

Tariff Costs Optical Switch SFP



Overview

Cisco SFP-10G-SR Compatible 10GBase-SR SFP+ 850nm 300m DOM Duplex LC MMF Optical Transceiver Module Attn; S.

Key Takeaways

SFP optical transceivers imported from China are subject to a 7.5% ad valorem duty under HTSUS 8517.62.0090, with additional Chapter 99 tariffs potentially increasing total import costs. SFP Module Pricing

The cost of SFP modules varies widely depending on speed, reach, and manufacturer:

- 1G SFPs: Third-party compatible modules typically range from \$5-\$25, while OEM-branded modules from Cisco, Juniper, or HPE can cost \$60-\$120+ for standard modules and up to \$2,000+ for carrier-grade or long-reach optics .
 - 10G SFP+ modules: Compatible modules often sell for tens of dollars, whereas OEM long-reach or DFB modules can reach hundreds of dollars .
 - Pricing is influenced by factors such as data rate, transmission distance, optical components (VCSEL vs. DFB), and firmware validation .
- Tariff Classification and Rates
- SFP optical transceivers are classified under HTSUS 8517.62.0090, which covers “machines for the reception, conversion, and transmission of data, including switching and routing apparatus” .

- Products of Chinese origin under this classification are subject to an additional 7.5% ad valorem duty per U.S. Note 20 to Subchapter III, Chapter 99, HTSUS .

- Recent U.S. import updates indicate that tariffs on China-origin transceivers and fiber cables can exceed 100%, significantly increasing total landed costs .

- Alternative sourcing from countries with lower tariffs (e.g., S2 products) can reduce duties to around 10%, helping mitigate cost increases .

Impact of Tariffs

- Tariffs increase the total cost of ownership for network upgrades, especially in high-density data centers or enterprise networks .

- Companies may shift to third-party compatible modules or source from non-China suppliers to reduce tariff exposure .

- Tariffs also affect supply chain planning, potentially causing delays due to extra customs documentation and compliance requirements .

Strategic Considerations

- Evaluate OEM vs. third-party modules: Third-party SFPs offer lower upfront costs but may have limited warranty or support .

- Consider sourcing from low-tariff regions to minimize import duties.

- Factor in total landed cost, including tariffs, shipping, and potential customs delays, rather than just the module price.

- For large-scale deployments, modular and open-architecture switches allow flexibility in mixing components from different vendors, reducing dependency on high-tariff imports . By combining careful sourcing, tariff-aware procurement, and strategic selection of SFP modules, organizations can manage both hardware costs and import duties effectively while maintaining network performance.

Article Content

Tariff Costs for Active Optical Modules SFP

Our AI has identified key compliance requirements, optimal sourcing regions, and upcoming tariff changes that could impact your

SFP Module Price: Strategic Cost Analysis and TCO Factors

Compare SFP module prices, OEM vs third-party costs, and total cost of ownership (TCO). Learn what drives SFP pricing and how

CROSS Ruling

This item is a single mode transceiver in a small form-factor pluggable (SFP) module for serial optical data communications with an

SFP to RJ45 Transceiver Cable for Switches Import Tariff & Duty Rate ...

HTS 8544.42.2000 import rates for SFP-RJ45 transceiver cables for switches. Telecom data center use; tips, compliance,

Small Form-factor Pluggable

Small Form-factor Pluggable (SFP) is a compact, hot-pluggable network interface module format used for both telecommunication

FluxLight | Optical Transceiver Solutions, Cables & Media Converters

Cisco SFP-10G-SR Compatible 10GBase-SR SFP+ 850nm 300m DOM Duplex LC MMF Optical Transceiver Module Attn; S. Verified

SFP Module Prices Comparison by Top 5 SFP Manufacturers 2023

This post hence illustrates the SFP module price comparison by researching top competitors' SFP price of our brand.

Customs Ruling NY N301457

The SFP slots are for mini GBIC adapters to connect Fiber Optic cabling. The first item, the T1500G-10PS 8-port POE switch with 2

Customs Ruling NY N336394

The merchandise under consideration is an optical transceiver, part# EOLP-1396-10-X. This item is a single mode

Why is There Such a Huge Variability in SFP+ Module Prices?

The optical transceivers used in these modules contribute to their higher cost. 4. The Price of Performance: Why High

Optical Transceiver Market Size, Share, Analysis 2030

The global Optical Transceiver Market size in terms of revenue was estimated to be worth \$13.6 billion in 2024 and is poised to reach

10G SFP Price Guide: How Much Does a 10G SFP Module Cost

Learn the latest 10G SFP price ranges, key cost factors, brand comparisons, and how to buy reliable 10G SFP modules at the best

US Tariffs Impact on Fiber Optic Components Market

Explore the impact of US tariffs on the fiber optic components market, highlighting increased production costs, supply chain

Customs and Trade Newsletter

SFP optical transceivers are classifiable under CTH 8517 70 902 In this case, the importer imported various models of small form

Sfp Fiber Module Imports Under Sub Chapter 8517

Information and reports on Sfp Fiber Module Imports Under Sub Chapter 8517 along with detailed shipment data, import price, export

Trump Tariffs Impact on Optical Transceiver Market

This article delves into the complex and far-reaching effects of the Trump-era tariffs on the global optical transceiver

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

