

Price of Optical Port Module for Switches



AI Overview

Optical port modules for switches, such as SFP and SFP+ transceivers, typically range from \$20 to \$300 or more depending on type, speed, and fiber compatibility.

Pricing Overview

1G SFP Modules: Standard gigabit SFP modules for short-range multi-mode fiber usually cost \$20–\$50, while single-mode modules for longer distances can range \$50–\$100.

10G SFP+ Modules: Higher-speed SFP+ modules for 10 Gigabit connections generally cost \$80–\$250, with prices increasing for long-distance single-mode or specialized CWDM/BiDi modules.

QSFP Modules (40G/100G): For data center or high-performance applications, QSFP modules can range from \$200 to \$400+, depending on distance and vendor.

Optical Switch Modules: Standalone optical switches (1x2, 1x4, 1x8, etc.) used for routing optical signals can cost \$100–\$500+, depending on port count, insertion loss, and technology (opto-mechanical or electro-optical).

Factors Affecting Price

Fiber Type: Single-mode modules are more expensive than multi-mode due to longer distance capability.

Data Rate: Higher-speed modules (10G, 25G, 40G, 100G) cost more than 1G modules.

Distance: Modules designed for long-distance transmission (10 km, 40 km, 80 km) are priced higher.

Vendor and Compatibility: OEM modules from Cisco, Juniper, or HP are typically more expensive than third-party compatible modules, which can be 30–50% cheaper.

Special Features: CWDM, BiDi, or temperature-hardened modules for industrial environments increase cost.

Where to Buy

DigiKey: Offers a wide selection of fiber optic switches, multiplexers, and transceivers with real-time pricing and same-day shipping.

FS.com: Provides 1G and 10G SFP/SFP+ modules with fiber or copper options, including short- and long-range modules.

WLAN-Shop24 and Fiber24: Offer SFP, SFP+, and QSFP modules for single-mode and multi-mode fiber, including third-party compatible options.

By selecting the appropriate module type, data rate, and fiber compatibility, you can tailor your network while managing costs effectively.

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Optical Switches

1x8, 1x16 Fiber Optical Switches This 1x8 and 1x16 optical switches are ideal modules for applications requiring high optical switchi...

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Optical Transceiver Modules Prices & Specifications

What is Optical Transceiver Modules/SFP? Optical Transceiver Modules/SFP, also called fiber optic transceiver or optical transceiver, is a typically hot-pluggable

Products

04 DWDM Dual Fiber Mux/DeMux 10 variants available M Module, 100GHz, 1310 Port, Monitor

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