

# Global Photonic IC Market Research Report 2022

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### Abstracts

The global Photonic IC market was valued at 5.44 Million USD in 2021 and will grow with a CAGR of 23.24% from 2021 to 2027, based on HNY Research newly published report.

The prime objective of this report is to provide the insights on the post COVID-19 impact which will help market players in this field evaluate their business approaches. Also, this report covers market segmentation by major market vendors, types, applications/end users and geography(North America, East Asia, Europe, South Asia, Southeast Asia, Middle East, Africa, Oceania, South America).

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.

By Market Vendors:

Infinera

Alcatel-Lucent

Avago

NeoPhotonics

HUAWEI

Cisco

Ciena

Intel

Oclaro

JDS Uniphase

Finisar

Luxtera

Mellanox

OneChip

By Types:

Monolithic Integration

Hybrid Integration

Module Integration

By Applications:

Optical Communication

Sensing

Biophotonics

Key Indicators Analysed

**Market Players & Competitor Analysis:** The report covers the key players of the industry including Company Profile, Product Specifications, Production Capacity/Sales, Revenue, Price and Gross Margin 2016-2027 & Sales with a thorough analysis of the market's competitive landscape and detailed information on vendors and comprehensive details of factors that will challenge the growth of major market vendors.

**Global and Regional Market Analysis:** The report includes Global & Regional market status and outlook 2016-2027. Further the report provides break down details about each region & countries covered in the report. Identifying its sales, sales volume & revenue forecast. With detailed analysis by types and applications.

**Market Trends:** Market key trends which include Increased Competition and Continuous Innovations.

**Opportunities and Drivers:** Identifying the Growing Demands and New Technology

**Porters Five Force Analysis:** The report provides with the state of competition in industry depending on five basic forces: threat of new entrants, bargaining power of suppliers, bargaining power of buyers, threat of substitute products or services, and existing industry rivalry.

Key Reasons to Purchase

To gain insightful analyses of the market and have comprehensive understanding of the

global market and its commercial landscape.

Assess the production processes, major issues, and solutions to mitigate the development risk.

To understand the most affecting driving and restraining forces in the market and its impact in the global market.

Learn about the market strategies that are being adopted by leading respective organizations.

To understand the future outlook and prospects for the market.

Besides the standard structure reports, we also provide custom research according to specific requirements

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Bottom-up and Top-down Approaches for This Report



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