

# 2018 Top 5 Photonic IC Players in North America, Europe, Asia-Pacific, South America, Middle East and Africa

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## Abstracts

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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.

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.

Over the next five years, LPI(LP Information) projects that Photonic IC will register a 23.8% CAGR in terms of revenue, reach US\$ 1800 million by 2023, from US\$ 500 million in 2017.

This report studies the global market, especially in North America, Europe, Asia-Pacific, South America, Middle East and Africa, focuses on the top 5 players in each region, with sales, price, revenue and market share from 2013 to 2018, the top players:

Infinera

Alcatel-Lucent

Avago

NeoPhotonics

HUAWEI

Cisco

Ciena

Intel

Oclaro

JDS Uniphase

Finisar

Luxtera

Mellanox

OneChip

Market Segment by Regions, this report splits Global into several key Regions, with sales, revenue, market share of top players in these regions, from 2013 to 2018

(forecast), like

North America (United States, Canada and Mexico)

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

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

South America (Brazil, Chile, Peru and Argentina)

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

Split by Product Types, with sales, revenue, price, market share of each type, can be divided into

Monolithic Integration

Hybrid Integration

Module Integration

Split by applications, this report focuses on sales, market share and growth rate in each application, can be divided into

Optical Communication

Sensing

Biophotonics

Others

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