

Sc interface FC interface

LoRawan outdoor base station

- * Industrial Internet gateway
- * Compatible with LoRaWAN network,
- * ClassA/B/C mode
- * Support 8/16 channel
- * Supports PoE power
- * supply and backup battery power supply
- * 10KV lightning protection



Summary of Content

SC connectors are square, push-pull connectors commonly used in data centers, while FC connectors are round, screw-threaded connectors designed for high-reliability telecom and long-haul applications.

SC (Subscriber Connector) Interface

The SC connector features a large square body with a push-pull latch mechanism, making it easy to insert and remove without rotation . It is widely used in switches, routers, GBIC transceivers, and local area networks. SC connectors can be configured as duplex, triplex, or quadruplex, supporting high installation density . Advantages include simple plug-in design, good mechanical stability, and low cost, while disadvantages include the potential to disconnect if pulled sharply and a larger footprint compared to LC connectors .

FC (Ferrule Connector) Interface

The FC connector has a round metal body with a screw-threaded connection, providing a rugged and dust-resistant interface . It is commonly used in telecom systems, optical distribution frames (ODFs), and long-haul networks where vibration resistance and high reliability are critical. FC connectors are easy to manufacture and operate, but the fiber end face is sensitive to dust, and they are prone to Fresnel reflection if not properly cleaned . The screw-threaded design ensures a secure connection under vibration, making it ideal for demanding environments.

Key Differences

Article Content

Fiber Connector Types

However, the widely used types are about a dozen of fiber optic connectors, which can be divided into single-fiber,

Detailed Explanation of FC, ST, SC, and LC Fiber-Optic Interfaces

The diameter of the ferrule and sleeve it uses is 1.25mm, which is half of the size used by ordinary SC, FC, etc. It can

Differences Between ST, SC, FC, and LC Fiber Connectors

The size of the pins and sleeves used is half of the size used in ordinary SC, FC, etc., 1.25mm. This can improve the

Differences Between ST, SC, FC, and LC Fiber Connectors 2025

Learn the differences between ST, SC, FC, and LC fiber connectors. Explore connector types, PC/UPC/APC polish,

Understanding Fiber Connector Types ST SC LC FC with UDP or

When working with fiber optic technology, you'll frequently encounter terms like SC UPC, LC UPC, SC APC, LC APC, FC APC, and

Differences Between ST, SC, FC, and LC Fiber

Learn the differences between ST, SC, FC, and LC fiber connectors. Explore connector

Differences between ST, SC, FC, LC fiber optic connectors

ST and SC interfaces are two types of fiber optic connectors. For 10Base-F connection, the connector is usually ST

Fiber Connectors Explained: SC, LC, FC, MPO & VSFF

SC, LC, and FC represent single-fiber connector families optimized for different physical and operational constraints. SC connectors

LC vs SC vs ST vs FC vs MPO/MTP: Fiber Connectors Explained

LC is a compact connector widely used on pluggable Ethernet optics, SC is a larger push-pull family common in panels

ST, SC, FC, LC fiber optic connector interface difference

People who are not often exposed to optical fibers may mistakenly think that the optical fiber connectors of GBIC and SFP modules

Optical fiber connector

An FC connector should not be used in vibrating environments due to its threaded lock. FC connectors have been replaced in many

Contact Us

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