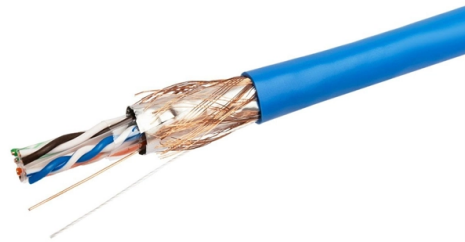


# How to use single dual port optical modules



## Overview

To connect an optical cable to an SFP module, use the appropriate patch cord (e., LC-LC, SC-LC, etc. The patch cord must match the fibre type - single-mode or multi-mode. Once connected, verify that the port activity indicator is on and run diagnostic commands to check the. Single fiber modules (BiDi) use one fiber for both transmitting and receiving data. BiDi module only has 1 port, wave filtering through the filter of module, and finished the transmitting of 1310nm optical signal. SFP (Small Form-factor Pluggable) is a compact, hot-pluggable network interface module used to connect network devices (switches, routers, firewalls) to fiber optic or copper cables. This. BiDi optical modules can do this by utilizing full-duplex communication over a single fiber strand via two wavelengths. It's essential to understand how to properly install and configure an SFP.

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### How to Install or Remove SFP, SFP+, QSFP, and XFP Modules

Understanding how to handle SFP module installation, manage PON systems, and work with transceivers is essential to maintaining a stable and reliable fibre optic network.

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