

Photonic IC Market - 2025-2024

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Abstracts

The Photonic IC Market was valued at USD 10,791.59 Mn in 2025 and is anticipated to reach US\$ 38.5 billion by 2024, at a CAGR of xx% from 2026 to 2032.

The report delivers in-depth insights into key market dynamics, including regional growth trends, market segmentation, CAGR projections, and the revenue performance of leading industry players. It also highlights major growth drivers shaping the market landscape. Designed to provide a clear and comprehensive perspective, the report offers a detailed view of the current market size in terms of both value and volume, along with emerging opportunities and the overall development outlook of the Photonic IC Market.

This report delivers a comprehensive overview of the Photonic IC Market, with both quantitative and qualitative analyses, to help readers develop growth strategies, assess the competitive landscape, evaluate their position in the current market, and make informed business decisions regarding Photonic IC Market. The Photonic IC Market size, estimates, and forecasts are provided in terms of output/shipments (K MT) and revenue (US\$ millions), with 2025 as the base year and historical and forecast data for 2025–2024.

Photonic IC Market Scope:

By Component

Optical Laser

Modulator

Detector

Transceivers

Attenuators

Others

By Raw Material

Lithium Niobate

Indium Phosphide

Silica-on-Silicon

Gallium Arsenide

Silicon

Quantum Dots

Silicon-on-Insulator

Others

By Integration

Hybrid

Monolithic

Module

By Application

Optical Communications

Sensing

Optical Signal Processing

BioPhotonics

By End-User

Telecommunications

Biomedical

Data Centres

Others

Key Players

Intel Corporation

Cisco Systems, Inc.

Infinera Corporation

Polariton Technologies AG

Teemphotonics

Lumentum Holdings Inc.

Luxtera, Inc.

LIGENEC SA

Acacia Communications, Inc.

Kaiam Corporation

Major Highlights

This report delivers a comprehensive overview of the Photonic IC Market, with both quantitative and qualitative analyses, to help readers develop growth strategies, assess the competitive landscape, evaluate their position in the current market, and make informed business decisions regarding Photonic IC Market. The Photonic IC Market size, estimates, and forecasts are provided in terms of output/shipments (K Sqm) and revenue (US\$ millions), with 2025 as the base year and historical and forecast data for 2025–2024.

This report will assist keyword manufacturers, new entrants, and companies across the industry value chain with information on revenues, production, and average prices for the overall market and its sub-segments, by company, by Type, by Application, and by region.

Regional Analysis:

North America (U.S., Canada, Mexico)

Europe (U.K., Italy, Germany, Russia, France, Spain, The Netherlands and Rest of Europe)

Asia-Pacific (India, Japan, China, South Korea, Australia, Indonesia Rest of Asia Pacific)

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

Middle East & Africa (Saudi Arabia, U.A.E., South Africa, Rest of Middle East & Africa)

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Target Audience 2026

Manufacturers/ Buyers

Industry Investors/Investment Bankers

Research Professionals

Emerging Companies

Contents

1. METHODOLOGY AND SCOPE

- 1.1. Research Methodology
- 1.2. Research Objective and Scope of the Report

2. DEFINITION AND OVERVIEW

3. EXECUTIVE SUMMARY

- 3.1. Snippet by Component
- 3.2. Snippet by Raw Material
- 3.3. Snippet by Integration
- 3.4. Snippet by Application
- 3.5. Snippet by End-User
- 3.6. Snippet by Region

4. DYNAMICS

- 4.1. Impacting Factors
 - 4.1.1. Drivers
 - 4.1.1.1. Increasing Demand for High-Speed Data Communication and Internet Connectivity
 - 4.1.1.2. Rise of 5G Networks and IoT Applications
 - 4.1.2. Restraints
 - 4.1.2.1. Lack of Standardization in the Common Fabrication and Process Techniques
 - 4.1.3. Opportunity
 - 4.1.4. Impact Analysis

5. INDUSTRY ANALYSIS

- 5.1. Porter's Five Force Analysis
- 5.2. Supply Chain Analysis
- 5.3. Pricing Analysis
- 5.4. Regulatory Analysis
- 5.5. Russia-Ukraine War Impact Analysis
- 5.6. DMI Opinion

