Cost-effective pluggable optical module 40G

Overview

The GIGALIGHT 100G CFP to QSFP28 adapter, 100G CFP2 to QSFP28 adapter, and 40G QSFP+ to 10G SFP+ adapter provide a cost-effective solution for the upgrade of network.

Key Takeaways

40G QSFP+ optical modules are available from multiple vendors, with pricing dependent on type, reach, and connector; quotes can be requested directly from suppliers like FS, FiberMall, DigiKey, and Cisco.

Module Types and Applications40

G pluggable optical modules come in several types, each suited for different distances and fiber types: SR4 (Short Reach): Uses MPO/MTP connectors, suitable for multimode fiber (OM3/OM4), with distances up to 100–150m. Ideal for data center interconnects and switch-to-switch connections. CSR4 (Extended Short Reach): Four-channel module with 12-fiber MTP/MPO interfaces, supporting distances up to 300m over multimode fiber.

LR4 (Long Reach): Uses LC connectors for single-mode fiber, supporting distances up to 10–20km, suitable for inter-data center links.

Bi

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Di (Bidirectional): Supports 40G over duplex multimode fiber, useful for fiber plant reuse and migration scenarios. DAC/AOC (Direct Attach Copper / Active Optical Cable): Short-range, cost-effective solutions for rack-to-rack connections. Pricing and VendorsFS: Offers a full range of 40G QSFP+ modules with distances from 150m to 80km.

Pricing is available upon request, and they provide 30-day free returns.

Fiber

Mall: Supplies SR4, CSR4, LR4, and other 40G QSFP+ modules. Prices vary by type and distance; quotes can be requested online.

Digi

Key: Lists general-purpose 40G QSFP+ modules like the MA-CBL-40G-50CM-HPC, with datasheets and pricing available directly on the product page. Cisco: Offers brand-specific 40G modules for QSFP and QSFP+ ports. Pricing and availability require a quote request, which ensures compatibility with Cisco platforms.

How to Obtain a QuoteSelect the module type based on your fiber type, distance, and connector requirements. Visit the vendor website (FS, FiberMall, DigiKey, Cisco) and locate the specific 40G QSFP+ module. Request a quote via the online form or contact sales directly.

Include quantity, delivery location, and any OEM/ODM requirements. Compare options for warranty, lead time, and shipping. Many vendors offer international express delivery within 3–7 days.

By following these steps, you can obtain an accurate price quote tailored to your network requirements and location.

Article Content

Pluggable Optical Modules – GIGALIGHT

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40G QSFP+ Transceiver Modules | Optical Transceivers

FS 40G QSFP+ optical transceiver module solutions offer a full range of QSFP+ modules from 150m to 80km reach, and used for high-density switching, routing and data center applications.

40G QSFP+ Modules: Specs, Types & Selection Guide

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A 40G QSFP+ (Quad Small Form-factor Pluggable Plus) module is a hot-pluggable optical or electrical transceiver that delivers 40 Gbps aggregate bandwidth using four parallel 10.3125 Gbps lanes.

Cisco 40GBASE QSFP Modules Data Sheet

It allows smooth and cost-effective migration to 40 Gigabit Ethernet by providing an option to use lower-speed SFP or Enhanced Small Form-Factor Pluggable SFP or SFP+ modules in

40G QSFP+ Optical Transceivers Complete Guide | Fibrecross

How 40G QSFP+ optical transceivers boost performance in data centers and telecom networks. Learn about types, use cases, and cost-saving benefits.

The Ultimate Guide to Buying 40G QSFP+ Transceivers

A: Absolutely. 40G QSFP+ offers a crucial balance of performance and cost-effectiveness for many enterprise and data center applications where upgrading the entire infrastructure to

40G QSFP+ TRANSCEIVERS | Smartoptics

QSFP+ is a cost-efficient solution for 40G Ethernet that is popular for breakout to maximize fiber utilization. QSFP+ (Quad Small Form-factor Pluggable Plus) is a compact, hot-pluggable transceiver

40G QSFP+ Optical Transceiver Modules | FiberMall

As a highly integrated 4-channel optical module, 40G QSFP LR4 PSM has a higher port density and is more cost-effective for the entire system''s operation.

40G QSFP+ Transceiver Modules | SR4, LR4, ER4 & Breakout Optics

Shop a wide range of 40G QSFP+ optical modules, including 40GBASE-SR4, LR4, and ER4. Our QSFP+ transceivers support 4x10G breakout mode for high-density 10G deployments.

Hilink Optics QSFP QSFPDD OSFP 10G SFP transceiver, Optical

If you have any questions about Hilink Optics CWDM DWDM QSFP QSFPDD OSFP 10G SFP transceivers,we will give the professional solutions to you.

Hot-Pluggable Optical Modules Market: $15B by 2025, 12% CAGR

The Hot-Pluggable Optical Modules Market is highly dynamic, characterized by continuous innovation and strategic collaborations aimed at enhancing speed, efficiency, and cost-effectiveness.

SFP Optical Transceiver | SFP Optical Module | Perle

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Perle SFP Optical Transceivers are hot-swappable, compact media connectors that provide instant fiber connectivity for your networking gear. They are a cost effective way to connect a single network

Optical Modules Market Research Report 2034

Optical Modules Market Outlook 2025-2034 The global optical modules market was valued at $14.8 billion in 2025 and is projected to reach $39.6 billion by 2034, advancing at a compound annual

Cisco 400G Digital Coherent Optics QSFP-DD Optical Modules

Cisco offers a comprehensive range of pluggable optical modules in the Cisco® pluggables portfolio. The wide variety of modules gives you flexible and cost-effective options for all types of interfaces.

Optical Interconnect Technology Analysis: LPO, NPO, CPO

Exploring optical interconnects for AI data centers: LPO for low-power, short-distance links, NPO for high-density, near-package connections, and CPO for ultra-high-bandwidth co

Optical Transceiver Module Wholesale,10g/25g/40g/100g SFP+ Optical ...

Fiber optic module manufacturer,ETU-Link supply full model optical transceivers,including standard 8g/10g/25g/40g/100g sfp+ optical modules and copper RJ45 transceiver,wholesale at factory price!

Optical Transceivers Market Size Report, 2026-2033

The optical transceivers industry is prioritizing energy-efficient modules as enterprises and telecom operators face rising power and operational costs. Vendors are rapidly innovating low-power DSPs,

Heterogeneous Integration Technology Drives the Evolution of Co

Planar optical waveguides fabricated on glass substrates using ion-exchange technology have significant advantages such as optical compatibility with glass fibers, suitability for mass

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