFP+ 80km Module. This 1550nm optical transceiver offers effortless, stable long-range connectivity for data centers and switches.

What is the difference between BIDI single-fiber bidirectional and dual ...

The BIDI single-fiber bidirectional optical module uses a simplex SC or LC interface.while the dual-fiber bidirectional optical module uses a duplex LC interface, one is an optical transmitting interface, and

SFP BIDI, Dual LC Connector, 1490nm DFB LD for Single Mode

Each module is integrated digital diagnostics functions via an I2C serial interface. The module is a duplex LC connector transceiver designed for use in Gigabit Ethernet applications and to provide

Single vs Dual Fiber Media Converters (2025): A/B

Should you use a single strand (BiDi) or two strands? Do converters need to be used in pairs? Can you mix brands? What wavelengths matter? This

What is the difference between lc and duplex lc?

LC is a single connector, while duplex LC consists of two LC connectors housed in a single housing. Both connectors offer reliable and efficient fiber optic

1.25G SFP Module SM LC single mode DDM 20km 1000Base-LX

1.25G SFP Module SM LC Data rate: 1.25Gb/s; Wavelength: 1310-nm; Interface: Dual LC connector with DDM/DOM. Cable connection: supports OS1, OS2, and OS3 single mode fibers, uses OS2 SMF

2 Pack 1.25Gb Singlemode Module with 1m OS2 LC to

1000Base-LX/LH Module: Gigabit Ethernet SFP Transceiver, 1.25 Gb/s Singlemode Dual LC interface, 1310nm wavelength,link OS2 Singlemode Fiber Cable up to

© 2026 KENHARDT OPTICAL NETWORKS - All rights reserved

Optical Module LC Interface 1.25G Durable 20 Km Transfer SFP

Standard: Conform to For SFP and For SFF 8472. Interface: Single,Dual LC Optical Interface (1.25G). Open the Silica Gel Sleeve at the Rear End of the Optical Fiber Module. the Single Port is Single

Huawei OPTICAL MODULE SFP+ Price

The Best Huawei Products Price List Checking Tool ICT–Router, Switch, Optical Transmission & Access Network

Know Your 400G Transceiver | Juniper Networks

Single-Lane Optical Interface (for example, 400ZR and 400ZR+) Application—Designed for long-distance data center interconnects, as well as metro and regional networks.

Co-Packaged Optics — a deep dive | APNIC Blog

This means the optical engines (and their fibre interfaces) are on replaceable modules that mate with the switch substrate, rather than being

Bagong Arrival Er Sm 1550nm 40km LC

Ang JHA3920D ay isang napaka-compact na 10Gb/s optical transceiver module para sa serial optical communication applications sa 10Gb/s. Kino-convert ng JHA3920D ang isang 10Gb/s serial electrical

Boost Connectivity with Reliable fiber optic interfac modul Solutions ...

Find advanced fiber optic interfac modul answers for quick and dependable data flow. Use modern technologies to improve connection for flawless communication.

Genuine Transceiver Modules

GenuineModules is a reliable supplier of optical interconnect products for use in fiber optic networking, including optical transceiver modules, direct attach cables,

Cisco QSFP-40/100-SRBD Optical Transceiver Module Enables

The Cisco QSFP-40/100-SRBD optical transceiver is a high-performance dual-rate solution designed for modern data center evolution. Supporting both 40G and 100G Ethernet

Amazon : Fiber Optic Network Interface Card

Amazon : fiber optic network interface card Single Mode LC WDM Single Fiber Bi-Di Gigabit Media Converter - Built-in Fiber Module 20km (12.42 Miles) - to UTP Cat5e Cat6 10/100/1000 RJ-45 - Auto

© 2026 KENHARDT OPTICAL NETWORKS - All rights reserved

Contact Us

Continue your research online:

Website: https://kenhardtprimary.co.za
Technical inquiry: https://kenhardtprimary.co.za/project-desk.html
African project coordination: Century City, Cape Town, Western Cape, South Africa

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 KENHARDT OPTICAL NETWORKS - All rights reserved