List of CPO optical module manufacturers



Overview

Co-Packaged Optics (CPO) Supply Chain — Interactive Map · 2026Interactive field guide to the co-packaged optics (CPO) supply chain: InP laser, hybrid bond.

Key Takeaways

Leading manufacturers of Co-Packaged Optics (CPO) modules include Corning, ASMPT, Focuslight, and several specialized companies driving high-bandwidth, energy-efficient optical solutions.

Overview of CP

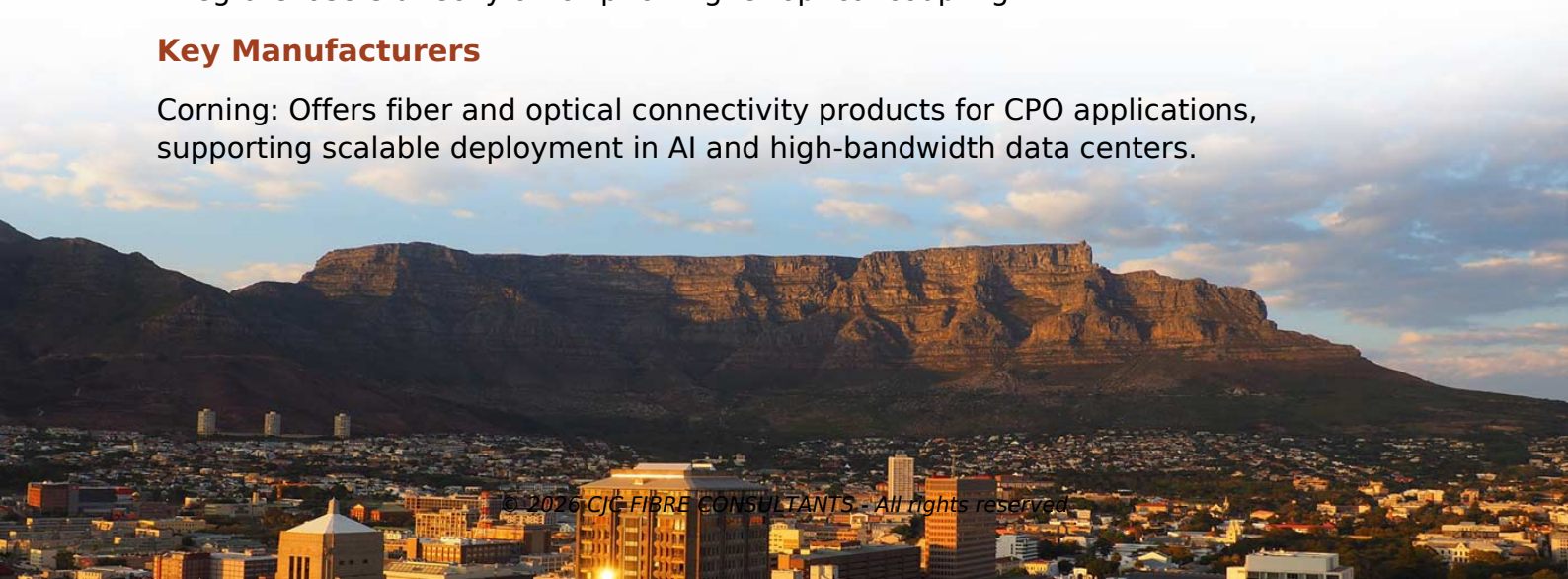
O TechnologyCo-Packaged Optics (CPO) integrates optical components such as lasers and photodetectors directly with electronic components like ASICs within the same package. This reduces the distance between optics and electronics, improving bandwidth, signal integrity, and power efficiency for next-generation data centers and high-performance computing systems.

CP

O modules eliminate lossy copper traces, reduce the need for multiple DSPs, and can integrate lasers directly on-chip for higher optical coupling.

Key Manufacturers

Corning: Offers fiber and optical connectivity products for CPO applications, supporting scalable deployment in AI and high-bandwidth data centers.



