

# Global Photonics Integrated Circuit (IC) Market Growth 2025-2031

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## Abstracts

The global Photonics Integrated Circuit (IC) market size is predicted to grow from US\$ 1373 million in 2025 to US\$ 1784 million in 2031; it is expected to grow at a CAGR of 4.5% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

Photonics integrated circuits combine optical and electronic components on a single chip. They are crucial for optical communication and data processing.

The photonics IC market is growing due to the increasing demand for high-speed data transmission and optical computing.

LP Information, Inc. (LPI) ' newest research report, the "Photonics Integrated Circuit (IC) Industry Forecast" looks at past sales and reviews total world Photonics Integrated Circuit (IC) sales in 2024, providing a comprehensive analysis by region and market sector of projected Photonics Integrated Circuit (IC) sales for 2025 through 2031. With Photonics Integrated Circuit (IC) sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Photonics Integrated Circuit (IC) industry.

This Insight Report provides a comprehensive analysis of the global Photonics Integrated Circuit (IC) landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with

a focus on Photonics Integrated Circuit (IC) portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Photonics Integrated Circuit (IC) market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Photonics Integrated Circuit (IC) and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Photonics Integrated Circuit (IC).

This report presents a comprehensive overview, market shares, and growth opportunities of Photonics Integrated Circuit (IC) market by product type, application, key manufacturers and key regions and countries.

### **Segmentation by Type:**

Monolithic Integration

Hybrid Integration

Module Integration

### **Segmentation by Application:**

Optical Communications

Sensing

Biophotonics

Optical Signal Processing

### **This report also splits the market by region:**

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Hewlett-Packard Company

Ciena Corporation

Hamamatsu Photonics K.K.

IBM

NeoPhotonics Corporation

Viavi Solutions

3S Photonics S.A.S

Innolume GmbH

Infinera

Broadcom

### **Key Questions Addressed in this Report**

What is the 10-year outlook for the global Photonics Integrated Circuit (IC) market?

What factors are driving Photonics Integrated Circuit (IC) market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Photonics Integrated Circuit (IC) market opportunities vary by end market size?  
How does Photonics Integrated Circuit (IC) break out by Type, by Application?

## Contents

### 1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

### 2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
  - 2.1.1 Global Photonics Integrated Circuit (IC) Annual Sales 2020-2031
  - 2.1.2 World Current & Future Analysis for Photonics Integrated Circuit (IC) by Geographic Region, 2020, 2024 & 2031
  - 2.1.3 World Current & Future Analysis for Photonics Integrated Circuit (IC) by Country/Region, 2020, 2024 & 2031
- 2.2 Photonics Integrated Circuit (IC) Segment by Type
  - 2.2.1 Monolithic Integration
  - 2.2.2 Hybrid Integration
  - 2.2.3 Module Integration
- 2.3 Photonics Integrated Circuit (IC) Sales by Type
  - 2.3.1 Global Photonics Integrated Circuit (IC) Sales Market Share by Type (2020-2025)
  - 2.3.2 Global Photonics Integrated Circuit (IC) Revenue and Market Share by Type (2020-2025)
  - 2.3.3 Global Photonics Integrated Circuit (IC) Sale Price by Type (2020-2025)
- 2.4 Photonics Integrated Circuit (IC) Segment by Application
  - 2.4.1 Optical Communications
  - 2.4.2 Sensing
  - 2.4.3 Biophotonics
  - 2.4.4 Optical Signal Processing
- 2.5 Photonics Integrated Circuit (IC) Sales by Application
  - 2.5.1 Global Photonics Integrated Circuit (IC) Sale Market Share by Application (2020-2025)

2.5.2 Global Photonics Integrated Circuit (IC) Revenue and Market Share by Application (2020-2025)

2.5.3 Global Photonics Integrated Circuit (IC) Sale Price by Application (2020-2025)

### **3 GLOBAL BY COMPANY**

3.1 Global Photonics Integrated Circuit (IC) Breakdown Data by Company

3.1.1 Global Photonics Integrated Circuit (IC) Annual Sales by Company (2020-2025)

3.1.2 Global Photonics Integrated Circuit (IC) Sales Market Share by Company (2020-2025)

3.2 Global Photonics Integrated Circuit (IC) Annual Revenue by Company (2020-2025)

3.2.1 Global Photonics Integrated Circuit (IC) Revenue by Company (2020-2025)

3.2.2 Global Photonics Integrated Circuit (IC) Revenue Market Share by Company (2020-2025)

3.3 Global Photonics Integrated Circuit (IC) Sale Price by Company

3.4 Key Manufacturers Photonics Integrated Circuit (IC) Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Photonics Integrated Circuit (IC) Product Location Distribution

