

Price List for New Co-packaged Photonics for Data Center Interconnects



Overview

IDTechEx's report titled "Co-Packaged Optics (CPO) 2026 to 2036: Technologies, Market, and Forecasts" examines this transition in detail. Supports 32 to 64 Tbps of aggregate bandwidth through co-packaged optics, using 112G PAM4 signaling to enable dense and fast interconnects. Accelerate your optics integration roadmap. It reviews recent advances in CPO technology, tracks emerging packaging approaches, assesses the strategies of leading companies, and provides long term market. SCALE CPO solution is the industry's first OCI MSA capable platform and built with GF's proven silicon photonics technology MALTA, N., May 4, 2026 - GlobalFoundries (Nasdaq: GFS) (GF) today announced the introduction of its SCALE™ optical module solution for co-packaged optics (CPO). GF's SCALE. Co-Packaged Optics (CPO) is an advanced optical interconnect architecture that integrates optical components—such as photonic integrated circuits (PICs) and lasers—directly alongside switching ASICs or processors within the same package. This approach significantly reduces electrical I/O distance. Yole Group unveils its latest photonic market and technology analyses, Silicon Photonics 2025 and Co-Packaged Optics for Data Centers 2025, which explore how AI-driven demand is reshaping connectivity, from transceivers to packaging innovation. Replacing pluggable transceivers with silicon photonics on the same package as the ASIC, NVIDIA CPO innovations provide 5x better power.

Article Content

Feb 19, 2026

Silicon photonics and co-packaged optics at the heart of next ...

Yole Group unveils its latest photonic market and technology analyses, Silicon Photonics 2025 and Co-Packaged Optics for Data Centers 2025, which explore how AI-driven demand is ...

Jul 10, 2026

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Discover how this revolutionary photonic interconnect technology is changing the game for Artificial Intelligence (AI) infrastructure by enabling massive scale-up bandwidth and radix, connecting GPUs, ...

Apr 12, 2026

Silicon photonics And Co-Packaged Optics At The Heart Of Next ...

In addition to the silicon photonics market report, Co-Packaged Optics for Data Centers 2025 examines how packaging innovation is transforming next-generation connectivity.

Jun 10, 2026

Co-Packaged Optics (CPO)Co-Packaged Optics (CPO)

The report is based on extensive research and interviews with industry experts and provides valuable insights for anyone interested in gaining a strategic understanding of Co-Packaged Optics' role in ...

Dec 04, 2025

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 circuits for optical transceivers ...

Jul 24, 2026

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

We will start with Nvidia and Broadcom's solutions before discussing major CPO companies. We cover Ayar Labs, Nubis, Celestial AI, Lightmatter, Xscape Photonics, Ranovus and ...

Aug 27, 2025

Co-Packaged Optics (CPO) Market Trends 2026: AI Data Center ...

Explore the future of co-packaged optics (CPO) in AI data centers. Learn how silicon photonics, optical I/O, and high-speed optical interconnect technologies are shaping next-generation ...

Dec 13, 2025

GlobalFoundries accelerates adoption of co-packaged optics for ...

“With over a decade of innovation and manufacturing expertise in silicon photonics technology at our disposal, GF stands ready to unlock the future of high-bandwidth, energy-efficient ...

Sep 19, 2025

Industry insight: photonics to scale AI data centers

By analyzing their integration at the package, rack, and network levels, we highlight how photonics can overcome the limitations of traditional electronic solutions, paving the way for the next...

Nov 19, 2025

Silicon Photonics Networking for Agentic AI | NVIDIA

Explore why co-packaged silicon photonics can accelerate large-scale AI model development and inference with benefits like lower power consumption, reduced latency, and network resiliency over ...

Contact Us

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