

The SC optical module can be replaced with an LC module



Overview

While both are proven fiber connectors, they are not interchangeable on SFP modules. Choosing the wrong one can lead to costly restocking fees or project delays. However, these modules come with different types of connectors, the most common being SC (Standard). Most SFP fiber optic modules use LC connectors, while SC connectors are mainly found in legacy networks and MPO/MTP connectors are used for high-density cabling rather than directly on standard SFP modules. This connector landscape reflects how modern SFP deployments prioritize port density and. Although most SFP modules have an LC connector by default, very few SFPs provide an SC connector. This post will focus on LC SFP vs SC SFP and hopes to provide comprehensive insights and comparisons for end users. LC vs SC SFP: What is it?

SC SFP vs LC SFP: what is the difference?

SC SFP vs LC SFP:. However, one key factor is often overlooked: the type of connector used on the optical modules—LC or SC. The connector type can affect how much physical space you use, how easy the system is to maintain. If you are upgrading a network switch or deploying fiber to the home (FTTH), you will inevitably face the connector choice: LC vs SC. 5mm ferrule and is a plug-in device.

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Q3: What is the difference between SC and LC connectors? A: LC is smaller (half the size of SC) and supports higher port density, making it the

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