3.4.2 Players Photonics Integrated Circuit (IC) Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

### **4 WORLD HISTORIC REVIEW FOR PHOTONICS INTEGRATED CIRCUIT (IC) BY GEOGRAPHIC REGION**

4.1 World Historic Photonics Integrated Circuit (IC) Market Size by Geographic Region (2020-2025)

4.1.1 Global Photonics Integrated Circuit (IC) Annual Sales by Geographic Region (2020-2025)

4.1.2 Global Photonics Integrated Circuit (IC) Annual Revenue by Geographic Region (2020-2025)

4.2 World Historic Photonics Integrated Circuit (IC) Market Size by Country/Region (2020-2025)

4.2.1 Global Photonics Integrated Circuit (IC) Annual Sales by Country/Region (2020-2025)

4.2.2 Global Photonics Integrated Circuit (IC) Annual Revenue by Country/Region (2020-2025)

4.3 Americas Photonics Integrated Circuit (IC) Sales Growth

4.4 APAC Photonics Integrated Circuit (IC) Sales Growth

4.5 Europe Photonics Integrated Circuit (IC) Sales Growth

4.6 Middle East & Africa Photonics Integrated Circuit (IC) Sales Growth

## **5 AMERICAS**

5.1 Americas Photonics Integrated Circuit (IC) Sales by Country

5.1.1 Americas Photonics Integrated Circuit (IC) Sales by Country (2020-2025)

5.1.2 Americas Photonics Integrated Circuit (IC) Revenue by Country (2020-2025)

5.2 Americas Photonics Integrated Circuit (IC) Sales by Type (2020-2025)

5.3 Americas Photonics Integrated Circuit (IC) Sales by Application (2020-2025)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

## **6 APAC**

6.1 APAC Photonics Integrated Circuit (IC) Sales by Region

6.1.1 APAC Photonics Integrated Circuit (IC) Sales by Region (2020-2025)

6.1.2 APAC Photonics Integrated Circuit (IC) Revenue by Region (2020-2025)

6.2 APAC Photonics Integrated Circuit (IC) Sales by Type (2020-2025)

6.3 APAC Photonics Integrated Circuit (IC) Sales by Application (2020-2025)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

## **7 EUROPE**

7.1 Europe Photonics Integrated Circuit (IC) by Country

7.1.1 Europe Photonics Integrated Circuit (IC) Sales by Country (2020-2025)

7.1.2 Europe Photonics Integrated Circuit (IC) Revenue by Country (2020-2025)

- 7.2 Europe Photonics Integrated Circuit (IC) Sales by Type (2020-2025)
- 7.3 Europe Photonics Integrated Circuit (IC) Sales by Application (2020-2025)
- 7.4 Germany
- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

## **8 MIDDLE EAST & AFRICA**

- 8.1 Middle East & Africa Photonics Integrated Circuit (IC) by Country
  - 8.1.1 Middle East & Africa Photonics Integrated Circuit (IC) Sales by Country (2020-2025)
  - 8.1.2 Middle East & Africa Photonics Integrated Circuit (IC) Revenue by Country (2020-2025)
- 8.2 Middle East & Africa Photonics Integrated Circuit (IC) Sales by Type (2020-2025)
- 8.3 Middle East & Africa Photonics Integrated Circuit (IC) Sales by Application (2020-2025)
- 8.4 Egypt
- 8.5 South Africa
- 8.6 Israel
- 8.7 Turkey
- 8.8 GCC Countries

## **9 MARKET DRIVERS, CHALLENGES AND TRENDS**

- 9.1 Market Drivers & Growth Opportunities
- 9.2 Market Challenges & Risks
- 9.3 Industry Trends

## **10 MANUFACTURING COST STRUCTURE ANALYSIS**

- 10.1 Raw Material and Suppliers
- 10.2 Manufacturing Cost Structure Analysis of Photonics Integrated Circuit (IC)
- 10.3 Manufacturing Process Analysis of Photonics Integrated Circuit (IC)
- 10.4 Industry Chain Structure of Photonics Integrated Circuit (IC)

## **11 MARKETING, DISTRIBUTORS AND CUSTOMER**

- 11.1 Sales Channel
  - 11.1.1 Direct Channels
  - 11.1.2 Indirect Channels
- 11.2 Photonics Integrated Circuit (IC) Distributors
- 11.3 Photonics Integrated Circuit (IC) Customer

