

Optical Module Switch 1310



Overview

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. As an industry-leading ICT infrastructure and industry solution provider, Ruijie offers customers a wide variety of high-density and low-power 10G optical modules. They are applicable to data center and campus networks, enabling cost-effective, efficient, and high-speed interconnection among. If an SFP-10G-ER-1310 optical module is connected to a 10GBase-ER optical module (1550 nm, 10GE, 40 km), the maximum transmission distance is only 20 km due to different specifications such as the wavelength and receiver sensitivity. This LC transceiver delivers effortless 10km connectivity for data centers and servers. It is typically implemented using SFP+ transceivers and defined under IEEE 802. Digital diagnostics monitoring is available via a 2-wire serial interface, as specified in SFF-8472.



Article Content

optical transceiver sfp+ 10g single mode module 1310nm 10km lc

Upgrade networks with our optical transceiver sfp+ 10g single mode module 1310nm 10km lc. This LC transceiver delivers effortless 10km connectivity for data centers and servers.

Co-Packaged Optics (CPO) Market Trends 2026: AI Data Center Optical ...

Explore the future of co-packaged optics (CPO) in AI data centers. Learn how silicon photonics, optical I/O, and high-speed optical interconnect technologies are shaping next-generation

10G Single-Mode Optical Module

SFP+ transceiver that supports 10G connections up to 10 km using single-mode fiber with a duplex LC UPC connector.

5W OLP Module Optical Line Protection System 30ms Auto Switch

5W OLP Module Optical Line Protection System 30ms Auto Switch High Switch Speed Product Description Gezhi's Optical Line Protection (OLP) system is a new optical line protection subsystem

1.25G 1310nm 40Km CWDM SFP Optical Transceiver Module Single

1.25G 1310nm 40Km CWDM SFP Optical Transceiver 1.25G Single Mode Product Description GEZHI compatible 1.25Gpbs CWDM SFP transceiver supports up to 40km, 80km, 120km or 160km link

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.

SFP Optical Module 1.25G 20km single-mode duplex-LC

This is a industrial SFP optical module. It uses duplex single mode optical fiber and the speed rate can up to 1.25Gbps, transmission distance up to 20km.

Everything You Need to Know About 1310nm Optical

1310nm optical module offers reliable, cost-effective data transmission for metro, campus, and enterprise networks. Compare performance, reach, and

SFP-10G-ER-1310

If an SFP-10G-ER-1310 optical module is connected to a 10GBase-ER optical module (1550 nm, 10GE, 40 km), the maximum transmission distance is only 20 km due to different specifications such as the

Generic Compatible 1000BASE-LX 1Gb SFP Transceiver Module

Generic 1000BASE-LX SFP Compatible Gigabit Module - SMF Singlemode 1310nm Wavelength for up to 10km This high-quality Generic 1000BASE-LX SFP Compatible DOM Transceiver. A cost-effective

What Is 10GBASE-LR? SMF 1310nm 10km SFP+ Explained

A practical, engineer-grade guide to 10GBASE-LR: what it is, 1310nm single-mode SFP+ specs, optical budget examples, deployment best practices and troubleshooting.

Applications of 1310nm Optical Modules in Modern Networks

Discover how 1310 nm optical modules serve essential roles in data centers, metro networks, and enterprise links. Learn use cases and explore LINK-PP's reliable modules.

Optical Transceiver SFP+ 10G Single-Mode Module 1310nm 10km LC

Explore the features, applications, and selection guide for optical transceiver SFP+ 10G single-mode 1310nm 10km LC modules for data centers and enterprise networks.

What Is an Optical Module and Its FAQs (V200)

What Is an Optical Module and Its FAQs (V200) Describes what an optical module is and FAQs, including the fundamentals, appearance and structure, key performance counters, common types,

What Is an SFP Optic Module and How Does It Work

SFP optic modules convert electrical to optical signals for fast, long-distance data transfer. Hot-swappable, versatile, and compatible with various

SFP+10G 1310nm 10Km LC Optical Module Guide

Understanding SFP+ Optical Modules SFP+ (Small Form-factor Pluggable Plus) optical modules are compact, hot-swappable transceivers used in data

Dual 1x2 SM Optical Switch (1310nm)- MSE Supplies LLC

MSE Supplies offers Dual 1x2 SM Optical Switch (1310nm). This series Dual 1x2 fiber optic switch connects optical channels by redirecting an incoming optical signal into a selected output fiber.

5W OLP Module Optical Line Protection System with 30ms Auto Switch

Gezhi Photonics's Optical Line Protection (OLP) system is an advanced optical line protection subsystem developed with dynamic and synchronous optical switch technology. When

SFP-GE-LX-SM1310-IN

SFP-GE-LX-SM1310-IN Gigabit Single-Mode 10km Optical Module Specification
Download How to buy

Accessories MINI-GBIC-LX-SM1310 1000BASE-SX SFP 1310-nm 10

MINI-GBIC-LX-SM1310 1000BASE-SX SFP 1310-nm 10-km DDM Duplex LC SMF Optical Transceiver Module Applicable to data center and campus networks, enabling cost-effective, efficient, and high

Huawei SFP-GE-LX-SM1310 1GE 1310nm 10km SFP

Huawei SFP-GE-LX-SM1310 1GE 1310nm 10km single-mode SFP module for Huawei switches and routers. Check real-time price, stock and lead time. Global

Charting the Path Toward 1.6T and 3.2T Optical Module

These modules perform the critical function of converting electrical signals into optical signals, and vice versa. They are designed to insert into networking

Google's High-Speed Interconnect Architecture to Push

Google's next-generation TPU, Ironwood, integrates a 3D Torus network topology with the Apollo optical circuit switch (OCS) all-optical network,

Introduction of 10G SFP+ Optical Modules

10G SFP+ Optical Module is a type of SFP+ transceiver that supports 10 Gigabit per second (10Gbps) data rates and is an enhanced version of the

SFP+ 10G 1310nm Singlemode Optical Transceiver

8. Digital Diagnostics / Digital Optical Monitoring The transceiver provides serial ID memory contents and diagnostic information about the present operating conditions by the 2-wire serial interface (SCL,

10G SFP+ ER SMF 1310nm 40km Transceiver Module

Buy 10Gb/s SFP+ ER SMF 1310nm 40km Optical Transceiver Manufacturer at Affordable Factory Price,5-Year Warranty & Money-back Guarantee.

Where co-packaged optics (CPO) technology stands in

Co-packaged optics (CPO) technology, a key enabler for next-generation data center architectures, promises unprecedented bandwidth density

Contact Us

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

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

Email: sales@buglerdental.co.za

Phone: +27 71 549 2836

Address: 22 Impala Crescent, Waterfall Business Estate, Midrand, 1685, South Africa

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