

CIF Price for Active Optical Modules OSFP



AI Overview

The CIF price for OSFP active optical modules typically ranges from \$1,500 to \$4,000 per unit for 400G modules, with 800G modules commanding higher prices due to advanced components and lower volumes.

Price Range and Factors

The cost of OSFP active optical components depends on several key factors:

- Form Factor and Speed:** Standard OSFP modules supporting 400G (8x50G) are generally less expensive than 800G (8x100G) or OSFP-XD modules due to higher complexity and denser electrical lanes.
- Optical Components:** Modules using EML or DFB lasers for longer reach (FR4/LR4) add \$100–\$200 per unit, while DSP chips can cost \$150–\$300 per unit.
- Connectors and Housing:** MPO/MTP ferrules, gold-plated contacts, and integrated heatsinks increase manufacturing costs, especially for OSFP modules with superior thermal dissipation.
- Supply Chain and Volume:** Limited production volumes, silicon wafer shortages, or urgent orders can add up to 25% premium to the base price.
- Testing and Compliance:** Bit-error-rate testing, temperature cycling, and RoHS/REACH compliance add 3–5% to the total cost.

CIF Considerations

CIF pricing includes the product cost, insurance, and freight to the destination port. For OSFP modules:

- 400G OSFP modules:** CIF prices typically range \$1,500–\$4,000 per unit, depending on length, breakout configuration, and vendor.
- 800G OSFP modules:** CIF prices are higher, often \$3,500–\$6,000 per unit, reflecting advanced DSPs, higher lane speeds, and lower production volumes.
- Breakout and cable length:** Modules with 1:2, 1:4, or 1:8 breakouts or longer reach (up to 100m for multimode or 500m for single-mode) can increase the CIF price.

Recommendations

Vendor Selection: Compare multiple suppliers to account for volume discounts and regional shipping costs.

Early Specification Matching: Ensure the OSFP module is compatible with your switch/router ecosystem to avoid costly re-tooling.

Bulk Orders: Larger orders can reduce per-unit CIF costs due to amortized shipping and insurance.

In summary, wh...

Article Content

Ukrainian CIF Price for Active Optical Modules OSFP

A reference 1U system with 32 OSFP-XD ports was analyzed using airflow simulation tools for both 40W optical modules and 20W active electrical copper cables. As shown below, the OSFP-XD provides

800G OSFP/QSFP-DD Optical Transceivers for

High-density 800G OSFP and QSFP-DD transceivers support InfiniBand and RoCE, enabling 100m to 2km transmission via MMF and SMF.

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

Original Accelink Rtxm600-210 800g Osfp 2xfr4 Optical

Original Accelink Rtxm600-210 800g Osfp 2xfr4 Optical Transceiver Modules 2km 850GB/S, Find Details and Price about Rtxm600-210 800g and Accelink from

Charting the Path Toward 1.6T and 3.2T Optical Module

Furthermore, the shift toward 200G/lane optical links in data centers sets the stage for 1.6T and 3.2T optical module solutions with 200G/lane serial electrical

OSFP Packaged Optical Module Market Size & Share 2026-2032

Among these, the OSFP (Octal Small Form Factor Pluggable) packaged optical module has emerged as a frontrunner, promising to deliver unparalleled bandwidth density while supporting evolving interface

OSFP Module Market Research Report 2033

According to our latest research, the global OSFP Module market size reached USD 1.37 billion in 2024, and is anticipated to expand at a robust CAGR of 18.4% from 2025 to 2033.

OSFP Optical Module Market: Analyzing 25% CAGR & Key Segments

The OSFP Optical Module market expands due to demand from cloud services, data centers, and AI. Explore 25% CAGR, key segments (400G, 800G), and competitor analysis.

400G Optical Module OSFP with Canadian CIF Price

400G Optical Module OSFP with Canadian CIF Price WillisCreek Networks (WCN) supplies complete FTTH solutions: ODN products, PLC splitters, optical distribution boxes, fiber cross-connect cabinets,

What Drives OSFP Coherent Optical Module Market

The OSFP Coherent Optical Module market expands at a 14.69% CAGR, driven by rising data center and network demands. Access key market

OSFP Optical Module: \$587M by 2025, 25% CAGR Analysis

OSFP Optical Module demand accelerates driven by AI, cloud services, and data center expansion. Market projected at \$587M by 2025 with 25% CAGR. Access detailed insights.

