

Price for 40G Photonics Co-package



Article Overview

The price of a 40G photonics co-packaged solution typically ranges from several hundred to over a thousand USD per module, depending on specifications and supplier.

Pricing Overview

40G co-packaged photonics (CPO) solutions, including QSFP+ optical transceivers and integrated DP-QPSK coherent receivers, are specialized components used in high-speed networking and data center applications . Pricing varies widely based on:

- Module type: Standard QSFP+ transceivers are generally less expensive than fully integrated co-packaged optics with photonic ICs and coherent receivers .
- Reach and performance: Modules supporting longer distances (e.g., 10 km to 80 km) or higher signal fidelity cost more .
- Supplier and region: Prices differ between manufacturers and distributors, and bulk orders may reduce per-unit cost .
- Integration level: Co-packaged solutions with active photonic ICs, thermal management, and hybrid integration are more expensive than passive modules .

Typical Price Range

- Standard 40G QSFP+ transceivers: Approximately \$200-\$600 per unit for short-reach modules .
- Advanced 40G co-packaged optics with integrated photonic ICs: Can range from \$800 to \$1,500 or more per unit, depending on features such as coherent detection...

Article Content

Why Co-Packaged Optics Are a Game Changer | RealIZM

Nevertheless, the most mature technology for such co-packaged solutions is still silicon photonics as an interposer. What is your

Co-Packaged Optics Supply Chain — Interactive Map (2026)

Interactive field guide to the co-packaged optics (CPO) supply chain: InP laser, hybrid bond, silicon photonics chiplet, switch ASIC.

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

Volume packages

We support all major material platforms, such as Silicon Photonics, SiN, InP and PLC, and can even co-package multiple PIC

Silicon Photonics

Silicon photonics has emerged as a powerful technology, poised to revolutionize AI infrastructure by shifting from copper to light

Co-Packaged Optics (CPO) Market 2026

This market research report provides a comprehensive analysis of the Co-Packaged Optics (CPO) Market, covering the forecast

LightCounting :: May 2024 Silicon Photonics, Linear Drive Pluggable

The forecast is segmented by main applications, including Ethernet, WDM, Wireless Fronthaul/Backhaul, Fibre Channel, FTTx,

Co-packaged optics are inching closer to Co-pack

Silicon photonics is now a well-established technology and market for optical transceivers. In 2021, more than 9 million silicon

400G Silicon Photonics Integrated Circuit Transceiver Chipsets for

Abstract: 400G-FR4 silicon photonics transmit-receive chipsets, compatible with co-packaged-optics, on-board-optics, and pluggable

Contact Us

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