

Global Photonics Integrated Circuit (IC) Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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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.

According to our (Global Info Research) latest study, the global Photonics Integrated Circuit (IC) market size was valued at USD 1275.2 million in 2022 and is forecast to a readjusted size of USD 1691.1 million by 2029 with a CAGR of 4.1% during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

The key brand include Infinera, Alcatel-Lucent, Avago, NeoPhotonics, HUAWEI, Cisco, Ciena, Intel, Oclaro, JDS Uniphase, Finisar, Luxtera, Mellanox and OneChip, etc, with about 93% market shares.

This report is a detailed and comprehensive analysis for global Photonics Integrated Circuit (IC) market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2023, are provided.

Key Features:

Global Photonics Integrated Circuit (IC) market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2018-2029

Global Photonics Integrated Circuit (IC) market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2018-2029

Global Photonics Integrated Circuit (IC) market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2018-2029

Global Photonics Integrated Circuit (IC) market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (USD/Unit), 2018-2023

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Photonics Integrated Circuit (IC)

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Photonics Integrated Circuit (IC) market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Hewlett-Packard Company, Ciena Corporation, Hamamatsu Photonics K.K., IBM and NeoPhotonics Corporation, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Market Segmentation

Photonics Integrated Circuit (IC) market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and

forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Monolithic Integration

Hybrid Integration

Module Integration

Market segment by Application

Optical Communications

Sensing

Biophotonics

Optical Signal Processing

Major players covered

Hewlett-Packard Company

Ciena Corporation

Hamamatsu Photonics K.K.

IBM

NeoPhotonics Corporation

Viavi Solutions

3S Photonics S.A.S

Innolume GmbH

Infinera

Broadcom

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

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

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Photonics Integrated Circuit (IC) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Photonics Integrated Circuit (IC), with price, sales, revenue and global market share of Photonics Integrated Circuit (IC) from 2018 to 2023.

Chapter 3, the Photonics Integrated Circuit (IC) competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Photonics Integrated Circuit (IC) breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2022.and Photonics Integrated Circuit (IC) market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of Photonics Integrated Circuit (IC).

Chapter 14 and 15, to describe Photonics Integrated Circuit (IC) sales channel, distributors, customers, research findings and conclusion.

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