

# What optical module should I pair with a 1G optical port



## Overview

Note that, both 1G dual and BiDi fiber modules should be used in pairs. It will assist you in choosing an optical module that offers a combination of high compatibility and cost-effectiveness. 1G SFP transceivers are available in a range of models, each designed to cater to different networking technologies. These SFP module types are tailored to specific networking. This is where BiDi (Bidirectional) SFP optical modules become a game-changer, especially the versatile 1G BiDi SFP. Most enterprise switches (Cisco, Aruba, Juniper) allow 10G SFP+ ports to accept 1G SFP modules. However, you may need to manually set the port speed to 1000Mbps in the switch configuration. Check your platform's datasheet. Q2: Do BiDi SFPs work with standard duplex SFPs?

A: No. While SFP+ is primarily designed for 10 Gigabit Ethernet (10G) applications, it can operate at lower data rates, including 1 Gigabit per second (1G).



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## SFP Types Explained: 1G Modules, Distances & Selection

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