## **12 WORLD FORECAST REVIEW FOR PHOTONICS INTEGRATED CIRCUIT (IC) BY GEOGRAPHIC REGION**

- 12.1 Global Photonics Integrated Circuit (IC) Market Size Forecast by Region
  - 12.1.1 Global Photonics Integrated Circuit (IC) Forecast by Region (2026-2031)
  - 12.1.2 Global Photonics Integrated Circuit (IC) Annual Revenue Forecast by Region (2026-2031)
- 12.2 Americas Forecast by Country (2026-2031)
- 12.3 APAC Forecast by Region (2026-2031)
- 12.4 Europe Forecast by Country (2026-2031)
- 12.5 Middle East & Africa Forecast by Country (2026-2031)
- 12.6 Global Photonics Integrated Circuit (IC) Forecast by Type (2026-2031)
- 12.7 Global Photonics Integrated Circuit (IC) Forecast by Application (2026-2031)

## **13 KEY PLAYERS ANALYSIS**

- 13.1 Hewlett-Packard Company
  - 13.1.1 Hewlett-Packard Company Company Information
  - 13.1.2 Hewlett-Packard Company Photonics Integrated Circuit (IC) Product Portfolios and Specifications
  - 13.1.3 Hewlett-Packard Company Photonics Integrated Circuit (IC) Sales, Revenue, Price and Gross Margin (2020-2025)
  - 13.1.4 Hewlett-Packard Company Main Business Overview
  - 13.1.5 Hewlett-Packard Company Latest Developments
- 13.2 Ciena Corporation
  - 13.2.1 Ciena Corporation Company Information
  - 13.2.2 Ciena Corporation Photonics Integrated Circuit (IC) Product Portfolios and Specifications
  - 13.2.3 Ciena Corporation Photonics Integrated Circuit (IC) Sales, Revenue, Price and Gross Margin (2020-2025)
  - 13.2.4 Ciena Corporation Main Business Overview
  - 13.2.5 Ciena Corporation Latest Developments
- 13.3 Hamamatsu Photonics K.K.

- 13.3.1 Hamamatsu Photonics K.K. Company Information
- 13.3.2 Hamamatsu Photonics K.K. Photonics Integrated Circuit (IC) Product Portfolios and Specifications
- 13.3.3 Hamamatsu Photonics K.K. Photonics Integrated Circuit (IC) Sales, Revenue, Price and Gross Margin (2020-2025)
- 13.3.4 Hamamatsu Photonics K.K. Main Business Overview
- 13.3.5 Hamamatsu Photonics K.K. Latest Developments
- 13.4 IBM
  - 13.4.1 IBM Company Information
  - 13.4.2 IBM Photonics Integrated Circuit (IC) Product Portfolios and Specifications
  - 13.4.3 IBM Photonics Integrated Circuit (IC) Sales, Revenue, Price and Gross Margin (2020-2025)
  - 13.4.4 IBM Main Business Overview
  - 13.4.5 IBM Latest Developments
- 13.5 NeoPhotonics Corporation
  - 13.5.1 NeoPhotonics Corporation Company Information
  - 13.5.2 NeoPhotonics Corporation Photonics Integrated Circuit (IC) Product Portfolios and Specifications
  - 13.5.3 NeoPhotonics Corporation Photonics Integrated Circuit (IC) Sales, Revenue, Price and Gross Margin (2020-2025)
  - 13.5.4 NeoPhotonics Corporation Main Business Overview
  - 13.5.5 NeoPhotonics Corporation Latest Developments
- 13.6 Viavi Solutions
  - 13.6.1 Viavi Solutions Company Information
  - 13.6.2 Viavi Solutions Photonics Integrated Circuit (IC) Product Portfolios and Specifications
  - 13.6.3 Viavi Solutions Photonics Integrated Circuit (IC) Sales, Revenue, Price and Gross Margin (2020-2025)
  - 13.6.4 Viavi Solutions Main Business Overview
  - 13.6.5 Viavi Solutions Latest Developments
- 13.7 3S Photonics S.A.S
  - 13.7.1 3S Photonics S.A.S Company Information
  - 13.7.2 3S Photonics S.A.S Photonics Integrated Circuit (IC) Product Portfolios and Specifications
  - 13.7.3 3S Photonics S.A.S Photonics Integrated Circuit (IC) Sales, Revenue, Price and Gross Margin (2020-2025)
  - 13.7.4 3S Photonics S.A.S Main Business Overview
  - 13.7.5 3S Photonics S.A.S Latest Developments
- 13.8 Innolume GmbH

