

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

Shop Fiber

Search Wall Mount Cabinets VIEW NOW Mini Wall Mount Cabinets VIEW NOW VIEW NOW VIEW NOW Signal Fire AI-5 For Only

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

Shop DigiKey's large in-stock selection of Fiber Optic Transceiver Modules. View inventory, pricing and

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 ...

Singlemode SFP Transceivers Fiber Optic Transmitters, Receivers, Transceivers are available at Mouser Electronics. Mouser offers

Contact Us

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

Website: <https://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

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

