

Article Overview

QSFP modules for OLTs vary in price depending on type, data rate, and vendor, with CIF pricing influenced by shipping, customs, and volume.

QSFP Types and Applications in OLTs

QSFP (Quad Small Form-Factor Pluggable) modules are hot-pluggable optical transceivers used in high-speed uplinks for Optical Line Terminals (OLTs) in GPON, XGS-PON, and other fiber networks . Common types include:

- o QSFP+: Supports 4x10 Gbps channels, aggregate 40 Gbps, suitable for standard OLT uplinks .
- o QSFP28: 4x25 Gbps channels, 100 Gbps aggregate, widely used in modern data centers and high-capacity OLTs .
- o QSFP56: 4x50 Gbps channels, 200 Gbps aggregate, using PAM4 modulation for higher bandwidth .
- o QSFP-DD: Double-density modules with 8 lanes, supporting 400-800 Gbps, backward compatible with QSFP28, ideal for next-generation OLTs and metro/regional networks . These modules are compatible with OLT uplink ports, such as the DeltaStream 8-Port Combo OLT, which supports 2x40G QSFP+ ports for high-bandwidth connectivity .

Factors Affecting CIF Price

The CIF (Cost, Insurance, and Freight) price of QSFP modules depends on several factors:

- o Module Type and Data Rate: Higher-speed modules like QSFP-DD or QSFP112 cost more than QSFP+ due to advanced silicon photonics and DSP ASICs .
- o Vendor and Brand: Cisco, TE Connectivity, Acacia, and other manufacturers have different pricing based on technology, warranty, and support .
- o Quantity and Volume Discounts: Bulk orders reduce per-unit CIF cost.
- o Shipping and Insurance: CIF includes freight and insurance to the destination port, which varies by distance, carrier, and shipping method.
- o Customs and Import Duties: Local tariffs and taxes affect the final CIF price.

Practical Guidance

- o For standard OLT deployments, QSFP+ or QSFP28 modules are cost-effective and widely available.
- o For high-capacity or future-proof networks, QSFP56 or QSFP-DD modules provide higher bandwidth but at a higher CIF cost.
- o Always request vendor quotations including CIF terms, as prices fluctuate with market demand, silicon shortages, and shipping costs. In summary, while exact CIF prices are not publicly listed, understanding the



CIF Price Optical Line Terminal QSFP

module type, data rate, vendor, and shipping factors allows network planners to estimate costs and select the appropriate QSFP module for OLT deployments .

Quad Small Form-Factor Pluggable Double-Density (QSFP-DD) offers twice as many high-speed electrical interfaces

Amazon.com: StarTech.com Cisco QSFP-40G-LR4-S Compatible QSFP+ Module - 40GBASE-LR4 Fiber Optical SFP Transceiver -

Cisco QSFP-100G-LR4-S= Overview The Cisco QSFP-100G-LR4-S= is a high-performance optical module tailored for enterprise

Learn more about the Cisco QSFP-DD Open Line System (QDD OLS), a pluggable optical

QSFP+ (Quad Small Form-factor Pluggable Plus) optical module: four-channel small hot plugging optical module. The QSFP +

Get Optical Transceiver Modules at Best Price, Cisco and HUAWEI SFP Module, 10G SFP+ Module, 25G SFP Module, 40g QSFP

QSFP Optical Module Market Overview 2026-2033 The QSFP (Quad Small Form-factor Pluggable) optical module

Buy QSFP, QSFP+, SFP, SFP+, XFP, X2, XENPAK, GBIC transceiver modules and DAC, AOC cables with best prices and fast

What Drives QSFP56 Price QSFP56 modules all deliver 200G-class bandwidth, but the bill of materials changes

Confused by QSFP types? Decode the differences between QSFP+, QSFP28 (100G), and QSFP-DD. Learn how to select the right

SFP vs QSFP module differences explained. Learn about compatibility, speeds, and use cases for network setups.

QSFP-DD price guide with 400G/800G module costs, OEM vs third-party comparison, volume discounts, and 3-year

Discover the key factors that drive 400G optical transceiver pricing--from form-factor and component costs to



CIF Price Optical Line Terminal QSFP

market dynamics and

Product overview The Cisco QSFP28 100G ZR module expands the portfolio of digital coherent optics (DCO) modules to connect

The Optical Line Terminal Price is an essential part of our Fiber Optic Equipment offerings. Selecting factory-priced fiber optic

Check QSFP-100G price from the latest Cisco price list 2022.

Web: <https://www.kremgroup.co.za>