- 13.8.1 Innolume GmbH Company Information
- 13.8.2 Innolume GmbH Photonics Integrated Circuit (IC) Product Portfolios and Specifications
- 13.8.3 Innolume GmbH Photonics Integrated Circuit (IC) Sales, Revenue, Price and Gross Margin (2020-2025)
- 13.8.4 Innolume GmbH Main Business Overview
- 13.8.5 Innolume GmbH Latest Developments
- 13.9 Infinera
  - 13.9.1 Infinera Company Information
  - 13.9.2 Infinera Photonics Integrated Circuit (IC) Product Portfolios and Specifications
  - 13.9.3 Infinera Photonics Integrated Circuit (IC) Sales, Revenue, Price and Gross Margin (2020-2025)
  - 13.9.4 Infinera Main Business Overview
  - 13.9.5 Infinera Latest Developments
- 13.10 Broadcom
  - 13.10.1 Broadcom Company Information
  - 13.10.2 Broadcom Photonics Integrated Circuit (IC) Product Portfolios and Specifications
  - 13.10.3 Broadcom Photonics Integrated Circuit (IC) Sales, Revenue, Price and Gross Margin (2020-2025)
  - 13.10.4 Broadcom Main Business Overview
  - 13.10.5 Broadcom Latest Developments

## **14 RESEARCH FINDINGS AND CONCLUSION**

## List Of Tables

### LIST OF TABLES

Table 1. Photonics Integrated Circuit (IC) Annual Sales CAGR by Geographic Region (2020, 2024 & 2031) & (\$ millions)

Table 2. Photonics Integrated Circuit (IC) Annual Sales CAGR by Country/Region (2020, 2024 & 2031) & (\$ millions)

Table 3. Major Players of Monolithic Integration

Table 4. Major Players of Hybrid Integration

Table 5. Major Players of Module Integration

Table 6. Global Photonics Integrated Circuit (IC) Sales by Type (2020-2025) & (K Units)

Table 7. Global Photonics Integrated Circuit (IC) Sales Market Share by Type (2020-2025)

Table 8. Global Photonics Integrated Circuit (IC) Revenue by Type (2020-2025) & (\$ million)

Table 9. Global Photonics Integrated Circuit (IC) Revenue Market Share by Type (2020-2025)

Table 10. Global Photonics Integrated Circuit (IC) Sale Price by Type (2020-2025) & (USD/Unit)

Table 11. Global Photonics Integrated Circuit (IC) Sale by Application (2020-2025) & (K Units)

Table 12. Global Photonics Integrated Circuit (IC) Sale Market Share by Application (2020-2025)

Table 13. Global Photonics Integrated Circuit (IC) Revenue by Application (2020-2025) & (\$ million)

Table 14. Global Photonics Integrated Circuit (IC) Revenue Market Share by Application (2020-2025)

Table 15. Global Photonics Integrated Circuit (IC) Sale Price by Application (2020-2025) & (USD/Unit)

Table 16. Global Photonics Integrated Circuit (IC) Sales by Company (2020-2025) & (K Units)

Table 17. Global Photonics Integrated Circuit (IC) Sales Market Share by Company (2020-2025)

Table 18. Global Photonics Integrated Circuit (IC) Revenue by Company (2020-2025) & (\$ millions)

Table 19. Global Photonics Integrated Circuit (IC) Revenue Market Share by Company (2020-2025)

Table 20. Global Photonics Integrated Circuit (IC) Sale Price by Company (2020-2025)

& (USD/Unit)

Table 21. Key Manufacturers Photonics Integrated Circuit (IC) Producing Area Distribution and Sales Area

Table 22. Players Photonics Integrated Circuit (IC) Products Offered

Table 23. Photonics Integrated Circuit (IC) Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

Table 24. New Products and Potential Entrants

Table 25. Market M&A Activity & Strategy

Table 26. Global Photonics Integrated Circuit (IC) Sales by Geographic Region (2020-2025) & (K Units)

Table 27. Global Photonics Integrated Circuit (IC) Sales Market Share Geographic Region (2020-2025)

Table 28. Global Photonics Integrated Circuit (IC) Revenue by Geographic Region (2020-2025) & (\$ millions)

