

Monolithic Photonic Integrated Circuit Market - Global Outlook and Forecast 2022-2028

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Abstracts

A Monolithic Photonic Integrated Circuit (PIC) or integrated optical circuit is a device that integrates multiple (at least two) photonic functions and as such is similar to an electronic integrated circuit. The major difference between the two is that a photonic integrated circuit provides functions for information signals imposed on optical wavelengths typically in the visible spectrum or near infrared 850 nm-1650 nm.

This report contains market size and forecasts of Monolithic Photonic Integrated Circuit in global, including the following market information:

Global Monolithic Photonic Integrated Circuit Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Monolithic Photonic Integrated Circuit Market Sales, 2017-2022, 2023-2028, (K Units)

Global top five Monolithic Photonic Integrated Circuit companies in 2021 (%)

The global Monolithic Photonic Integrated Circuit market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % during the forecast period.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

Passive Photonic Integrated Circuit Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Monolithic Photonic Integrated Circuit include Infinera, Alcatel-Lucent, Avago, NeoPhotonics, HUAWEI, Cisco, Ciena, Intel and Oclaro, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Monolithic Photonic Integrated Circuit manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Monolithic Photonic Integrated Circuit Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Monolithic Photonic Integrated Circuit Market Segment Percentages, by Type, 2021 (%)

Passive Photonic Integrated Circuit

Active Photonic Integrated Circuit

Global Monolithic Photonic Integrated Circuit Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Monolithic Photonic Integrated Circuit Market Segment Percentages, by Application, 2021 (%)

Optical Communication

Biophotonics

Others

Global Monolithic Photonic Integrated Circuit Market, By Region and Country, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Monolithic Photonic Integrated Circuit Market Segment Percentages, By Region and Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies Monolithic Photonic Integrated Circuit revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies Monolithic Photonic Integrated Circuit revenues share in global market, 2021 (%)

Key companies Monolithic Photonic Integrated Circuit sales in global market, 2017-2022 (Estimated), (K Units)

Key companies Monolithic Photonic Integrated Circuit sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

Infinera

Alcatel-Lucent

Avago

NeoPhotonics

HUAWEI

Cisco

Ciena

Intel

Oclaro

JDS Uniphase

Finisar

Luxtera

Mellanox

OneChip

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Figure 50. Monolithic Photonic Integrated Circuit Industry Value Chain

Figure 51. Marketing Channels

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