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ASMP

T: Provides CPO solutions that optimize the integration of electronics and photonics, enabling high-speed, energy-efficient optical packages. Focuslight: Specializes in micro-optics and micro-lens arrays for CPO, ensuring precise beam shaping, efficient fiber coupling, and tight alignment tolerances for dense optical interconnects. Other Market Leaders: According to market research, additional top companies in the CPO space include Broadcom, Intel, Cisco, and II-VI Incorporated, which are actively developing or supplying CPO modules for data center and cloud infrastructure applications.

Market Trends

The global CPO module market is projected to grow rapidly, with a CAGR of 47. 9% and an estimated market size of USD 1. 214 billion by 2031.

This growth is driven by the increasing demand for high-bandwidth, low-power optical interconnects in AI, machine learning, and cloud computing environments.

Considerations for Selecting Manufacturers

When evaluating CPO module suppliers, consider: Integration capabilities: On-chip laser integration vs. external laser coupling. Power efficiency: Reduction of DSPs and elimination of lossy copper traces. Scalability: Ability to support high-density data center deployments.

Optical performance: Precision micro-optics for alignment and coupling efficiency. These factors are critical for achieving optimal performance, energy savings, and scalability in modern data center architectures.

Article Content

Co-Packaged Optics (CPO) 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. Layers, chokepoints, vendors.

Co-packaged Optics Companies

List of the top Co-packaged Optics companies based on extensive research conducted by Mordor Intelligence analysts and expert advisors that identified these brands to be the leaders and major

Top 10 Optical Module Manufacturers'' Annual Reports ...

The following is a list of 10 core companies with the highest projected annual report growth. All data is from publicly available annual report forecasts and does not constitute any

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Global Co-Packaged Optics Module (CPO) Market 2025 by Company,

Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

10 companies in the optical transceiver industry chain 2024

To help you choose the best partner, this article will analyze and introduce 10 companies in the optical transceiver industry chain for you.

Global Co-packaged Optical (CPO) Modules Market 2024 by

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Top 10 Optical Module Brand & Manufacturers

Find the Top 10 Optical Module brand,manufacturers,and exporters. Get the contact details and addresses of companies producing Keywords.

Top CPO and Silicon Photonics Companies for AI Data Centers

A practical map of companies and technologies tied to co-packaged optics, silicon photonics, and future AI data center interconnect.

The latest ranking of the TOP10 global optical module suppliers ...

A few days ago, LightCounting, a well-known market research organization in the optical communication industry, released the latest market report and updated the TOP10 ranking of global

Standing in the Light: A Comprehensive Guide to the Optical Module

"Standing in the Light: Understanding the Optical Module and CPO Industry Chain" This article analyzes the critical role of optical communication technology, specifically optical modules and

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

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

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Broadcom launches third generation CPO

Broadcom Inc. has announced significant advancements in its CPO technology with the launch of its third-generation 200G/lane product line. In addition, the company has demonstrated the

Optical Module PCB Board Market: Drivers & 6.6% CAGR Impact?

The Optical Module PCB Board market is projected for 6.6% CAGR growth by 2025, driven by evolving tech applications. Access specific market values and company insights.

Global Optical Transceiver Market Strategic Audit 2026

The physics of AI data centers have fundamentally broken the traditional DSP-based optical module paradigm. Scale-up and Scale-out architectures (Scale-Across) demand high

Optical Module PCB Board Market: $89.4B by 2034, 6.6% CAGR

The Optical Module PCB Board market is projected to reach $89.4B by 2034, growing at a 6.6% CAGR due to rising data demand. Analyze key applications & types.

Optical Component Startup Tracker

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

OSFP Optical Module Growth: What Drives 25% CAGR to 2034?

The OSFP Optical Module market expands rapidly. Analyze key applications like Cloud Services & AI driving a 25% CAGR. Get data on market size, companies, and future trends.

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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