Table 29. Global Photonics Integrated Circuit (IC) Revenue Market Share by Geographic Region (2020-2025)

Table 30. Global Photonics Integrated Circuit (IC) Sales by Country/Region (2020-2025) & (K Units)

Table 31. Global Photonics Integrated Circuit (IC) Sales Market Share by Country/Region (2020-2025)

Table 32. Global Photonics Integrated Circuit (IC) Revenue by Country/Region (2020-2025) & (\$ millions)

Table 33. Global Photonics Integrated Circuit (IC) Revenue Market Share by Country/Region (2020-2025)

Table 34. Americas Photonics Integrated Circuit (IC) Sales by Country (2020-2025) & (K Units)

Table 35. Americas Photonics Integrated Circuit (IC) Sales Market Share by Country (2020-2025)

Table 36. Americas Photonics Integrated Circuit (IC) Revenue by Country (2020-2025) & (\$ millions)

Table 37. Americas Photonics Integrated Circuit (IC) Sales by Type (2020-2025) & (K Units)

Table 38. Americas Photonics Integrated Circuit (IC) Sales by Application (2020-2025) & (K Units)

Table 39. APAC Photonics Integrated Circuit (IC) Sales by Region (2020-2025) & (K Units)

Table 40. APAC Photonics Integrated Circuit (IC) Sales Market Share by Region (2020-2025)

Table 41. APAC Photonics Integrated Circuit (IC) Revenue by Region (2020-2025) & (\$

millions)

Table 42. APAC Photonics Integrated Circuit (IC) Sales by Type (2020-2025) & (K Units)

Table 43. APAC Photonics Integrated Circuit (IC) Sales by Application (2020-2025) & (K Units)

Table 44. Europe Photonics Integrated Circuit (IC) Sales by Country (2020-2025) & (K Units)

Table 45. Europe Photonics Integrated Circuit (IC) Revenue by Country (2020-2025) & (\$ millions)

Table 46. Europe Photonics Integrated Circuit (IC) Sales by Type (2020-2025) & (K Units)

Table 47. Europe Photonics Integrated Circuit (IC) Sales by Application (2020-2025) & (K Units)

Table 48. Middle East & Africa Photonics Integrated Circuit (IC) Sales by Country (2020-2025) & (K Units)

Table 49. Middle East & Africa Photonics Integrated Circuit (IC) Revenue Market Share by Country (2020-2025)

Table 50. Middle East & Africa Photonics Integrated Circuit (IC) Sales by Type (2020-2025) & (K Units)

Table 51. Middle East & Africa Photonics Integrated Circuit (IC) Sales by Application (2020-2025) & (K Units)

Table 52. Key Market Drivers & Growth Opportunities of Photonics Integrated Circuit (IC)

Table 53. Key Market Challenges & Risks of Photonics Integrated Circuit (IC)

Table 54. Key Industry Trends of Photonics Integrated Circuit (IC)

Table 55. Photonics Integrated Circuit (IC) Raw Material

Table 56. Key Suppliers of Raw Materials

Table 57. Photonics Integrated Circuit (IC) Distributors List

Table 58. Photonics Integrated Circuit (IC) Customer List

Table 59. Global Photonics Integrated Circuit (IC) Sales Forecast by Region (2026-2031) & (K Units)

Table 60. Global Photonics Integrated Circuit (IC) Revenue Forecast by Region (2026-2031) & (\$ millions)

Table 61. Americas Photonics Integrated Circuit (IC) Sales Forecast by Country (2026-2031) & (K Units)

Table 62. Americas Photonics Integrated Circuit (IC) Annual Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 63. APAC Photonics Integrated Circuit (IC) Sales Forecast by Region (2026-2031) & (K Units)

Table 64. APAC Photonics Integrated Circuit (IC) Annual Revenue Forecast by Region (2026-2031) & (\$ millions)

Table 65. Europe Photonics Integrated Circuit (IC) Sales Forecast by Country (2026-2031) & (K Units)

Table 66. Europe Photonics Integrated Circuit (IC) Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 67. Middle East & Africa Photonics Integrated Circuit (IC) Sales Forecast by Country (2026-2031) & (K Units)

Table 68. Middle East & Africa Photonics Integrated Circuit (IC) Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 69. Global Photonics Integrated Circuit (IC) Sales Forecast by Type (2026-2031) & (K Units)

Table 70. Global Photonics Integrated Circuit (IC) Revenue Forecast by Type (2026-2031) & (\$ millions)

