

Tariff Costs 1G Optical Transceiver Module



AI Overview

1G optical transceiver modules typically range from \$5 to \$120, depending on brand, type, and specifications. Price Overview The cost of a 1G SFP optical transceiver varies widely based on whether the module is OEM-branded or a compatible third-party unit. For standard 1000BASE-SX or 1000BASE-LX modules: Low-end/compatible modules: \$5-\$25 per unit, suitable for short-reach enterprise links or legacy aggregation ports. High-end/OEM-branded modules: \$60-\$120+, including industrial-grade or extended temperature models from vendors like Cisco, HPE, or Juniper. Types and Their Typical Uses 1000BASE-SX (Short Wavelength): Designed for multimode fiber, supporting distances up to 550 meters. Ideal for intra-building or campus connections. 1000BASE-LX (Long Wavelength): Works with single-mode or multimode fiber, reaching up to 10 kilometers. Suitable for inter-building or campus-wide links. 1000BASE-TX (Copper RJ45): Uses Cat5 twisted-pair cables, supporting distances up to 100 meters. Cost-effective for short-range deployments in offices or data centers. Vendor Options QSFPTEK and FS offer a wide selection of 1G SFP modules compatible with multiple networking brands, including Cisco, Huawei, Juniper, Arista, HPE, and NVIDIA/Mellanox. Modules are available in both fiber and copper variants, with hot-swappable designs for easy installation. Key Considerations Compatibility: Ensure the module matches your switch, router, or NIC vendor to avoid interoperability issues. Reach and environment: Choose SX, LX, or TX based on distance and fiber type. Warranty and reliability: OEM modules often provide longer warranties and guaranteed performance, while compatible modules offer cost savings. In summary, 1G optical transceivers are available from \$5 for generic modules to over \$120 for OEM or specialized units, with pricing influenced by type, reach, and brand compatibility.

Article Content

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

SFP transceivers are valued for their flexibility, low power consumption and ability to support both single-mode and multimode fiber, making them ideal for short-range

Pluggables, Power, and Geopolitics: Mapping the 800G

Pluggables, Power, and Geopolitics: Mapping the 800G and 1.6T Optical Transceiver Battle How AI Demand Is Reshaping Market Share, Supply

Fiber Optic Transceiver Imports Under HS Code 85177090

Information and reports on Fiber Optic Transceiver Imports Under HS Code 85177090 along with detailed shipment data, import price, export price, monthly trends, major exporting countries

Customs Ruling HQ H335829

The optical transceivers are imported into Thailand as physically complete “blank” transceivers. As noted in the request, the Thai-origin firmware controls the hardware and “ensures that the optical

85177950.00-Laser transceiver module for optical communication

Laser transceiver module for optical communication equipment Prev: 85177940.00 Components for walkie talkies (excluding antennas) Compare-85177940.00 Next: 85177990.00 Other communication

Optical Transceiver Manufacturers Reroute Strategies Amid U.S.

3. Shift Toward Higher Value, Tariff-Resilient Products Manufacturers began prioritizing the development and export of more advanced, higher-margin transceivers (like 100G, 200G, and

1G SFP Transceivers | Mini-GBIC SFP Modules

FS gigabit ethernet transceiver solutions provide fibre or copper options including 1000BASE-SX, 1000BASE-LX/LH, 1000BASE-T etc., from 100m to 160km, for 1G switches, routers, servers, NICs

What factors influence 400G optical transceiver

Discover the key factors that drive 400G optical transceiver pricing—from form-factor and component costs to market dynamics and sustainability.

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

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

Everything You Need to Know About 800G/1.6T Optical

Additionally, the current power consumption and cost of the 1.6T optical module are quite high, and there is still a long way to go compared to the

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 optical transceiver

1.6T OSFP224 | AI Ethernet Modules

FS provides 1.6T OSFP224, free & fast delivery, expert tech support, outstanding warranties.

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

Tariff Costs LPO Optical Module 1G

Optical Transceiver Pricing: Cost Ranges by Speed and See practical price ranges for 1G-100G optical transceivers, DAC/AOC options, and why cost varies by speed, reach and technology — buying tips

Technology from 400G to 800G to 1.6T Transceivers

This paper describes the technical route of optical communication from 400G to 800G to 1.6T optical modules and compares pluggable and CPO.

Optical Transceiver Manufacturers Reroute Strategies Amid U.S.

Manufacturers began prioritizing the development and export of more advanced, higher-margin transceivers (like 100G, 200G, and 400G modules) which offer better buffers against tariff

Trump Tariffs Impact on Optical Transceiver Market

Among the thousands of products affected were key components used in networking and telecommunications, including optical transceivers and related hardware. The tariffs imposed duties

Optical Transceiver Module Imports Under Sub Chapter 8517

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

1.6T OSFP224 | AI Ethernet Modules

FS provides 50/25/10/1G transceivers modules in SFP/SFP28/SFP56/QSFP28 form factor, supporting transmission distances from 30m to 160km over SMF/MMF

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.

Top 10 Opportunities in Optical Transceivers Post

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

1G SFP TRANSCEIVER MODULE Price

Check 1G SFP TRANSCEIVER MODULE price from the latest Cisco price list 2022.

Optical Transceiver Pricing: Cost Ranges by Speed and

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

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