Active Optical Module Market 2025

This market research report provides a comprehensive analysis of the global Active Optical Module market, covering the forecast period 2024-2032. It offers detailed insights into market dynamics,

Cisco Transceiver Modules

Cisco Transceiver Modules - Learn product details such as features and benefits, as well as hardware and software specifications.

OSFP Module Market Research Report 2034

As major cloud providers including Amazon Web Services, Microsoft Azure, Google Cloud, and Meta continue to build or upgrade their data center facilities to support AI model training

Why 1.6T Optical Transceivers Overtake 800G in 2026 AI Clusters?

For a 2025 finance client deploying 12 GB200 NVL72 racks, WECENT configured custom server setups with NVIDIA-compatible 1.6T OSFP 2DR4 transceivers (MMS4A00-Broadcom chip), achieving 18×

800G Closed-Top OSFP AOC with CDR (TX / RX)

Universal Active Optical Cable (AOC) with CDR (TX / RX), 1 - 30 mUse FLEXBOX to configure to almost any vendor Closed-Top OSFP to Closed-Top OSFPAM4

OSFP Optical Module

This report provides a comprehensive view of the global market for OSFP Optical Module, covering total sales volume, sales revenue, pricing, the market share and ranking of key companies, along with

OSFP Module Market Research Report 2033

The OSFP Module market is segmented into Active Optical OSFP Modules, which dominate due to superior performance and reliability, and Passive OSFP Modules, which are favored for cost

Amazon : YTLINK 800G OSFP 2FR4 Optical Transceiver Module ...

Buy YTLINK 800G OSFP 2FR4 Optical Transceiver Module, Compatible with 800GBASE 2 x FR4 OSFP Ethernet Single-Mode Optical modules with Heat Sinks on top, 2 x LC, 2xCWDM4

OSFP Transceivers: High-Density Optical Connectivity from 400G to

As hyperscale data centers shift toward AI-optimized fabrics and ultra-high-bandwidth switching platforms, the OSFP (Octal Small Form-Factor Pluggable) form factor has become central

Pluggable Optical Transceivers Continue to Evolve

As communications applications approach THz frequencies, current 5G and future 6G introduce new RF connectors. System engineers must balance

Uruguay CIF Price Optical Amplifier OSFP

AITAF provides end-to-end optical communication solutions, structured cabling, ODN, optical modules, fiber testing instruments, data center networks, base station energy, smart city communications, and

Ukrainian CIF Price for Active Optical Modules OSFP

The OSFP (Open Systems Form Factor Pluggable) packaged optical module market is experiencing significant growth, driven by the increasing demand for higher bandwidth and faster data

800G OSFP Active Optical Cables | AscentOptics

These modules are designed to operate over multi-mode fiber systems using a nominal wavelength of 850nm. AscentOptics provide high performance, high density and low power 800G OSFP active

Cisco Optics | Transform Your Network

Get the highest quality, performance-leading optical transceivers for any network architecture. Find the transceiver model to fit your network.

Norwegian CIF price for 800G active optical devices

This document provides a list of National Stock Numbers (NSNs), item descriptions, sizes, prices and 10% deposit amounts for various military equipment and supplies.

OSFP Cable Assemblies

Amphenol's octal small-form-factor pluggable (OSFP) cable assemblies are compatible with 25 G/lane channel NRZ up to 112 G/lane

800G Client Optics in the Data Center

Data center interconnect links that had previously relied on separate optical transport systems with integrated coherent transceivers that support DWDM connections can now use QSFP-DD or OSFP,

Norwegian CIF price for 800G active optical devices

These challenges are forcing innovation to happen at all levels, including pluggable modules. But pluggable modules still. Jabil 800Gb/s OSFP DR8/DR8+ (Data Center Reach 8-lane) Optical

Contact Us

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