Table 71. Global Photonics Integrated Circuit (IC) Sales Forecast by Application (2026-2031) & (K Units)

Table 72. Global Photonics Integrated Circuit (IC) Revenue Forecast by Application (2026-2031) & (\$ millions)

Table 73. Hewlett-Packard Company Basic Information, Photonics Integrated Circuit (IC) Manufacturing Base, Sales Area and Its Competitors

Table 74. Hewlett-Packard Company Photonics Integrated Circuit (IC) Product Portfolios and Specifications

Table 75. Hewlett-Packard Company Photonics Integrated Circuit (IC) Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 76. Hewlett-Packard Company Main Business

Table 77. Hewlett-Packard Company Latest Developments

Table 78. Ciena Corporation Basic Information, Photonics Integrated Circuit (IC) Manufacturing Base, Sales Area and Its Competitors

Table 79. Ciena Corporation Photonics Integrated Circuit (IC) Product Portfolios and Specifications

Table 80. Ciena Corporation Photonics Integrated Circuit (IC) Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 81. Ciena Corporation Main Business

Table 82. Ciena Corporation Latest Developments

Table 83. Hamamatsu Photonics K.K. Basic Information, Photonics Integrated Circuit (IC) Manufacturing Base, Sales Area and Its Competitors

Table 84. Hamamatsu Photonics K.K. Photonics Integrated Circuit (IC) Product Portfolios and Specifications

Table 85. Hamamatsu Photonics K.K. Photonics Integrated Circuit (IC) Sales (K Units),

Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 86. Hamamatsu Photonics K.K. Main Business

Table 87. Hamamatsu Photonics K.K. Latest Developments

Table 88. IBM Basic Information, Photonics Integrated Circuit (IC) Manufacturing Base, Sales Area and Its Competitors

Table 89. IBM Photonics Integrated Circuit (IC) Product Portfolios and Specifications

Table 90. IBM Photonics Integrated Circuit (IC) Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 91. IBM Main Business

Table 92. IBM Latest Developments

Table 93. NeoPhotonics Corporation Basic Information, Photonics Integrated Circuit (IC) Manufacturing Base, Sales Area and Its Competitors

Table 94. NeoPhotonics Corporation Photonics Integrated Circuit (IC) Product Portfolios and Specifications

Table 95. NeoPhotonics Corporation Photonics Integrated Circuit (IC) Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 96. NeoPhotonics Corporation Main Business

Table 97. NeoPhotonics Corporation Latest Developments

Table 98. Viavi Solutions Basic Information, Photonics Integrated Circuit (IC) Manufacturing Base, Sales Area and Its Competitors

Table 99. Viavi Solutions Photonics Integrated Circuit (IC) Product Portfolios and Specifications

Table 100. Viavi Solutions Photonics Integrated Circuit (IC) Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 101. Viavi Solutions Main Business

Table 102. Viavi Solutions Latest Developments

Table 103. 3S Photonics S.A.S Basic Information, Photonics Integrated Circuit (IC) Manufacturing Base, Sales Area and Its Competitors

Table 104. 3S Photonics S.A.S Photonics Integrated Circuit (IC) Product Portfolios and Specifications

Table 105. 3S Photonics S.A.S Photonics Integrated Circuit (IC) Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 106. 3S Photonics S.A.S Main Business

Table 107. 3S Photonics S.A.S Latest Developments

Table 108. Innolume GmbH Basic Information, Photonics Integrated Circuit (IC) Manufacturing Base, Sales Area and Its Competitors

Table 109. Innolume GmbH Photonics Integrated Circuit (IC) Product Portfolios and Specifications

Table 110. Innolume GmbH Photonics Integrated Circuit (IC) Sales (K Units), Revenue

(\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 111. Innolume GmbH Main Business

Table 112. Innolume GmbH Latest Developments

Table 113. Infinera Basic Information, Photonics Integrated Circuit (IC) Manufacturing Base, Sales Area and Its Competitors

Table 114. Infinera Photonics Integrated Circuit (IC) Product Portfolios and Specifications

Table 115. Infinera Photonics Integrated Circuit (IC) Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 116. Infinera Main Business

Table 117. Infinera Latest Developments

Table 118. Broadcom Basic Information, Photonics Integrated Circuit (IC) Manufacturing Base, Sales Area and Its Competitors

Table 119. Broadcom Photonics Integrated Circuit (IC) Product Portfolios and Specifications

Table 120. Broadcom Photonics Integrated Circuit (IC) Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 121. Broadcom Main Business

