

# Global Optical Communication IC Supply, Demand and Key Producers, 2023-2029

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## Abstracts

The global Optical Communication IC market size is expected to reach \$ 7028.4 million by 2029, rising at a market growth of 12.2% CAGR during the forecast period (2023-2029).

Global key players of optical communication IC include II-VI Incorporated (Finisar), Lumentum (Oclaro), Broadcom, Sumitomo Electric, Accelink Technologies, etc. The top five players hold a share about 60%. North America is the largest producer, has a share about 47%, followed by China, with share 30%. China is the largest market, has a share about 26%, followed by North America, and Europe, with share 25% and 21%, separately.

In optical devices, optical chips are used for the conversion of photoelectric signals. According to the type of light emission, it is divided into surface emission and side emission. Among them, surface-emitting lasers are mainly VCSEL (vertical cavity surface-emitting lasers); there are many types of edge-emitting lasers, including FP (Fabry-Pérot, Fabry-Perot laser), DFB (Distributed Feedback Laser, distributed feedback laser) Lasers) and EML (Electroabsorption Modulated Laser), traditional FP laser chips have gradually narrowed their applications in the field of optical communication due to large losses and short transmission distances. There are three main types of core laser chips: DFB and EML And VCSEL.

This report studies the global Optical Communication IC production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Optical Communication IC, and provides market size (US\$ million) and Year-over-Year (YoY)

Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Optical Communication IC that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Optical Communication IC total production and demand, 2018-2029, (M Pcs)

Global Optical Communication IC total production value, 2018-2029, (USD Million)

Global Optical Communication IC production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (M Pcs)

Global Optical Communication IC consumption by region & country, CAGR, 2018-2029 & (M Pcs)

U.S. VS China: Optical Communication IC domestic production, consumption, key domestic manufacturers and share

Global Optical Communication IC production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (M Pcs)

Global Optical Communication IC production by Type, production, value, CAGR, 2018-2029, (USD Million) & (M Pcs)

Global Optical Communication IC production by Application production, value, CAGR, 2018-2029, (USD Million) & (M Pcs)

This reports profiles key players in the global Optical Communication IC 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 II-VI Incorporated (Finisar), Lumentum (Oclaro), Broadcom, Sumitomo Electric, Accelink Technologies, Hisense Broadband, Mitsubishi Electric, Yuanjie Semiconductor and EMCORE Corporation, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices

used in analyzing the World Optical Communication IC market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (M Pcs) and average price (US\$/Pc) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Optical Communication IC Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Optical Communication IC Market, Segmentation by Type

DFB

VCSEL

EML

Global Optical Communication IC Market, Segmentation by Application

Telecommunications

Data Center

#### Companies Profiled:

II-VI Incorporated (Finisar)

Lumentum (Oclaro)

Broadcom

Sumitomo Electric

Accelink Technologies

Hisense Broadband

Mitsubishi Electric

Yuanjie Semiconductor

EMCORE Corporation

Hisilicon

Wuhan Mindsemi

Wuhan Elite Optronics

#### Key Questions Answered

1. How big is the global Optical Communication IC market?
2. What is the demand of the global Optical Communication IC market?
3. What is the year over year growth of the global Optical Communication IC market?

4. What is the production and production value of the global Optical Communication IC market?
5. Who are the key producers in the global Optical Communication IC market?
6. What are the growth factors driving the market demand?

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