

# Latest news in the co-packaged optics sector



## Overview

These pressures are driving renewed momentum behind co-packaged optics (CPO). According to LightCounting, sales of lasers and photonic integrated circuits for optical transceivers are expected to grow from \$2.9B by 2029, fueled largely by AI data centers. For years, data-center performance scaled by following a familiar playbook: faster GPUs, higher SerDes rates, and increasingly aggressive board designs. That playbook is no longer holding for today's AI systems. As AI clusters push beyond 100 Tb/s per node, the gap between what silicon can generate. The strategic investment in optical component suppliers Lumentum and Coherent heralds a new era of optical interconnects inside AI data centers. This podcast explores the auto industry's transition to 48V power architectures, zonal E/E architecture, and software-defined vehicles. Advanced. Co-packaged optics (CPO) technology, a key enabler for next-generation data center architectures, promises unprecedented bandwidth density and power efficiency by tightly integrating optical engines with switch silicon. But after nearly a decade of existence, where does this next-generation optical. Dublin, April 03, 2025 (GLOBE NEWSWIRE) -- The "Co-Packaged Optics Market by Product Type (Optical Engines, Optical Modules, Optical Transceivers), Form Factor (Embedded Modules, Onboard Optics, Pluggable Modules), Application, End-User - Global Forecast 2025-2030" report has been added to. The silicon photonics industry is entering a period of rapid growth and diversification, according to Yole Group's new report, Silicon Photonics 2025 - Focus on SOI, SiN, LNOI & InP Platforms.

## Article Content

Co-Packaged Optics — a deep dive | APNIC Blog

One primary motivation for co-packaged optics is improving power efficiency. Both Broadcom and NVIDIA report dramatic power-per-bit savings

Five Key Trends of Co-Packaged Optics (CPO) in 2026

These pressures are driving renewed momentum behind co-packaged optics (CPO). According to LightCounting, sales of lasers and photonic integrated

Coherent shows 6.4T CPO, 400G lanes at OFC 2026

Coherent (NYSE: COHR) will demonstrate multiple co-packaged optics (CPO) technologies at OFC 2026 in Los Angeles on March 17, 2026.

Co-Packaged Optics: Inevitable but Not Imminent

The report reviews CPO technology and applications, the relative benefits and issues, its impact on pluggable optics, and Cignal AI's expectations

Global Co-Packaged Optics Market Size, Share,

Global Co-Packaged Optics Market is expected to grow from \$ 15 mn in 2022 to \$ 2840 mn by 2032, at a CAGR of 68.9% during the forecast period 2032.

Global Co-Packaged Optics (CPO) Technology Market Research

The global market for Co-Packaged Optics (CPO) Technology was valued at US\$ 44.6 million in the year 2024 and is projected to reach a revised size of US\$ 960 million by 2031, growing

Where co-packaged optics (CPO) technology stands in

Co-packaged optics (CPO) technology, a key enabler for next-generation data center architectures, promises unprecedented bandwidth density

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Semtech buys HieFo in \$34M AI data center chip deal | SMTC Stock News

Co-packaged optics (CPO) are a way of placing optical transmitters and receivers directly next to or on the same chip package as a high-speed switch or processor, rather than keeping them

Co-packaged optics (CPO): status, challenges, and

Conventional pluggable optics cannot catch up with the fast-growing bandwidth density and energy efficiency requirements. Co-packaged optics

Co-Packaged Optics Market Hits \$2.4B by 2035; North America Leads

This blog takes a close look at the latest market study on co-packaged optics (CPO). We'll break down the growth path, leading players, technology trends, regional demand, and the strategic

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Co-packaged Optics Market 2026-2034 Analysis:

To stay informed about further developments, trends, and reports in the Co-packaged Optics Market, consider subscribing to industry newsletters, following

Co-Packaged Optics Market Report 2026-2036: NVIDIA vs. Broadcom ...

The global Co-Packaged Optics (CPO) market is set for transformative growth, driven by the burgeoning demands of AI, large language models, and generative AI.

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Ayar Labs secures \$500m funding to scale co-packaged

Ayar Labs plans global expansion and increased production of co-packaged optics following a major investment round.

Co-Packaged Optics: Inevitable but Not Imminent

BOSTON (February 27, 2025) - Co-Packaged Optics (CPO) is slowly moving to real deployment, catalyzed by the explosion in AI bandwidth and connectivity

Co-Packaged Optics: Today's Biggest Packaging Push

To learn more about current developments in co-packaged optics (CPO), I spoke with ASE's Senior Technical Advisor, Bill Chen, and VP of

Why China's optical communications sector is the latest AI boom ...

Meanwhile, the companies have also expanded to a next-generation technology known as co-packaged optics (CPO), which places optical devices inside the same chip package as

LightCounting :: Highlights from the 1st virtual conference on Co ...

LightCounting shared the latest forecast for CPO, shown in Figure 2, to get the event started. The level of development activity on CPO is at an all time high now with high volume deployments likely in 2027.

Co Packaged Optic Market Size, Share | Report | 2035

Key Market Trends & Highlights The Co-Packaged Optic Market is poised for substantial growth driven by technological advancements and

Co-Packaged Optics: powering the next wave of AI infrastructures

Get the news on Co-Packaged Optics powering the next wave of AI. Explore photonics packaging trends and join our live with Lam Research.

Co-Packaged Optics (CPO) 2025-2035: Technologies,

IDTechEx's "Co-Packaged Optics (CPO) 2025-2035" explores technical innovations and packaging trends, analyzing the value chain. It evaluates industry players

Ciena (CIEN) Stock News & Updates | StockTitan

Ciena (CIEN) news covers optical networking systems, WaveLogic platforms, AI data-center connectivity, customer deployments, earnings and acquisitions. Latest CIEN news, May 2026.

Co-Packaged Optics News and Analysis

Read the latest insights from EE Times regarding Co-Packaged Optics. Visit to learn more.

Global Markets for Co-Packaged Optics 2022-2030: Sector ...

The sales of specialized co-packaged optical components will exceed \$1.3 billion in revenues in 2025 and grow to \$2.7 billion by 2028. The latest CPO report analyzes both component

Co-Packaged Optics Market Research Report 2033

As organizations seek to accommodate soaring data traffic and support bandwidth-intensive applications, the adoption of 400G co-packaged optics is accelerating, enabling operators to achieve

Silicon Photonics and Co-Packaged Optics at the Heart

Yole Group unveils its latest photonic market and technology analyses, Silicon Photonics 2025 and Co-Packaged Optics for Data Centers 2025, which

Co-Packaged Optics Market Report 2025-2030

It is expected to continue growing at a CAGR of 13.74%, reaching USD 4.67 billion by 2030. The market for Co-Packaged Optics is undergoing

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