

Tariff Costs for Active Optical Devices SFP



AI Overview

SFP transceivers are classified under HTSUS 8517.62.0090, generally duty-free, but Chinese-origin units may incur a 25% Section 301 tariff. HTS Classification Active optical devices like SFP, SFP+, and QSFP modules are compact, hot-pluggable transceivers that convert electrical signals to optical signals and vice versa for high-speed data transmission. According to U.S. Customs rulings, these devices are classified under HTSUS subheading 8517.62.0090, which covers “machines for the reception, conversion, and transmission or regeneration of voice, images, or other data”. This classification applies to transceivers capable of operating independently, rather than as mere parts of other equipment. Duty Rates General U.S. duty: Most SFP transceivers under 8517.62.0090 are duty-free. Section 301 tariffs: Chinese-origin SFP transceivers are subject to a 25% additional tariff under Section 301, reflecting U.S.-China trade measures. This applies even if the device is branded by a U.S. or Japanese company, as customs considers the country of substantial transformation. Practical Cost Implications Unit cost impact: A typical 400G QSFP-DD transceiver costs \$150–\$600. A 25% Section 301 tariff adds \$37–\$150 per unit. Data center scale: For large deployments (e.g., 60,000 units at \$300 each), the 25% tariff can add \$4.5 million in duties per facility. Supply constraints: Non-Chinese alternatives exist in the U.S., Japan, Thailand, and Malaysia, but volumes are limited and lead times are longer, often offsetting tariff savings. Key Considerations Classification accuracy: Ensure the SFP module is correctly classified under 8517.62.0090 to avoid misapplied duties. Origin verification: Determine the country of origin for customs purposes, as Section 301 tariffs apply based on manufacturing location. Next-generation devices: New form factors or higher-speed...

Article Content

Customs Ruling NY N336394

The transceiver is used for transmitting and receiving information between two network devices via a fiber optic cable. In your request, you suggest that the correct classification for the

Sfp Transceiver Exports Under Sub Chapter 8517

Information and reports on Sfp Transceiver Exports Under Sub Chapter 8517 along with detailed shipment data, import price, export price, monthly trends, major exporting countries countries, major

Active Optical Module Market Research Report 2034

Active Optical Module market valued at \$10.7 billion in 2025, projected to reach \$35.6 billion by 2034 at 14.2% CAGR, driven by data center expansion and 5G deployment.

Harmonized Tariff Schedule

The Harmonized Tariff Schedule of the United States (HTS) sets out the tariff rates and statistical categories for all merchandise imported into the United States.

Small Form-factor Pluggable Optical Transceiver classifiable under

Background and Facts: IBM India Private Limited (the appellant) imported various types of Small Form-factor Pluggable (SFP) Optical Transceivers during the period from November 2018 to

Understanding the Key Variations: Active vs. Passive SFP+ Cables

Compare active vs. passive SFP+ cables in distance, signal quality, and cost to find the best fit for your 10G network needs.

SFP Module Price: Strategic Cost Analysis and TCO Factors

□ What Factors Drive SFP Module Price? SFP module pricing is primarily driven by the complexity of its internal optical components—specifically the laser type (VCSEL vs. DFB/EML) required for the

SFP / SFP+ / QSFP Transceiver Module (Fibre Optic Network) HS

Actual duties may differ based on country of origin, applicable trade agreements (e.g. GSP, CETA, UK-EU TCA), anti-dumping measures, or changes to tariff schedules.

Active Optical Devices Market Research Report 2034

The Active Optical Devices market was valued at \$6.57 billion in 2025 and is projected to reach \$15.29 billion by 2034, growing at 9.8% CAGR.

SFP+ DAC Explained: Passive vs Active, Lengths, and Buying Guide

Learn everything about SFP+ Direct Attach Copper cables. Understand passive vs active, cable lengths, AWG choices, compatibility, and installation practices.

Customs Ruling HQ H273383

Product Series 106414 – an active optical cable (AOC) with a QSFP+ transceiver on one end and a MPO connector on the other; and Product Series 1016411 and 106410 – active optical cables with

Customs Ruling NY N336394

This item is a single mode transceiver in a small form-factor pluggable (SFP) module for serial optical data communications with an operating data rate of 11.3Gbps and transmission distance of up to 10

Classification of SFP Transceivers in Customs Ruling

Classification of Small Form Factor Pluggable Transceivers under Customs Tariff, along with duty eligibility under Notification No. 57/2017-Cus, is discussed.

Arista Optics Modules and Cables

100G SFP-DD and DSFP cables for cost effective NIC connectivity 200G QSFP optics, AOCs and cables for simple upgrade from 100G A Broad range of 400GE optics, AOCs and cables, in both

Optical Transceiver Pricing: Cost Ranges by Speed and Type

See practical price ranges for 1G–100G optical transceivers, DAC/AOC options, and why cost varies by speed, reach and technology — buying tips included.

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 to choose the best value.

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 industry. It covers cost implications, supply chain disruptions, strategic

U.S. Imports

With combined tariffs now exceeding 100% on China-origin transceivers and fiber cables, we can no longer recommend these options for U.S. customers. For significantly lower duties and

HS Code for sfp transceiver Update June 2026

Our AI has identified key compliance requirements, optimal sourcing regions, and upcoming tariff changes that could impact your margins. See the complete analysis to discover specific opportunities.

SFP modules – transceivers for 1/2/4G fibre channel

SFP Direct Attach Copper (DAC) Cables – Cost-effective, low-latency solutions for short-distance connectivity within racks and between adjacent switches. SFP

What is an SFP Module and How Does it Power Your Network?

What is an SFP Module An SFP (Small Form-factor Pluggable) module is a compact, hot-pluggable optical transceiver used in network equipment, such as switches, routers, and Optical Line

N301401: The tariff classification of media converters, SFP ...

These devices are hot-pluggable adapters that slide into an SFP slot on a business switch or router to allow single-mode or multi-mode fiber optic cable to be attached. They adapt the physical

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-factor pluggable (SFP) optical transceivers. The importer classified

SFP Module: What's It and How to Choose It?

The SFP transceiver module is not standardized by any official standards body but rather by a multi-source agreement (MSA). Optical transceiver is widely used to connect network devices,

Customs Ruling HQ H273383

This letter is in reply to your request for internal advice of January 8, 2016, at the behest of legal counsel on behalf of Communication Supply Corporation (also referred to herein as “CSC”) regarding the tariff

Tariff Costs for Active Optical Devices 400G

HTS Code 9005.80.40 US import tariffs and quota Specifically, code 9005.80.40 covers optical telescopes, binoculars, and monoculars, excluding those for radio astronomy, along with their

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 price, monthly trends, major exporting countries countries, major

HS Code Fiber Optic Cable Classification: A Comprehensive Guide

HS Code Classification for Fiber Optics Products: A Comprehensive Guide Fiber optics technology has revolutionized the way we communicate, enabling the rapid transmission of vast

SFP Active Optical Cable Market Size, Share, Trends & Forecast

Delve into detailed insights on the SFP Active Optical Cable Market, forecasted to expand from USD 1.25 billion in 2024 to USD 3.5 billion by 2033 at a CAGR of 12.5%. The report identifies key growth

Trade Tariff: look up commodity codes, duty and VAT rates

Search for import and export commodity codes and for tax, duty and licences that apply to your goods.

Contact Us

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