

Article Overview

Direct sales of co-packaged OSFP optical modules in Australia are feasible through global suppliers and distributors, with key manufacturers including Broadcom, Cisco, Arista, InnoLight, and ETU-Link.

Overview of OSFP and Co-Packaged Optics

OSFP (Octal Small Form-factor Pluggable) modules are high-speed optical transceivers supporting data rates from 200G up to 1.6Tb/s, designed for data centers, cloud computing, and large-scale networks due to their compact size, high density, and energy efficiency. Co-Packaged Optics (CPO) integrates optical modules directly onto the switch ASIC substrate, reducing electrical reach and improving signal integrity, which is increasingly adopted in high-performance data centers. Advanced CPO solutions, including 3D monolithic integration, embed photonic components within electronic process nodes to maximize bandwidth and energy efficiency.

Key Manufacturers and Suppliers

Global leaders in OSFP and co-packaged optical modules include:

- o Broadcom - Offers high-speed OSFP modules for data center interconnects.
- o Cisco - Provides OSFP modules with coherent optical technology for long-haul and high-bandwidth applications.
- o Arista Communications - Supplies OSFP modules optimized for cloud and large-scale networks.
- o InnoLight Technology - Focuses on cost-effective, high-performance OSFP solutions.
- o ETU-Link Technology - Offers a range of OSFP modules suitable for 400G and 800G deployments. These companies often work with regional distributors or can ship directly to Australia, depending on corporate sales policies.

Market Trends and Considerations

- o The OSFP market is projected to grow at a CAGR of 22%, reaching \$5.2 billion by 2025, driven by the transition from 100G to 200G, 400G, and 800G modules.
- o Co-packaged optics adoption is expected to exceed \$1.2 billion by 2035, with a CAGR of 28.9%, largely due to AI system interconnects and high-bandwidth data center requirements.
- o Australian buyers should consider import regulations, tariffs, and local distributor availability, as direct procurement may involve international shipping and compliance with optical module standards.

How to Procure in Australia

- o Contact global manufacturers directly via their corporate sales channels to inquire about shipping OSFP or CPO modules to Australia.
- o Engage authorized distributors in the Asia-Pacific region, such as Avnet, Future Electronics, or local optical networking resellers.
- o Request technical specifications to ensure compatibility with existing data center infrastructure, including power, thermal, and interface requirements.
- o Consider co-packaged optics integration services if deploying 3D monolithic or advanced CPO solutions, as these may require specialized assembly and testing . By leveraging these channels, Australian companies can access high-performance OSFP and co-packaged optical modules for data center and network applications while staying aligned with global technology trends.

The journey toward Co-Packaged Optics (CPO) began with the widespread adoption of pluggable optical transceivers for lower

Andrew Kim from Luxshare will peer into the world of development of ultra-high-speed channels using co-packaged

This article explains the basic concepts of optical communication, the evolution of Silicon Photonics, how the industry

The OSFP Packaged Optical Module Market is highly competitive, characterized by both established

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

Co-packaged optics (CPO) represents a paradigm shift in optical interconnect architecture, integrating photonic components directly

This report profiles key players in the global OSFP Packaged Optical Module market based on the following parameters - company

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

Explore the emerging technology of Co-Packaged Optics (CPOs) and how OIF's framework is enabling high-speed,

Today's CPO industrials have formed around the merchant silicon and switch equipment vendors, which have acquired or partnered



Direct Sales from Australia for Co-packaged Optical OSFP

This report provides a comprehensive view of the global market for OSFP Packaged Optical Module, covering total

Co-packaged optics (CPO) represents a transformative approach in optical networking, where optical and electronic

As communications applications approach THz frequencies, current 5G and future 6G introduce new RF

This section will explore the evolution of the market from copper to co-packaged copper and from digital signal

CPO switches are shipping in 2026. Learn how co-packaged optics work, which platforms

The report is based on extensive research and interviews with industry experts and provides valuable insights for anyone interested

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