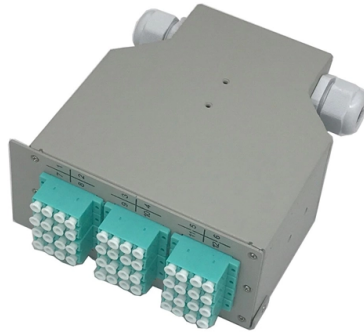


Does the switch have two fiber optic ports



AI Overview

A switch with two fiber optic ports allows high-speed, long-distance network connections and can integrate fiber and copper networks using SFP modules.

Overview

A switch equipped with two fiber optic ports is typically designed to support both fiber and copper Ethernet connections, often combining SFP (Small Form-factor Pluggable) fiber slots with standard RJ45 LAN ports . These fiber ports enable long-distance data transmission, making the switch suitable for connecting remote locations, extending network coverage, or linking multiple switches in a campus or enterprise network .

Fiber Port Types and Modules

- SFP Ports: Usually support up to 1.25 Gbps for Gigabit connections.
- SFP+ Ports: Support 10 Gbps for high-speed links.
- Combo Ports: Share a single logical port between an RJ45 copper interface and an SFP fiber interface; only one can be active at a time . The fiber ports can use either single-mode (SMF) or multi-mode (MMF) fiber modules:
 - Single-mode SFP: 1310 nm wavelength, suitable for distances up to 20 km.
 - Multi-mode SFP: 850 nm wavelength, suitable for short indoor connections up to 2 km .

Applications...

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Network switch combo port consists of two kinds of Ethernet interfaces - RJ45 port and SFP port. Here explains how

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