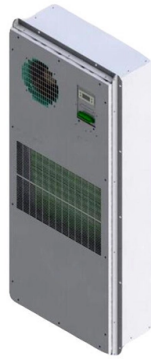


Gigabit Single-Mode Fiber Module



Article Overview

Gigabit Single-Mode Fiber Modules typically operate at 1310nm wavelength, support distances up to 10 km, use LC connectors, and include digital optical monitoring for real-time performance tracking.

Key Specifications

Wavelength and Connector: Most Gigabit single-mode SFP modules operate at a 1310nm wavelength and use LC connectors for fiber connections, ensuring compatibility with standard single-mode fiber (SMF) networks .

Transmission Distance: Standard modules support distances up to 10 km, suitable for enterprise LANs, industrial networks, and long-reach fiber links . Some industrial-grade modules may extend beyond this range depending on the model.

Data Rate: These modules are designed for 1 Gbps (Gigabit Ethernet) applications, providing reliable high-speed data transmission over single-mode fiber .

Form Factor: They use the Small Form-Factor Pluggable (SFP) design, which is hot-swappable and compact, allowing easy installation and replacement without powering down network equipment .

Operating Temperature: Industrial-grade modules often support extreme temperatures from -40°C to 85°C, making them suitable for harsh environments .

Digital Optical Monitoring (DOM): Many modules include DOM/DDM functionality, enabling real-time monitoring of optical output power, input power, temperature, laser bias current, and supply voltage, which helps maintain network reliability and performance .

Compatibility: These SFP modules are MSA-compliant, ensuring interoperability with a wide range of network switches and routers from vendors such as Cisco, Ubiquiti, Intellinet, TP-Link, D-Link, and others .

Power Consumption and EMI Protection: Modules are designed for low power consumption, minimal electromagnetic interfer...

Article Content

Single Mode Fiber SFP – SFP Single Mode LC Module (20km)

Each TEG-MGBS20 single mode fiber SFP is equipped with a duplex LC fiber connection interface, supports high-speed data rates

Amazon : Single Mode Sfp

Discover high-performance single mode SFP modules for your network. Compatible with major brands like Cisco, Ubiquiti, and more.

Singlemode: Transceiver Lösungen & Einsatzbereiche

Singlemode: Transceiver Lösungen von Fiber24. Individuell ideal für große Entfernungen flexibel Hier bei Fiber24 entdecken und

Gigabit SFP Module: A Complete Guide to 1G SFP Transceivers

1000BASE-LX SFP for single-mode fiber transmission 1000BASE-BX SFP for single-fiber BiDi communication 1000BASE-T SFP for

Gigabit SFP modules with fiber optic modes » buy online now

Our SFP modules support various fiber modes, including singlemode and multimode. Depending on your requirements, you need to

Multi-mode optical fiber

Applications The equipment used for communications over multi-mode optical fiber is less expensive than that for single-mode

Fiber Modules

SFP modules support very low EMI and excellent ESD protection. Featuring low power consumption, these fiber modules are ideal

Cisco SFP Modules for Gigabit Ethernet Applications

The 1000BASE-ZX SFP operates on standard single-mode fiber-optic link spans of up to approximately 70 km in length. The SFP

Gigabit SFP Module: A Complete Guide to 1G SFP Transceivers

Learn what a gigabit SFP module is, how it works, main types, key specifications, and common use cases to choose the right 1G

Fiber Modules

SFP/SFP+ Modules Grandstream Network offers a wide variety of fiber modules. All of them are hot-pluggable small-form factor

What Are The Types Of Gigabit Optical Modules

The Gigabit single-mode optical module can be used together with OS2 single-mode optical fiber patch cord, and the

Gigabit single-mode single-core fiber optic module

Therefore, the 155M optical module is also called FE (100M) optical module, and the 1.25G optical module is also called

Singlemode transceiver modules buy online

Discover our high-quality singlemode transceiver modules at Fiber24. Available in many different models.

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

10GBase-LR SFP+: 10 Gigabit Ethernet Single Mode SFP+ Module, 10 Gb/s, 1310nm wavelength, Duplex Dual LC,

SFP Transceiver

Utilizing LC connectors and operating at a 1310nm wavelength, it enables high-speed data transmission over single-mode fiber for

TP-LINK Omada Gigabit SFP Module, 1000Base-SX Multi-Mode Fiber

TP-LINK Omada Gigabit SFP Module, 1000Base-SX Multi-Mode Fiber Mini GBIC Module, Plug and Play, LC/UPC Interface, Up to

Gigabit Fiber SFP Optical Transceiver Module

The transceiver is available as a mini-GBIC form factor, making it ideal for environments that require many

Gigabit SFP Modules | Fiber SFP | Copper SFP | Antaira

Gigabit SFP Modules Antaira offers a wide range of Gigabit SFP modules for fiber and copper connections including multi-mode and

Cisco SFP Modules for Gigabit Ethernet Applications Data Sheet

This data sheet describes the benefits, specifications, and ordering information for the Cisco SFP Modules for Gigabit

Industrial Gigabit Fiber SFP Optical Transceiver

Compatibility in your network is everything, and this industrial SFP Transceiver Module delivers. Use it with

10G Single-Mode/10KM Fiber SFP+ Module

The 2A-142G 10G Single-Mode/10KM Fiber SFP+ Module is designed for use in 10GbE Ethernet environment that allows you to

StarTech MSA Uncoded Compatible SFP Module

StarTech MSA Uncoded Compatible SFP Module - 1000BASE-ZX - 1GbE Single Mode Fiber (SMF) Optic Transceiver - 1GE

TP-Link Gigabit SFP Module | 1000Base-LX Single-mode Fiber Mini

Single-Mode MiniGBIC module, Supports full-duplex Wave Length: 1310nm. Data Rate: 1.25Gbps. Port Type: LC/UPC Max. Cable

TP-LINK TL-SM311LS

Single-Mode MiniGBIC module, Supports full-duplex. Max. Cable Length: 12.4miles (20km) for 9/125um Single-Mode Fiber.

Contact Us

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

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

Email: sales@watermanfinance.co.za

Phone: +49-176-8294713

Address: Neue Mainzer Str. 66-68, 60311 Frankfurt am Main, Germany

This document is for informational purposes only. Specifications subject to change without notice.

