

Global 100G PSM4 Optical Module Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global 100G PSM4 Optical Module market size was valued at US\$ 1587 million in 2024 and is forecast to a readjusted size of USD 2828 million by 2031 with a CAGR of 9.2% during review period.

100G PSM4 optical module is a high-speed optical transceiver module based on parallel single-mode fiber transmission technology, used to achieve 100Gbps-level data transmission. This module usually adopts a 4-channel design (25Gbps per channel) and is mainly used in data center interconnection, enterprise-level networks and high-performance computing platforms to achieve short-distance (generally within 300 meters) high-speed communication.

This report is a detailed and comprehensive analysis for global 100G PSM4 Optical Module market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. 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.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Key Features:

Global 100G PSM4 Optical Module market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global 100G PSM4 Optical Module market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global 100G PSM4 Optical Module market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global 100G PSM4 Optical Module market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for 100G PSM4 Optical Module
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global 100G PSM4 Optical Module market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Mellanox, Cisco, Arista, Intel, Complete Connect, Huawei, Zhongji Innolight, Dongguan Mentech Optical&Magnetic, Accelink, Hisense Broadband, etc.

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

Market Segmentation

100G PSM4 Optical Module market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Transmission Distance: 500 Meters

Transmission Distance: 2 Kilometers

Market segment by Application

Data Centers

Metropolitan Area Networks

Others

Major players covered

Mellanox

Cisco

Arista

Intel

Complete Connect

Huawei

Zhongji Innolight

Dongguan Mentech Optical&Magnetic

Accelink

Hisense Broadband

H3C

GIGALIGHT

ETU-Link Technology

XYT Tech

WHGearlink Optical Transceivers

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe 100G PSM4 Optical Module product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of 100G PSM4 Optical Module, with price, sales quantity, revenue, and global market share of 100G PSM4 Optical Module from 2020 to 2025.

Chapter 3, the 100G PSM4 Optical Module competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the 100G PSM4 Optical Module breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and 100G PSM4 Optical Module market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of 100G PSM4 Optical Module.

Chapter 14 and 15, to describe 100G PSM4 Optical Module sales channel, distributors, customers, research findings and conclusion.

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