

Single-mode 5km optical module



Overview

Using single-mode fiber and FC connectors, it carries bidirectional image & control data (NTSC/PAL/SECAM; TTL / S. BUS) over 0–20 km without RF congestion, enabling reliable communication indoors, underground, or in EMI-heavy areas. A single-mode fiber optic cable is engineered for high-bandwidth, long-distance data transmission—ideal for applications requiring reliable signal delivery over distances such as 5 kilometers. These cables use a small core diameter (typically 9 μm) to allow only one mode of light to propagate.

Fiber Optic Receivers Model: SFP-GE-LX-SM1310 Interface type: LC Transmission distance: Gigabit single-mode dual fiber 5km, Gigabit single-mode dual fiber 10km, Gigabit single-mode dual fiber 20km, Gigabit single-mode dual fiber 40km 1310nm, Gigabit single-mode dual fiber 40km 1550nm, Gigabit. FS gigabit ethernet transceiver solutions provide fibre or copper options including 1000BASE-SX, 1000BASE-LX/LH, 1000BASE-T etc., from 100m to 160km, for 1G switches, routers, servers, NICs and other transmission equipment. Click to get your 1GBE transceiver modules from nearby warehouses. 30-Day. Corning Single Mode fiber SMF-28e Optical Fiber 5,000m / 5km, 5km spool of premium single-mode fiber with extended wavelength range (1260–1625nm). Precision RF and optical test equipment sales, calibration, and repair by. Sfp 28|Enhance your network with our 10G SFP+ Duplex LC Optical Fiber Module, featuring a single 5km 1310nm reach and compatibility with a wide range of switches for reliable 10G Ethernet connectivity. 25Gbps Bi-directional (BiDi) Small Form Factor Pluggable (SFP) transceiver module series is specifically designed for the high performance integrated duplex data link over a single optical fiber.

Article Content

5km Single Fiber Optic

Discover 5km single fiber optic cables with single-mode fiber optical cable technology for reliable fiber-optic communication. CE certified, ideal for FPV drones and long-range data transmission.

Gigabit Single-Mode Dual-Fiber Optical Module 1.25G Optical

Buy MDWXDOFP Gigabit Single-Mode Dual-Fiber Optical Module 1.25G Optical Module SFP Fully Compatible with H3C and Other switches (5km): Network Transceivers - Amazon FREE

1G SFP Transceivers | Mini-GBIC SFP Modules

Click to get your 1GBE transceiver modules from nearby warehouses. 30-Day Free Return. Trusted by 260K+ Enterprise Users.

Corning Single Mode fiber SMF-28e Optical Fiber 5,000m / 5km

The 5km length is sufficient for test loops, delay line experiments, or performance validation of optical components like OTDRs, amplifiers, and transceivers. It is particularly useful in technician

Lantech Communications Global, Inc.

Lantech 1.25Gbps Bi-directional (BiDi) Small Form Factor Pluggable (SFP) transceiver module series is specifically designed for the high performance integrated duplex data link over a single optical fiber.

1.25 Gbit/s SFP/eSFP Optical Module

You can use different levels of 1.25 Gbit/s SFP/eSFP optical modules with GE interfaces and 10 GE interfaces. The wavelength of common 1.25 Gbit/s SFP/eSFP optical modules can be 850

FPV Optical Fiber Image & Data Module (SKY/GBD) — Single-Mode

Overview The Fiber Optic Image Digital Module (OPTICALLINK series) creates a wired, long-range, interference-immune link for drones and robots. Using single-mode fiber and FC connectors, it

SFP Module SC connector 1.25G BiDi 1310nm/1550nm WDM switch

5KM/20KM SM SC Gigabit SFP Transceiver Module 1.25G Single Mode Single Fiber Optic Communication Equipment with Cisco Switch 1. Compatible with Cisco/Mikrotik switch 2. Data

Single-mode optical fiber

A multi-fiber optical connector is designed to simultaneously join multiple optical fibers together, with each optical fiber being joined to only one other optical fiber.

China 2018 Mataas na kalidad na SFP+ Optical Module

2018 Mataas na kalidad na SFP+ Optical Module - 1.25G Single Mode 20Km DDM | Dual Fiber SFP Transceiver JHA3420D - JHA

Optics Transceiver Module Market 2025

Key product categories include single-mode optical modules for long-distance communication and multi-mode optical modules for shorter-range applications. Market growth is driven by surging demand for

S8700 Series | Hongtelecom

QSFP-100G-CWDM4-Lite 02312UJN Huawei Optical Transceiver 100GBase-CWDM4-Lite Optical Transceiver,QSFP28,100G,Single-mode module (1310nm,0.5km,LC) \$360.00 [Read More](#)

Huawei QSFP

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

Optical Transceiver Market Size, Growth Drivers

Optical Transceiver Market Size & Share Analysis - Growth Trends and Forecast (2026 - 2031) The Optical Transceiver Market Report is

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.

Optical Transceiver Market Insights and Growth Report

A single-mode fiber transceiver is a self-contained optical transceiver module that can receive and send data over single-mode optical fiber cables that enable

OSX010000 SFP+ OSX010000 price and specs

OSX010000 SFP+ is Optical Transceiver,SFP+,10G,Single-mode Module (1310nm,10km,LC) OSX010000 SFP+ Product Overview OSX010000 SFP+ is a

Single-Mode vs Multi-Mode Fiber: Complete Comparison Guide

Single-mode fiber and multi-mode fiber are the two fundamental types of optical fiber. They look almost identical from the outside, but their internal structure, transmission principles, and application

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