Table 122. Broadcom Latest Developments

## List Of Figures

### LIST OF FIGURES

- Figure 1. Picture of Photonics Integrated Circuit (IC)
- Figure 2. Photonics Integrated Circuit (IC) Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Photonics Integrated Circuit (IC) Sales Growth Rate 2020-2031 (K Units)
- Figure 7. Global Photonics Integrated Circuit (IC) Revenue Growth Rate 2020-2031 (\$ millions)
- Figure 8. Photonics Integrated Circuit (IC) Sales by Geographic Region (2020, 2024 & 2031) & (\$ millions)
- Figure 9. Photonics Integrated Circuit (IC) Sales Market Share by Country/Region (2024)
- Figure 10. Photonics Integrated Circuit (IC) Sales Market Share by Country/Region (2020, 2024 & 2031)
- Figure 11. Product Picture of Monolithic Integration
- Figure 12. Product Picture of Hybrid Integration
- Figure 13. Product Picture of Module Integration
- Figure 14. Global Photonics Integrated Circuit (IC) Sales Market Share by Type in 2025
- Figure 15. Global Photonics Integrated Circuit (IC) Revenue Market Share by Type (2020-2025)
- Figure 16. Photonics Integrated Circuit (IC) Consumed in Optical Communications
- Figure 17. Global Photonics Integrated Circuit (IC) Market: Optical Communications (2020-2025) & (K Units)
- Figure 18. Photonics Integrated Circuit (IC) Consumed in Sensing
- Figure 19. Global Photonics Integrated Circuit (IC) Market: Sensing (2020-2025) & (K Units)
- Figure 20. Photonics Integrated Circuit (IC) Consumed in Biophotonics
- Figure 21. Global Photonics Integrated Circuit (IC) Market: Biophotonics (2020-2025) & (K Units)
- Figure 22. Photonics Integrated Circuit (IC) Consumed in Optical Signal Processing
- Figure 23. Global Photonics Integrated Circuit (IC) Market: Optical Signal Processing (2020-2025) & (K Units)
- Figure 24. Global Photonics Integrated Circuit (IC) Sale Market Share by Application (2024)

- Figure 25. Global Photonics Integrated Circuit (IC) Revenue Market Share by Application in 2025
- Figure 26. Photonics Integrated Circuit (IC) Sales by Company in 2025 (K Units)
- Figure 27. Global Photonics Integrated Circuit (IC) Sales Market Share by Company in 2025
- Figure 28. Photonics Integrated Circuit (IC) Revenue by Company in 2025 (\$ millions)
- Figure 29. Global Photonics Integrated Circuit (IC) Revenue Market Share by Company in 2025
- Figure 30. Global Photonics Integrated Circuit (IC) Sales Market Share by Geographic Region (2020-2025)
- Figure 31. Global Photonics Integrated Circuit (IC) Revenue Market Share by Geographic Region in 2025
- Figure 32. Americas Photonics Integrated Circuit (IC) Sales 2020-2025 (K Units)
- Figure 33. Americas Photonics Integrated Circuit (IC) Revenue 2020-2025 (\$ millions)
- Figure 34. APAC Photonics Integrated Circuit (IC) Sales 2020-2025 (K Units)
- Figure 35. APAC Photonics Integrated Circuit (IC) Revenue 2020-2025 (\$ millions)
- Figure 36. Europe Photonics Integrated Circuit (IC) Sales 2020-2025 (K Units)
- Figure 37. Europe Photonics Integrated Circuit (IC) Revenue 2020-2025 (\$ millions)
- Figure 38. Middle East & Africa Photonics Integrated Circuit (IC) Sales 2020-2025 (K Units)
- Figure 39. Middle East & Africa Photonics Integrated Circuit (IC) Revenue 2020-2025 (\$ millions)
- Figure 40. Americas Photonics Integrated Circuit (IC) Sales Market Share by Country in 2025
- Figure 41. Americas Photonics Integrated Circuit (IC) Revenue Market Share by Country (2020-2025)
- Figure 42. Americas Photonics Integrated Circuit (IC) Sales Market Share by Type (2020-2025)
- Figure 43. Americas Photonics Integrated Circuit (IC) Sales Market Share by Application (2020-2025)
- Figure 44. United States Photonics Integrated Circuit (IC) Revenue Growth 2020-2025 (\$ millions)
- Figure 45. Canada Photonics Integrated Circuit (IC) Revenue Growth 2020-2025 (\$ millions)
- Figure 46. Mexico Photonics Integrated Circuit (IC) Revenue Growth 2020-2025 (\$ millions)
- Figure 47. Brazil Photonics Integrated Circuit (IC) Revenue Growth 2020-2025 (\$ millions)
- Figure 48. APAC Photonics Integrated Circuit (IC) Sales Market Share by Region in

