

# Global ELSFP Module for CPO Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global ELSFP Module for CPO market size is expected to reach \$ 3152 million by 2032, rising at a market growth of 92.8% CAGR during the forecast period (2026-2032).

The ELSFP Module for CPO is a standardized external laser source module designed in compliance with the OIF-ELSFP specification. As a dedicated supporting light source component for co-packaged optics (CPO) systems, it strictly conforms to the ELSFP-specific technical specifications formulated by the Optical Internetworking Forum (OIF), adopts an SFP-like pluggable package, and features high standardization and versatility. Centered on stable continuous laser output, this module adopts an SFP-like pluggable structure and is only designed to provide pure and continuous laser signals without data transceiving, signal modulation or information transmission functions. It only serves as a dedicated external light source to deliver stable laser support for silicon photonic engines in CPO systems. By physically separating the laser source from switching chips and application-specific integrated circuits, it completely eliminates thermal interference caused by built-in light sources, significantly optimizes the thermal management efficiency of co-packaged optics systems, supports independent disassembly, maintenance and replacement of laser modules without dismantling the entire CPO equipment, and greatly improves system maintainability and component replacement flexibility. Built with highly stable distributed feedback lasers, optical isolators, thermoelectric cooling temperature control units and power monitoring circuits, the module can precisely control laser power and wavelength stability, providing continuous and reliable standardized laser input for silicon photonic engines of co-packaged optics equipment of various specifications such as 51.2T and 102.4T. It is a core supporting light source component for CPO systems to achieve high-bandwidth and high-reliability optical interconnection, as well as a key supporting part ensuring the stable operation of CPO equipment. In 2025, the price of global ELSFP Module for CPO

varies with different specifications, ranging from 300 to 1,000 USD per unit, and the average gross margin of the industry is approximately 37%.

The ELSFP Module for CPO will achieve rapid development alongside the large-scale deployment of co-packaged optics technology. Industry technical standards will continue to improve, and product compatibility and versatility will be steadily enhanced. Module performance will be upgraded toward higher laser output stability, lower power consumption and better temperature control capability. Multi-channel integration and wavelength division multiplexing integrated design will become the mainstream trend, further meeting the stringent light source requirements of high-end computing equipment. Application scenarios will gradually expand from supercomputing centers and large cloud data centers to telecom core networks and other fields, while the hot-pluggable and maintenance-friendly structural design will be continuously optimized. The upstream and downstream industrial chains will jointly promote the upgrading of core devices and packaging processes. Products will gradually move from pilot applications to mass commercialization, becoming core supporting components for next-generation high-bandwidth optoelectronic convergence systems.

This report studies the global ELSFP Module for CPO production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for ELSFP Module for CPO and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of ELSFP Module for CPO that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global ELSFP Module for CPO total production and demand, 2021-2032, (K Units)

Global ELSFP Module for CPO total production value, 2021-2032, (USD Million)

Global ELSFP Module for CPO production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global ELSFP Module for CPO consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: ELSFP Module for CPO domestic production, consumption, key domestic manufacturers and share

Global ELSFP Module for CPO production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global ELSFP Module for CPO production by Type, production, value, CAGR,

2021-2032, (USD Million) & (K Units)

Global ELSFP Module for CPO production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global ELSFP Module for CPO market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Lumentum, Coherent, Broadcom Inc., O-Net Technologies (Shenzhen) Group Co., Ltd., Accelink Technologies Co., Ltd., Wuhan Huagong Genuine Optics Technology Co., Ltd., FIT Hon Teng Limited, Furukawa Electric, OE Solutions, Universal Scientific Industrial (Shanghai) Co., Ltd., etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World ELSFP Module for CPO market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global ELSFP Module for CPO Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global ELSFP Module for CPO Market, Segmentation by Type:

51.2T CPO ELSFP External Laser Source Module

102.4T CPO ELSFP External Laser Source Module

Other

Global ELSFP Module for CPO Market, Segmentation by Channel Count:

4-channel

8-channel

16-channel

Global ELSFP Module for CPO Market, Segmentation by Wavelength Multiplexing Mode:

Single-wavelength ELSFP

DWDM ELSFP

CWDM ELSFP

Global ELSFP Module for CPO Market, Segmentation by Application:

Supercomputing Center

Data Center

Telecom Core Network

Other

#### Companies Profiled:

Lumentum

Coherent

Broadcom Inc.

O-Net Technologies (Shenzhen) Group Co., Ltd.

Accelink Technologies Co., Ltd.

Wuhan Huagong Genuine Optics Technology Co., Ltd.

FIT Hon Teng Limited

Furukawa Electric

OE Solutions

Universal Scientific Industrial (Shanghai) Co., Ltd.

Shenzhen Photonics Valley Technologies

#### **Key Questions Answered:**

1. How big is the global ELSFP Module for CPO market?
2. What is the demand of the global ELSFP Module for CPO market?
3. What is the year over year growth of the global ELSFP Module for CPO market?
4. What is the production and production value of the global ELSFP Module for CPO market?
5. Who are the key producers in the global ELSFP Module for CPO market?
6. What are the growth factors driving the market demand?

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