

Tariff Costs for Active Optical Modules 40G



AI Overview

40G active optical modules imported into the U.S. are generally subject to a 10% basic tariff, with exemptions from higher ad valorem tariffs on Chinese goods under Executive Order 14257. Current Tariff Landscape Active optical modules, including 40G QSFP+ transceivers and Active Optical Cables (AOCs), fall under Harmonized Tariff Schedule (HTS) number 8517.62, specifically subclass 8517.62.0090, which covers pluggable optical components. While the Trump-era trade policies initially imposed high tariffs on Chinese imports, these modules are exempt from the 245% ad valorem tariff on Chinese goods and from tariffs on other countries after a 90-day grace period. The standard 10% U.S. import tariff still applies to these components.

Cost Implications The imposition of tariffs historically increased the cost of Chinese-manufactured optical transceivers by approximately 25%, affecting large-scale purchasers such as hyperscale data centers and telecom operators. Even with exemptions, policy uncertainty continues to influence procurement strategies, often leading to cautious purchasing and potential short-term price increases.

Product Scope 40G active optical modules include QSFP+ modules (SR4, LR4, BIDI, CSR4, PIR4, LX4, IR4, PLR4, ER4), 40G converter modules, and AOCs/DACs with breakout cables. These modules support 40 Gigabit Ethernet and can operate over single-mode or multimode fiber, with link lengths ranging from 1 meter to 40 kilometers, depending on the module type and application. They are widely used in data centers, high-performance computing networks, enterprise core/distribution layers, and service provider networks.

Strategic Considerations Supply Chain Planning: Despite tariff exemptions, companies often face uncertainty in pricing and availability, which can slow procurement decisions. Capital Expenditure Impact: While tariffs may not...

Article Content

OCP EMEA 2025: FiberMall Demonstrates 800G Pluggable Optical Modules ...

Traditional pluggable optical modules incorporate digital signal processors (DSPs) that perform full digital equalization for both electrical and optical signals. Because these DSPs are power

40G QSFP+ Active Optical Cable Datasheet | FS

Description FS QSFP+ Active Optic Cables are a high performance, low power consumption, long reach interconnect solution supporting 40G Ethernet, fiber channel and PCIe. It is compliant with the

Selection Solution for 400G Optical Modules In Data Centers

This article is mainly about several options for 400G optical modules in data centers and the application scenarios.

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

Gauging the Optical Industry's Sentiment on the Trade War

No topic has dominated recent industry discussions more than the trade war and the impact tariffs may have on the explosive growth of AI and optical component shipments.

U.S. Global Tariffs Reshape World Optical Module Market Amid AI Boom

The U.S. government's 2025 tariff adjustments have triggered a seismic shift in the global optical module market, with far-reaching implications for supply chains, pricing, and technological

40G Active Optical Cable (AOC) Solution

There is no doubt that 40G AOC has a much lower cost than 40G QSFP+ module because of the following reasons. Firstly, 40G AOC can be directly connected to the system, while

Optical Modules Market Size, Growth Trends & Forecast

The region's large manufacturing base also ensures cost competitiveness, enabling rapid adoption and deployment of advanced optical modules. North America stands as the second-largest

40G Optical Transceivers and Cables Portfolio | FS

The series of product adopts LC or MTP/MPO connector and operates over Single Mode or Multimode optical fiber. They can be used for connections from 150m up to 40km and are suitable for 40G

400G Optical Modules: The Most In-Depth Q&A You'll

Q5:QSFP112 Backward Compatibility? A Yes, expected changes in connectors and enclosures do not impact backward compatibility, allowing

a Chinese interactive dictionary

Background: #fff Foreground: #000 PrimaryPale: #8cf PrimaryLight: #18f
PrimaryMid: #04b PrimaryDark: #014 SecondaryPale: #ffc SecondaryLight: #fe8
SecondaryMid: #db4

Trump Tariffs Impact on Optical Transceiver Market

The far-reaching impact of Trump-era tariffs on the optical transceiver market, including supply chain disruptions, rising costs, innovation shifts, and strategic adaptations shaping the future

September 2024 Flashcards in Roshann KN's MCQs: UPSC

The government must show that dumping took place, the extent of the dumping in terms of costs, and the injury or threat to cause injury to the domestic market. While anti-dumping duties intend to protect

Fiber Optic Component Market Size & Share Analysis

Key Report Takeaways By type, optical cables commanded 40.62% of the fiber optic component market share in 2025, while active optical cables are projected to expand at an 10.97%

Bulk Ethernet Cables: Cat5e, Cat6, Cat7 Bulk Cables

Buy Bulk Ethernet Cables - Cat5e, Cat6/6a, Cat7 cable 1000ft (UTP/SFTP, 305 metres, blue/yellow), multiple jacket colour of bulk cable available.

Top 10 Opportunities in Optical Transceivers Post-Trump Tariffs

Optical Transceiver 3. Acceleration of In-House Optical Module Design Opportunity: Vertical integration for better control Why it matters: Hyperscalers like Google, Amazon, and

Arista Optics Modules and Cables

Overview Arista's Optical Modules and Cable portfolio offer a wide variety of high-density and low-power 800G (dual 400G), 400G, 200G, 100G, 50G, 40G, 25G, 10G, 1G, and 100M Ethernet connectivity

The Evolution of Optical Modules: 400G → 800G → 1.6T - A Strategic ...

400G vs 800G vs 1.6T: Quick Comparison 400G, 800G, and 1.6T optical modules differ primarily in bandwidth, power efficiency, and deployment scenarios. 800G optical modules provide

Cisco 40GBASE QSFP Modules Data Sheet

QSFP-40G-SR4-S is aligned to IEEE 40GBASE-SR4 optical specifications which support high-bandwidth 40G optical links over 12-fiber parallel fiber terminated with MPO/MTP multifiber

Tariff Costs for Active Optical Devices 400G

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.

Tariff Costs for Active Optical Devices 400G

Wholesale Optical Transceivers Module | 100G QSFP28, 40G QSFP+ & 400G Shop high-speed optical transceivers from Unitekfiber. We offer 100% compatible 40G, 100G, and 400G QSFP-DD modules

Optical Transceiver Manufacturer, Introduction and application of 40G ...

In the application of 40G short-distance network transmission, compared with 40G optical module, 40G AOC active optical cable has no insertion loss and return loss, low material cost and maintenance

100GBASE QSFP-100G Modules Data Sheet

QSFP-100G Optical modules Features and benefits of Cisco QSFP modules Hot-swappable input/output device that plugs into a 100G Gigabit Ethernet Cisco QSFP port.

Customs Ruling HQ H335829

This is in response to your request dated November 7, 2023, on behalf of your client, Eoptolink Technology, Inc. ("Eoptolink"), regarding the country of origin of several models of optical transceiver

Contact Us

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