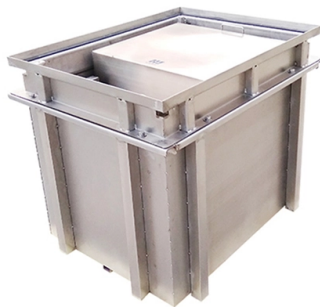


Is the switch s optical port SC or



AI Overview

Most modern switch SFP ports use LC connectors, while older XENPAK modules may use SC connectors.

Connector Types on Switches

Switches can have different types of fiber optic ports depending on the module or transceiver used:

- **SFP/SFP+ Modules:** These are the most common in modern switches and typically use LC connectors with a 1.25 mm ferrule and a secure latch mechanism. LC connectors are compact, support high-density deployments, and are widely used in data centers and enterprise networks .
- **XENPAK Modules:** Older 10-Gigabit fiber modules, such as those on the Cisco Catalyst 3750G-16TD, use SC connectors. SC connectors have a 2.5 mm ferrule and a push-pull coupling mechanism, making them more rugged but larger than LC connectors .
- **100BASE-FX Ports:** Some switches, like the Catalyst 3750, use MT-RJ connectors for multimode fiber, which can connect to SC or ST ports on other devices using appropriate patch cables .

Choosing the Right Connector

- **Compatibility:** Ensure the connector type on your switch matches the fiber patch cable or transceiver. If your wall jacks or existing cabling are SC, you may need an LC-to-SC patch cord when using modern SFP modules

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