Gulf Region Direct Sales of Co-packaged Photonics OSFP

Article Overview

Co-packaged photonics OSFP modules are experiencing rapid global adoption, with key suppliers like Broadcom, Cisco, Intel, and NVIDIA actively serving hyperscale and enterprise data centers, including potential direct sales opportunities in the Gulf region.

Market Overview

Co-packaged optics (CPO) and OSFP modules are designed for high-speed data transmission, supporting 800G, 1.6T, and beyond, and are increasingly critical for hyperscale cloud, AI/ML clusters, and telecom networks . The global CPO market is projected to grow from USD 164.76 million in 2026 to USD 764.32 million by 2031, at a CAGR of 35.92% . OSFP packaged optical modules are valued for high density, energy efficiency, and compact size, making them suitable for modern data centers .

Key Suppliers and Direct Sales Channels

Major global suppliers include Broadcom, Cisco, Intel, NVIDIA, Arista, DustPhotonics, and Coherent Corp. . These companies often provide direct sales to enterprise and hyperscale data centers, bypassing traditional distribution channels. In the Gulf region, direct procurement is feasible through:

o Regional offices or authorized representatives of global vendors (e.g., Cisco Middle East, Broadcom distributors in UAE and Saudi Arabia).
o Enterprise and telecom partnerships, where vendors engage directly with large-scale operators for multi-year purchase commitments .
o Open hardware initiatives, such as the Open Compute Project, which encourage multi-source procurement and reduce vendor lock-in risks .

Regional Adoption Trends

While specific Gulf market figures are limited, the region is witnessing rapid expansion of hyperscale data centers, AI/ML infrastructure, and telecom upgrades, driving demand for high-bandwidth, energy-efficient optical interconnects . Co-packaged optics adoption is particularly relevant for:

o AI/Cloud hyperscale data centers in UAE and Saudi Arabia.
o Telecom operators upgrading to 800G and 1.6T interconnects.
o Enterprise campuses seeking energy-efficient, high-density networking solutions.

Strategic Considerations

o Energy efficiency and thermal management are critical, as CPO reduces per-port power by 30-40% at high speeds .
o Vendor selection should consider multi-source strategies to mitigate supply chain risks.
o Early engagement with suppliers can secure pre-allocated foundry capacity for high-demand modules .

Conclusion

Direct sales of co-packaged photonics OSFP modules in the Gulf region are primarily facilitated by global vendors with regional presence, targeting hyperscale, enterprise, and telecom deployments. The market is poised for strong growth, driven by AI/ML workloads, high-speed interconnect requirements, and energy efficiency mandates, making early engagement with suppliers a strategic advantage for Gulf-based operators .

Broadcom"s co-packaged optics (CPO) technology is based on highly integrated Silicon Photonics and is purpose

Recently, Broadcom officially launched its third-generation silicon photonics co-packaged optics (CPO) technology,

Co-packaged Optics Market 2026-2034 Analysis: Trends, Competitor Dynamics, and Growth Opportunities Co-packaged Optics

The winners will be the companies that can support customers across that full transition,

We demonstrate 1.6Tbps Silicon Photonic Integrated Circuit (SiPIC) meeting co-packaged optics requirements for

Eric has contributed to more than 250 marketing/technological analyses and 80 reports,helping move the MEMS and Si photonics

Co-packaged optics market to grow from USD 161.43M in 2026 to USD 748.62M by 2031, driven by AI/ML bandwidth,

The CPO technology will rely heavily on silicon photonics. With highly integrated optics and silicon chips, new engineering

IntroductionThe rapid growth of cloud computing and data-intensive applications has driven the need for ever

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EE World discussed trends and tradeoffs in co-packaged optics and silicon photonics

WW W.SILICONSEMICONDUCTOR.NET CO-PACK AGED OP TIC S & SiP Co-packaged optics for hyperscale data

The global OSFP Coherent Optical Module market is strategically segmented by company, region (country), by Type, and by

However, rapid advances in silicon photonics and a new generation of co-packaged optics

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

Co-packaged optics (CPO) is a disruptive approach to increasing the interconnecting bandwidth density and energy

Co-Packaged Optics represents the next architectural inflection point. Rather than plugging optical modules into switch front panels,

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