

Global Hybrid Photonic Integrated Circuit Market 2018 by Manufacturers, Countries, Type and Application, Forecast to 2023

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Abstracts

Photonic integrated circuit (PIC) is a sophisticated integrated circuit incorporating multiple optical devices/functions into a unique optical package. The main difference between a photonic integrated circuit and an electronic circuit is that photonic ICs use photons as data carriers unlike electronic ICs which use electrons for transferring data. In addition, a photonic integrated circuit is analogous to electronic integrated circuits.

Scope of the Report:

Photonic Integrated Circuit (PIC) technology is widely used to transfer huge amounts of data at a very high speed and find application in the field of optical fiber communications. The photonic integrated circuits market is growing as they provide significant improvements in system size, power consumption, reliability, and cost. Based on the type of integration, the photonic integrated circuit market is segmented into hybrid and monolithic. Hybrid photonic integration allows for selecting individual components from the respective best-suited material platform and for assembling them in a common motherboard. It is an advantage that numerous integrated optic devices will combine.

The global Hybrid Photonic Integrated Circuit market is valued at xx million USD in 2017 and is expected to reach xx million USD by the end of 2023, growing at a CAGR of xx% between 2017 and 2023.

The Asia-Pacific will occupy for more market share in following years, especially in China, also fast growing India and Southeast Asia regions.

North America, especially The United States, will still play an important role which cannot be ignored. Any changes from United States might affect the development trend of Hybrid Photonic Integrated Circuit.

Europe also play important roles in global market, with market size of xx million USD in 2017 and will be xx million USD in 2023, with a CAGR of xx%.

This report studies the Hybrid Photonic Integrated Circuit market status and outlook of Global and major regions, from angles of players, countries, product types and end industries; this report analyzes the top players in global market, and splits the Hybrid Photonic Integrated Circuit market by product type and applications/end industries.

Market Segment by Companies, this report covers

Infinera Corporation

NeoPhotonics Corporation

Huawei Global

OneChip Photonics

Oclaro

JDS Uniphase

Intel Corporation

Broadcom

Ciena Corporation

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)

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

Market Segment by Type, covers

Quantum Dots

Graphene

Silicon

Others

Market Segment by Applications, can be divided into

Optical Fiber Communications

Biomedical

Optical Fiber Sensor

Quantum Computing (datacenters)

Others

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