

Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Photonic IC Market 2018, Forecast to 2023

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Abstracts

A 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.

SCOPE OF THE REPORT:

This report focuses on the Photonic IC in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application. On the one hand, today photonic integration is emerging as a new standard for providing cost effective and high-performance miniaturized and optical systems for a wide range of applications. The use of photonic integrated circuits (PICs) enables system designers and manufacturers to unite various optical devices such as modulators, optical amplifiers, lasers, and multiplexers into a single package, thereby making the overall system compact and reduce its cost. As cost is a supremely important factor for both manufacturers and end users, this demand for photonic integrated circuits is expected to see a heightened rise over the coming years. On the other hand, chip manufacturers all over the world are striving to enhance power efficiency by reducing power consumption and to achieve this, the use of PICs in the circuitry. PICs are increasingly being preferred over optical fiber communication systems. Owing to their benefits such as low power consumption, superior flexibility, and low latency, the application areas of photonic integrated circuits are expected to increase in the future.

The photonic integrated circuits market is still in its nascent stage and thus, with growing prospects in the future, the number of players in the market is likely to increase and this will result in a high level of threat from new entrants in the coming years.

The worldwide market for Photonic IC is expected to grow at a CAGR of roughly 23.8% over the next five years, will reach 1800 million US\$ in 2023, from 500 million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Infinera

Alcatel-Lucent

Avago

NeoPhotonics

HUAWEI

Cisco

Ciena

Intel

Oclaro

JDS Uniphase

Finisar

Luxtera

Mellanox

OneChip

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

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

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Monolithic Integration

Hybrid Integration

Module Integration

Market Segment by Applications, can be divided into

Optical Communication

Sensing

Biophotonics

Others

There are 15 Chapters to deeply display the global Photonic IC market.

Chapter 1, to describe Photonic IC Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Photonic IC, with sales, revenue, and

price of Photonic IC, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Photonic IC, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Photonic IC market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Photonic IC sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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