

10 Gigabit Home Fabric Single-Mode Fiber Optic



Overview

The GSFIBER-SFP-10K is a Gigabit Ethernet single-mode SFP transceiver. Utilizing LC connectors and operating at a 1310nm wavelength, it enables high-speed data transmission over single-mode fiber for distances up to 10 kilometers. This module provides a reliable long-reach fiber optic connection. As 10GbE technology becomes integral to modern digital lifestyles—powered by 8K streaming, VR ecosystems, and smart home innovations—upgrading to a 10G fiber home network is no longer a niche project but a future-proof investment. For homes and small businesses, fiber-optic infrastructure offers. The 10 Gigabit Singlemode SFP+ Transceivers provide high-performance, reliable connectivity for modern 10 Gigabit Ethernet (10GbE) networks. The Intellinet 10 Gigabit Fiber SFP Optical Transceiver Module (model 507479). H!Fiber offers one-stop Datacenter solution and products, including SFP Transceivers, DAC Cables, Network Card, Media Converters, Fiber Optical Cables, Minisas Cables and more. We have a professional technical team to provide you with professional pre-sales and after-sales service. 10GBASE-LR SFP+. Item #: FOLZHM4-002M-LCLC-BL OM4 50/125 Multimode Fiber Optic Patch Cable - LSZH, LC to LC, Blue, 2-m (6.

Article Content

SFP Transceiver

The GSFIBER-SFP-10K is a Gigabit Ethernet single-mode SFP transceiver. Utilizing LC connectors and operating at a 1310nm wavelength, it enables high-speed data transmission over single-mode fiber

10 Gigabit Singlemode SFP+ Fiber Optic Transceivers

The 10 Gigabit Singlemode SFP+ Transceivers provide high-performance, reliable connectivity for modern 10 Gigabit Ethernet (10GbE) networks. These

Ribbon Fiber Optic Cable Market Trends and Insights

Ribbon Fiber Optic Cable market expands at 10.8% CAGR, reaching \$3.9 billion by 2024. This growth is driven by FTTx expansion and surging data demand. Gain market insights.

Cisco SFP-10G-LR Compatible SFP+ Module

THE IT PRO'S CHOICE: Designed and built for IT Professionals, this SFP module is backed for life (lifetime of module, not network switch), including free lifetime

fiber to e1 converter

Single Fiber Dual fiber Fiber Optic Media Converter Transceivers 10/100/1000M Ethernet media converter adopts switching technology to fulfill media conversion. The traditional 10/100/1000M

fiber optic nic card | Newegg

StarTech USB 3.0 to Fiber Optic Converter - USB to Open SFP Adapter - Gigabit Network Adapter Multi Mode (MMF)/Single Mode Fiber (SMF) Standards: IEEE 802.3z 1000BASE-SX/LX IEEE

H!Fiber 10G Single Mode SFP+ LC Module, 10GBase

H!Fiber offers one-stop Datacenter solution and products, including SFP Transceivers, DAC Cables, Network Card, Media Converters, Fiber Optical

SFP 10 Gigabit Fiber Module

Find great prices on our 10GBase-LR LC singlemode 1310nm SFP ethernet fiber modules.

SFP+ Single Mode LC Module (10km)

TRENDnet's SFP+ Single Mode LC Modules are compatible with standard SFP+ slots found on network switches and fiber converters. Each single mode 10G

Fiber Optic Patch Cable Directory

Are you installing a brand new fiber optic network or repairing a legacy system? Use our fiber optic patch cord directory. It will help you determine what kind of cables you need for the job. Still need help?

10 Gigabit Ethernet Fiber Design Considerations

This paper has introduced some basic fiber related concepts and outlined some of the key points to understand and consider when designing a 10 Gigabit Ethernet network.

Fiber Optic Patch Cables Strategic Roadmap: Analysis and Forecasts

The increasing adoption of fiber optic sensors in industries like healthcare and manufacturing further contributes to market growth. While singlemode fiber optic patch cables lead

Intellinet 10 Gigabit Fiber SFP + (LC) Single-Mode

The Intellinet 10 Gigabit Fiber SFP Optical Transceiver Module

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Fiber Optic Cables vs. Ethernet Cables: What's the

Fiber optic cables and Ethernet cables are two of the most important data transfer cable standards there are, but with their use cases often crossing

Passive optical network

Passive optical network A fiber optic cable assembly with SC APC connectors, as commonly used to link optical network terminals to passive optical networks A

InfiniBand

QSFP connectors are used. The InfiniBand Association also specified the CXP connector system for speeds up to 120 Gbit/s over copper, active optical cables,

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

Commonly, 850nm SFP can reach up to 550 meters with multimode fiber optics, and the 1550nm SFP supports up to a maximum of 160km via single mode fiber cables. On the other hand,

Cables, Adapters, Fiber, Network Add-ons & Tools | Computer Cable

Cables, Adapters, Fiber, Network Add-ons & Tools This 20m Multimode Duplex OM4 Fiber Optic Patch Cable (50/125) - LC to LC has ceramic ferrules and a 50/125 micron core, this cable is suitable for

Fiber Optic Cable Market Size, Demand, Growth By 2035

Market Segmentation: Single-mode fiber contributes 55 %, multi-mode fiber 35 %, and plastic optical fiber 10 % of total market usage. Recent Development: Expansion of 5G and data

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Build a 10G Fiber Home Network: Ultimate Guide to Cable, Jumper,

Learn how to design a future-proof 10G fiber home network using premium fiber optic cables, jumpers, PLC splitters, and enclosures. Step-by-step guide to hardware selection,

10 Best routers for fiber optic internets

FOR HOME FIBER NETWORKS - Our Single mode fiber optic cables are perfect for industrial or Fiber in the home installations. This cable is commonly used for Verizon Fios, Google

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OM4 multimode fiber optic cable MMF duplex 50µm/125µm LC/PC

Duplex Multi-Mode (MM) fiber optic cable type OM4 compliant with ISO-11801. LC/PC connectors on both ends. Laser-optimized fiber with a 50 µm core and a 125 µm cladding. It supports speeds up to

Fiber optic cable Market Size, Share & Trends, 2033

Based on cable type, the non-armored fiber optic cables segment dominated the market with 45.1% share in 2024, supported by their cost-effectiveness and wide usage in telecom

Contact Us

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