2025

Figure 49. APAC Photonics Integrated Circuit (IC) Revenue Market Share by Region (2020-2025)

Figure 50. APAC Photonics Integrated Circuit (IC) Sales Market Share by Type (2020-2025)

Figure 51. APAC Photonics Integrated Circuit (IC) Sales Market Share by Application (2020-2025)

Figure 52. China Photonics Integrated Circuit (IC) Revenue Growth 2020-2025 (\$ millions)

Figure 53. Japan Photonics Integrated Circuit (IC) Revenue Growth 2020-2025 (\$ millions)

Figure 54. South Korea Photonics Integrated Circuit (IC) Revenue Growth 2020-2025 (\$ millions)

Figure 55. Southeast Asia Photonics Integrated Circuit (IC) Revenue Growth 2020-2025 (\$ millions)

Figure 56. India Photonics Integrated Circuit (IC) Revenue Growth 2020-2025 (\$ millions)

Figure 57. Australia Photonics Integrated Circuit (IC) Revenue Growth 2020-2025 (\$ millions)

Figure 58. China Taiwan Photonics Integrated Circuit (IC) Revenue Growth 2020-2025 (\$ millions)

Figure 59. Europe Photonics Integrated Circuit (IC) Sales Market Share by Country in 2025

Figure 60. Europe Photonics Integrated Circuit (IC) Revenue Market Share by Country (2020-2025)

Figure 61. Europe Photonics Integrated Circuit (IC) Sales Market Share by Type (2020-2025)

Figure 62. Europe Photonics Integrated Circuit (IC) Sales Market Share by Application (2020-2025)

Figure 63. Germany Photonics Integrated Circuit (IC) Revenue Growth 2020-2025 (\$ millions)

Figure 64. France Photonics Integrated Circuit (IC) Revenue Growth 2020-2025 (\$ millions)

Figure 65. UK Photonics Integrated Circuit (IC) Revenue Growth 2020-2025 (\$ millions)

Figure 66. Italy Photonics Integrated Circuit (IC) Revenue Growth 2020-2025 (\$ millions)

Figure 67. Russia Photonics Integrated Circuit (IC) Revenue Growth 2020-2025 (\$ millions)

Figure 68. Middle East & Africa Photonics Integrated Circuit (IC) Sales Market Share by

Country (2020-2025)

Figure 69. Middle East & Africa Photonics Integrated Circuit (IC) Sales Market Share by Type (2020-2025)

Figure 70. Middle East & Africa Photonics Integrated Circuit (IC) Sales Market Share by Application (2020-2025)

Figure 71. Egypt Photonics Integrated Circuit (IC) Revenue Growth 2020-2025 (\$ millions)

Figure 72. South Africa Photonics Integrated Circuit (IC) Revenue Growth 2020-2025 (\$ millions)

Figure 73. Israel Photonics Integrated Circuit (IC) Revenue Growth 2020-2025 (\$ millions)

Figure 74. Turkey Photonics Integrated Circuit (IC) Revenue Growth 2020-2025 (\$ millions)

Figure 75. GCC Countries Photonics Integrated Circuit (IC) Revenue Growth 2020-2025 (\$ millions)

Figure 76. Manufacturing Cost Structure Analysis of Photonics Integrated Circuit (IC) in 2025

Figure 77. Manufacturing Process Analysis of Photonics Integrated Circuit (IC)

Figure 78. Industry Chain Structure of Photonics Integrated Circuit (IC)

Figure 79. Channels of Distribution

Figure 80. Global Photonics Integrated Circuit (IC) Sales Market Forecast by Region (2026-2031)

Figure 81. Global Photonics Integrated Circuit (IC) Revenue Market Share Forecast by Region (2026-2031)

Figure 82. Global Photonics Integrated Circuit (IC) Sales Market Share Forecast by Type (2026-2031)

Figure 83. Global Photonics Integrated Circuit (IC) Revenue Market Share Forecast by Type (2026-2031)

Figure 84. Global Photonics Integrated Circuit (IC) Sales Market Share Forecast by Application (2026-2031)

Figure 85. Global Photonics Integrated Circuit (IC) Revenue Market Share Forecast by Application (2026-2031)

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