

Optical mode module SC port



Article Overview

An SC port on an optical module refers to a Small Form-factor Pluggable (SFP) transceiver with a square push-pull SC fiber connector, commonly used for legacy fiber networks.

What is an SC Connector?

The SC (Subscriber Connector or Standard Connector) is a fiber optic connector with a square body and a push-pull latch mechanism, designed for easy insertion and removal while maintaining stable optical alignment . It uses a 2.5 mm ferrule to align the fiber core, ensuring minimal insertion loss and reliable signal transmission . SC connectors are widely used in routers, switches, GBIC transceivers, and enterprise networks, particularly in legacy or FTTH installations .

SC vs LC Connectors in SFP Modules

Most modern SFP modules use LC connectors due to their smaller 1.25 mm ferrule, which allows higher port density in data centers and modern patch panels . However, SC SFP modules exist to support legacy SC-based fiber cabling, enabling direct connection without requiring LC-to-SC adapters . Key differences include:

- Size: SC is larger (2.5 mm ferrule) vs LC (1.25 mm ferrule)
- Port Density: LC supports higher density; SC occupies more space
- Compatibility: SC is ideal for older fiber infrastructure; LC is standard for modern SFP/SFP+ modules
- Transceiver Type: SC SFPs are often limited to BiDi transceivers due to space con...

Article Content

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s p e c i f i c a t i o n s SC Fiber Optic Adapters shall be compliant with TIA FOCIS-3. Each simplex SC adapter shall connect one SC

Fiber Optic Module,Fiber Media Converter Module 1310nm 100M

Dual Fiber Single Mode Module: With SC port, you can easily extend your 100 Gigabit or Fast Ethernet network up to 25km.

SC APC SFP Module Guide for Optical Network Selection

An SC APC SFP module is a pluggable optical transceiver that integrates a standard fiber SFP form factor with an SC APC fiber

SC Fiber Optic Adapters

Panduit SC Fiber Optic Adapters can be used with Mini-Com® Modules, Patch Panels, Faceplates and Surface Mount Boxes for a

Optic Modules Datasheet

Features and Benefits The following table lists the different pluggable optic modules and supported platforms, along with the

SC SFP – Optcore

SC SFP BiDi Transceiver The SC SFP module is only available for BiDi SFP types. Because the regular SFP module does not have

Multimode Simplex SC Connectors Fiber Optic Connectors

Multimode Simplex SC Connectors Fiber Optic Connectors are available at Mouser Electronics. Mouser offers inventory, pricing, &

Elfcam®

Elfcam® - 1-Piar 1.25G SFP Module Single Mode with the Fiber Optic Port SC/UPC Singlemode, DDM 10km, Compatible with Cisco

SINGLE-MODE MODULE SFP-203/5G/SC

Modules complying with most of switches and routers with SFP socket. Attention! The SFP-203/5G/SC requires to cooperation the

SFP LC VS SC Connectors for SFP Transceivers Explained in Detail ...

SC connectors stand out due to their push and pull design featuring a locking tab. These connectors are widely chosen for their

SFP Modules, Media Converters, Active Optical Network Factory

All the optical modules independently developed by the company can realize automated mass production and have accumulated rich

Contact Us

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