

Tsc Single-mode Fiber Optic Communication Module



AI Overview

The TSC Single-mode Fiber Optic Communication Module (MC210FT-15) is a plug-and-play transceiver designed for long-distance single-mode fiber communication, supporting reliable high-speed data transmission.

Overview

The TSC MC210FT-15 is a single-mode fiber optic transceiver module suitable for professional networking environments. It is designed to transmit and receive optical signals over single-mode fiber, enabling long-distance communication with minimal signal loss. These modules are typically used in network upgrades, expansions, or high-speed communication setups where reliability and signal integrity are critical.

Key Features

- Fiber Type: Single-mode, optimized for long-distance transmission.
- Connector Type: LC Duplex or LC Simplex, depending on the specific model, providing flexibility for different fiber setups.
- Distance Support: Depending on wavelength and model, distances can range from 2 km up to 180 km, with common wavelengths including 1310nm and 1550nm.
- Compatibility: Works with a variety of networking devices, including Cisco hardware, and fits standard SFP slots for easy integration.
- Bidirectional (BiDi) Options: Some models allow bidirectional communication over a single fiber strand, reducing cabling costs and simplifying network management.

Article Content

Simplex vs Duplex Fiber Cable: Key Differences and How to Choose

Simplex vs duplex fiber cable is a common comparison when designing or upgrading a fiber optic network. While both

10Mb/s Single Mode 1310nm 10km SC/FC/ST 1x9 TTL Optical

The transceivers are high-performance, cost-effective modules with a TTL data interface that supports a data rate of 10Mbps and a

TSC Carat 1008FC High-Performance Fiber Optic Module

This fiber optic module is built to withstand harsh environmental conditions, featuring an operating temperature range from -40°C to

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The Essential Guide to BiDi Transceivers: Everything You Need to Know

Bi-Directional (BiDi) Transceiver is a compact optical transceiver module that uses WDM (wavelength division

Single-mode optical fiber

In fiber-optic communication, a single-mode optical fiber, also known as fundamental- or mono-mode, is an optical fiber designed

Elfcam®

Elfcam® - 2 Pack 1.25 Gbps SFP Transceiver Module 1310nm 10km, Single Mode Duplex LC/UPC Optical Fiber Port OS2,

TCF-142-S-SC

Serial-to-Fiber Converters Moxa's industrial-grade serial-to-fiber optic converters can convert RS-232/422/485 to optical fiber, which

CAN-bus to Single mode converter, DL-CAN-2x

The DL-CAN-2x modules connect CAN field bus networks (e.g. CAN, CANopen, DeviceNet) via single mode fiber optics. With the

Understanding Single-mode and Multi-mode Optical Modules and Optical ...

Conclusion: In conclusion, single-mode and multi-mode optical modules and fibers serve distinct purposes in sfp optical module

Fiber Optic Communication Components & Products, Fiber Optic

T& S Communication is one of the leading fiber optic component manufacturers in China. With 20 years' history, 1400+ employees,

Fiber Optic Transceiver Modules | Optoelectronics

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Single Mode SFP Fiber Module

Single Mode SFP Fiber Module is a cost effective way to connect a single network device to a wide variety of fiber cable distances

Single Mode Fiber Transceivers – Fiber Savvy

Single Mode Fiber Optic Transceivers are essential components in high-speed, long-distance data transfer networks. Their ability to

What Is A Single-Fiber BiDi Transceiver?--ETU-LINK

When planning a fiber optic network, one key decision is choosing between single-fiber (BiDi) and dual-fiber optical transceivers. This

What is an SFP Module? An Ultimate Guide | SFP Transceivers

When comparing Single-mode SFP vs. Multimode SFP, Single-mode SFPs are used for long-range fiber optic

SFP Gigabit Transceivers Singlemode Single-Strand BiDi

Discover SFP Gigabit single-strand BiDi modules for 20Km with SC connector. Cisco compatible - buy now for efficient fiber links!

Optics and Transceivers | Fiber Optical Transceivers

The fiber optic transceiver modules can work in any network architecture through professional capabilities and in-house lab test.

Singlemode transceiver modules buy online

Discover our diverse selection of singlemode transceiver modules, which have been specially developed for long-lasting, reliable and

Schneider Electric Transceiver Module, Single Mode

The Schneider Electric Fiber SFP module is designed for TCSESM switches, offering a 1000BASE-LX connection suitable for both

1G SFP Transceivers | Mini-GBIC SFP Modules

FS gigabit ethernet transceiver solutions provide fibre or copper options including 1000BASE-SX, 1000BASE-LX/LH, 1000BASE-T

Gravity: UART Fiber Optic Transceiver Module

Features With complete electrical isolation Lightning protection Specifications Supply Voltage: 3.3V~5V

UART Fiber Optic Transceiver Module + 3mm SC-SC

Now get rid of these problems by using this Gravity: UART Fiber Optic Transceiver Module from DFRobot!

TCSEAAF1LFS00

This fibre optic adaptor has 1000BASE-LX Ethernet port for TCSESM switches. This product offers you a smart and flexible way to

single mode sc fiber media converters | Newegg

StarTech 10/100 Mbps Single Mode Fiber Media Converter SC 30km Form Factor: Desktop Rack-mountable Network Media:

Simplex vs Duplex Fiber Optic Cable – Key Differences & Uses

Discover the differences between simplex and duplex fiber optic cables, their pros, cons, and best applications in

Intro to Networking

Multi-Mode Fiber Single-Mode Fiber SFP/SFP+ Module Types Related Articles Introduction Back to Top Fiber optic cabling is an

SFP Fiber Optic Connector Types: LC, SC, MPO Explained

Connector types do not inherently differ between single-mode and multimode SFP modules—the same connector can be used for

What is Optical Transceiver: A Beginner Guide (2024)

What is an Optical Transceiver? An optical transceiver, also known as a fiber optic transceiver or optical module, is a

1.25G SFP Module, Single Mode SC, TX1550nm, DDM 10KM

1.25G SFP Module, SC Single-mode Fiber Optic Cable Connector, 1000 Base-BX TX 1550nm / RX 1330nm Single-mode, DDM

1box (2pcs) new TSC Single-mode Fiber Transceiver MC210FT-15

Communication was excellent throughout the process, and the seller was friendly and professional at every step. I

Singlemode SFP Transceivers Fiber Optic Transmitters, Receivers ...

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

Email: info@kilitech.co.za

Phone: +44 20 7183 2649

Address: 1st Floor, The Shard, 32 London Bridge Street, London, SE1 9SG,
United Kingdom

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