

Companies that benefit most from CPO optical modules



AI Overview

Key leaders in the CPO optical module sector include Lumentum, Coherent, Marvell, Fabrinet, AAOI, Broadcom, Cisco, and top Chinese players such as Innolight, Eoptolink, and Huawei.

US Market Leaders

- Lumentum:** Dominates the EML chip segment, providing critical optical engines for CPO modules, with strong vertical integration and high-performance solutions for AI and hyperscale data centers.
- Coherent:** Offers vertically integrated photonics platforms, combining multiple optical technologies to support high-speed interconnects and large-scale deployments.
- Marvell:** Integrates AI chips with optical interconnects, enabling efficient CPO solutions for next-generation data centers.
- Fabrinet:** A pure contract manufacturer specializing in optical modules, supporting large-scale production for CPO deployments.
- AAOI (Applied Optoelectronics):** Represents the LPO route but also contributes to CPO development, particularly in high-speed optical interconnects.
- Broadcom and Cisco:** Continue to expand their CPO portfolios, leveraging silicon photonics and strategic partnerships to meet growing data center bandwidth demands.

Chinese Market Leaders

- Innolight Technology:** Tops the leaderboard in datacom revenue and high-speed module shipments, particularly 400G+ and 800GbE modules, and is a major supplier for hyperscale AI data centers.
- Eoptolink:** Supplies high-speed optical modules and packaging substrates, supporting miniaturization and high-density CPO development.
- Huawei (HiSilicon):** Develops coherent DWDM modules and invests heavily in local supply chains for optical and electronic components, maintaining competitiveness despite US export restrictions.
- Yuanjie Technology, Zhongji Xuchuang, Mingyang Circuit, Shijia Photon:** These companies are achieving breakthroughs in optical chip mass production, 800G/1.6T module shipm...

Article Content

NVIDIA Doubles Down on Photonics: CPO Emerges as the Next

Huang has framed energy as the key resource, and CPO's core value is reducing the energy cost of moving data by replacing electricity with light. In this race, U.S. companies largely set

CPO and ELSFP

The companies that stand to benefit the most are packaging experts like TSMC and perhaps OSATs like Celestica, Sanmina, and Fabrinet. CPO

Co-packaged Optical (CPO) Modules Market Trends and Insights

Explore the rapidly expanding Co-packaged Optical (CPO) Modules market, driven by 5G, cloud computing, and AI data center demands. Discover market size, CAGR, key drivers, restraints,

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

Top Silicon Photonics Stocks 2026: Breaking the Copper Wall

The industry knows it. The true endgame is called Co-Packaged Optics (CPO). Instead of plugging a separate optical module into the front of a switch, CPO puts the photonics directly onto

Co Packaged Optics (CPO) – Scaling with Light for the Next Wave of ...

This article will present an in-depth discussion on the benefits and challenges of CPO, how CPO architectures work, current and future CPO products, CPO focused companies, CPO-related

Co-Packaged Optics (CPO) Market 2026

Ciena and Juniper Networks focus on carrier-grade transport, deploying CPO modules in 5G and metro-edge networks. European players such as ADVA Optical Networking and Fujitsu deliver

Investor Presentation

This presentation contains non-GAAP financial measures and key metrics relating to the Company's past performance. We believe the presentation of these non-GAAP financial measures enhances

Why Is AAOI Falling? A Comprehensive Analysis of the Factors

Indium phosphide is a core material for high-speed optical modules, and the industry faces a supply-demand gap of over 70%. AAOI benefits from long-term in-house development and

Co-Packaged Optics (CPOs)

From Jensen Huang showcasing CPO switches at GTC 2025 to a wide range of vendors demonstrating optical engines integrated inside ASIC packages at OFC 2025, co-packaged optics

Co-Packaged Optics Module (CPO) Trends and Forecasts:

Broadcom, Intel, Cisco, and Marvell are currently leading the charge, holding a substantial market share due to their established presence in related technologies and significant R&D

Co-Packaged Optics: Market and Technology Update

This report dives deeper into CPO for insight on the technology and applications, the benefits and issues, its impact on pluggable optics, and Signal AI's predictions for CPO's future.

NVIDIA Strategic Investments in Optical Interconnects

Executive Summary Following newly announced investments, NVIDIA has committed over \$4 billion in direct strategic investments across two optical

Lightmatter®

Lightmatter has joined the NVIDIA NVLink Fusion ecosystem, bringing our photonic interconnects to the AI infrastructure powering the world's most advanced models. Discover how our Co-Packaged Optics

Deep Dive: Optical Module Market

Powering next-gen connectivity: How optical modules enable fast, reliable data transfer, and What are the opportunities for investors?

The Rise of Co-Packaged Optics

In this scenario, Co-Packaged Optics (CPO) is now gaining momentum, emerging mainly as an alternative to the pluggable optical modules traditionally employed in networking switches

Nvidia Invests \$4 Billion in CPO: The Next Stop for AI Factory ...

Industry Resonance: The Tipping Point for CPO Commercialization Nears Nvidia's investment not only benefits existing optical module leaders but also points the way for future technological evolution.

CPO, Three Letters That Could Disrupt The Optical Networking Space

The transition to CPOs will force optical component makers to adapt their strategies, potentially focusing on high-volume, low-margin manufacturing or finding ways to add value through

OSFP Optical Module Market: Key Growth Drivers Analyzed

The OSFP Packaged Optical Module market is projected to reach \$5.2 billion by 2025 with a 22% CAGR, driven by data center and cloud computing demands. Access strategic market data.

Which Companies Are Leading CPO Stocks? The Landscape of US

CPO concept stocks refer to listed companies positioned along the co-packaged optics technology supply chain, covering upstream optical chips (like Lumentum), midstream optical

In-Depth Review of the CPO Delay Controversy: Why a Single

On June 9, 2026, a client-only report from SemiAnalysis claiming that the large-scale commercialization of CPO (Co-Packaged Optics) would be delayed triggered a sharp, single-day

Co-packaged Optics Companies

Explore list of the top Co-packaged Optics companies based on extensive research conducted by Mordor Intelligence analysts and expert advisors. These brands include leaders and major players in

Why NVIDIA Sees Co-Packaged Optics as the Future of AI Networking

Co-Packaged Optics represents one of the most consequential infrastructure transitions occurring within the AI industry. By integrating optical engines directly with networking silicon, CPO

The Global Co-Packaged Optics Market 2027-2037

The Global Co-Packaged Optics Market 2027-2037 - Co-packaged optics (CPO) represents the most fundamental rethinking of optical interconnect in decades, moving the optical

Co-Packaged Optics (CPO) Ignited by NVIDIA: A Comprehensive

And among the companies benefiting from this CPO revolution, several Japanese companies are listed. This time, we will organize everything from a review of the basics of "what is

Optical Component Startup Tracker

The number of venture-backed optical component startups has exploded - the Optical Component Start-Up Tracker identifies these companies

CPO Technology Nvidia: Death of Optical Modules and

Finished optical module makers have been cut out. Their role as “box assemblers” is no longer required. The most cynical part: the companies whose

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://lwazipm.co.za>

Email: info@lwazipm.co.za

Phone: +27 82 415 6392

Address: 15 Oxford Street, Rosebank, Johannesburg, 2196, South Africa

This document is for informational purposes only. Specifications subject to change without notice.

