

# Global 100G SFP112 Transceiver Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global 100G SFP112 Transceiver market size was valued at US\$ 56.59 million in 2025 and is forecast to a readjusted size of US\$ 812 million by 2032 with a CAGR of 35.9% during review period.

The 100G SFP112 transceiver is a compact pluggable optical transceiver designed for high-speed Ethernet interconnects. Its core function is to deliver 100Gbps-class optical-electrical conversion within a single SFP112 form factor for short-, medium-, and long-reach links among switches, servers, routers, optical transport equipment, and test platforms. These products typically use single-lambda 100G PAM4 modulation, host-side FEC, CMIS management interfaces, and VCSEL, EML, PIN, APD, or silicon photonics integrated devices to support different reach and power configurations. The common delivery form is a hot-pluggable module, with typical interfaces including duplex LC and single-fiber BiDi. Key applications include data center switch interconnects, AI cluster high-speed interconnects, cloud network access, in-rack and inter-rack aggregation, 400G port breakout connections, carrier metro access, and laboratory validation.

The core value of 100G SFP112 transceivers lies in compressing 100G single-port capability into a smaller form factor, enabling equipment vendors to increase 100G port density within the same front-panel space. Compared with traditional QSFP28 modules, SFP112 is better suited to high-density switches, edge aggregation equipment, and next-generation 100G access port designs, particularly where network platforms need to preserve 100G ecosystem compatibility while reducing space and power pressure.

Industry growth is driven by two directions. On one side, AI clusters and cloud data

centers continue to move toward higher network speeds, while 100G SFP112 can serve as a complementary link type for in-rack access, management networks, high-density leaf-spine switching, and 400G breakout connections. On the other side, carrier metro and enterprise campus networks still have substantial upgrade demand from 10G, 25G, 40G, and legacy 100G ports. Through single-lambda PAM4 and a low-power compact form factor, SFP112 creates a balanced position among cost, density, and compatibility.

Competition will center on reach class, power consumption, compatibility coding capability, device integration, and mass-production consistency. Short-reach SR1 products depend more on VCSEL and low-power designs, while medium- and long-reach DR1, FR1, LR1, and ER1 products depend more on EML, PIN, APD, and silicon photonics solutions. Suppliers in China, Singapore, Japan, and Germany have already introduced products or portfolios. As switch-chip port capability, host-side FEC, and the CMIS management ecosystem mature, 100G SFP112 is expected to move from early adoption toward scaled deployment.

This report is a detailed and comprehensive analysis for global 100G SFP112 Transceiver market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Optical Interface Standard 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.

#### Key Features:

Global 100G SFP112 Transceiver market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global 100G SFP112 Transceiver market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global 100G SFP112 Transceiver market size and forecasts, by Optical Interface Standard and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global 100G SFP112 Transceiver market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

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 SFP112 Transceiver

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 SFP112 Transceiver 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 Eoptolink Technology Inc., Ltd., NEC Corporation, Shenzhen Gigalight Technology Co., Ltd., FIBERSTAMP Technology Co., Ltd., FLEXOPTIX GmbH, Shenzhen C-Light Network Communication Co., Ltd., etc.

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

## Market Segmentation

100G SFP112 Transceiver market is split by Optical Interface Standard and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Optical Interface Standard, 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 Optical Interface Standard

100G-SR1 Optical Module

100G-DR1 Optical Module

100G-FR1 Optical Module

100G-LR1 Optical Module

100G-ER1-30 Optical Module

100G-ER1-40 Optical Module

100G-BiDi LR1 Optical Module

100G-BiDi ER1 Optical Module

#### Market segment by Optoelectronic Device Structure

VCSEL-PIN Optical Module

EML-PIN Optical Module

EML-APD Optical Module

Silicon Photonics Integrated Optical Module

Other

#### Market segment by Wavelength System

850 nm Optical Module

1310 nm Optical Module

1270 nm/1330 nm Bidirectional Optical Module

LAN-WDM Wavelength Optical Module

CWDM Wavelength Optical Module

Other

## Market segment by Application

Data Center Switch Interconnect

AI Cluster High-Speed Interconnect

Cloud Network Access

In-Rack Server Access

Enterprise Campus Core Uplink

Other

## Major players covered

Eoptolink Technology Inc., Ltd.

NEC Corporation

Shenzhen Gigalight Technology Co., Ltd.

FIBERSTAMP Technology Co., Ltd.

FLEXOPTIX GmbH

Shenzhen C-Light Network Communication Co., Ltd.

## 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 SFP112 Transceiver product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of 100G SFP112 Transceiver, with price, sales quantity, revenue, and global market share of 100G SFP112 Transceiver from 2021 to 2026.

Chapter 3, the 100G SFP112 Transceiver competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the 100G SFP112 Transceiver breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Optical Interface Standard and by Application, with sales market share and growth rate by Optical Interface Standard, by Application, from 2021 to 2032.

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 2021 to 2026. and 100G SFP112 Transceiver market forecast, by regions, by Optical Interface Standard, and by Application, with sales and revenue, from 2027 to 2032.

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 SFP112 Transceiver.

Chapter 14 and 15, to describe 100G SFP112 Transceiver sales channel,

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