6. COVID-19 ANALYSIS

6.1. Analysis of COVID-19

6.1.1. Scenario Before COVID-19

6.1.2. Scenario During COVID-19

6.1.3. Scenario Post COVID-19

6.2. Pricing Dynamics Amid COVID-19

6.3. Demand-Supply Spectrum

6.4. Government Initiatives Related to the Market During Pandemic

6.5. Manufacturers Strategic Initiatives

6.6. Conclusion

7. BY COMPONENT

7.1. Introduction

7.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Component

7.1.2. Market Attractiveness Index, By Component

7.2. Optical Laser*

7.2.1. Introduction

7.2.2. Market Size Analysis and Y-o-Y Growth Analysis (%)

7.3. Modulator

7.4. Detector

7.5. Transceivers

7.6. Attenuators

7.7. Others

8. BY RAW MATERIAL

8.1. Introduction

8.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Raw Material

8.1.2. Market Attractiveness Index, By Raw Material

8.2. Lithium Niobate*

8.2.1. Introduction

8.2.2. Market Size Analysis and Y-o-Y Growth Analysis (%)

8.3. Indium Phosphide

8.4. Silica-on-Silicon

8.5. Gallium Arsenide

8.6. Silicon

8.7. Quantum Dots

8.8. Silicon-on-Insulator

8.9. Others

9. BY INTEGRATION

9.1. Introduction

9.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Integration

9.1.2. Market Attractiveness Index, By Integration

9.2. Hybrid*

9.2.1. Introduction

9.2.2. Market Size Analysis and Y-o-Y Growth Analysis (%)

9.3. Monolithic

9.4. Module

10. BY APPLICATION

10.1. Introduction

10.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Application

10.1.2. Market Attractiveness Index, By Application

10.2. Optical Communications*

10.2.1. Introduction

10.2.2. Market Size Analysis and Y-o-Y Growth Analysis (%)

10.3. Sensing

10.4. Optical Signal Processing

10.5. BioPhotonics

11. BY END-USER

11.1. Introduction

11.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By End-User

11.1.2. Market Attractiveness Index, By End-User

11.2. Telecommunications*

11.2.1. Introduction

11.2.2. Market Size Analysis and Y-o-Y Growth Analysis (%)

11.3. Biomedical

11.4. Data Centres

11.5. Others

12. BY REGION

12.1. Introduction

12.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Region

12.1.2. Market Attractiveness Index, By Region

12.2. North America

12.2.1. Introduction

12.2.2. Key Region-Specific Dynamics

12.2.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Component

12.2.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Raw Material

12.2.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By Integration

12.2.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By Application

12.2.7. Market Size Analysis and Y-o-Y Growth Analysis (%), By End-User

12.2.8. Market Size Analysis and Y-o-Y Growth Analysis (%), By Country

12.2.8.1. U.S.

12.2.8.2. Canada

12.2.8.3. Mexico

12.3. Europe

12.3.1. Introduction

12.3.2. Key Region-Specific Dynamics

12.3.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Component

12.3.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Raw Material

12.3.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By Integration

12.3.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By Application

12.3.7. Market Size Analysis and Y-o-Y Growth Analysis (%), By End-User

12.3.8. Market Size Analysis and Y-o-Y Growth Analysis (%), By Country

12.3.8.1. Germany

12.3.8.2. UK

12.3.8.3. France

12.3.8.4. Italy

12.3.8.5. Spain

12.3.8.6. Rest of Europe

12.4. South America

12.4.1. Introduction

12.4.2. Key Region-Specific Dynamics

12.4.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Component

12.4.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Raw Material

12.4.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By Integration

12.4.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By Application

12.4.7. Market Size Analysis and Y-o-Y Growth Analysis (%), By End-User

12.4.8. Market Size Analysis and Y-o-Y Growth Analysis (%), By Country

12.4.8.1. Brazil

12.4.8.2. Argentina

12.4.8.3. Rest of South America

12.5. Asia-Pacific

12.5.1. Introduction

12.5.2. Key Region-Specific Dynamics

12.5.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Component

12.5.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Raw Material

12.5.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By Integration

12.5.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By Application

12.5.7. Market Size Analysis and Y-o-Y Growth Analysis (%), By End-User

12.5.8. Market Size Analysis and Y-o-Y Growth Analysis (%), By Country

12.5.8.1. China

12.5.8.2. India

12.5.8.3. Japan

12.5.8.4. Australia

12.5.8.5. Rest of Asia-Pacific

12.6. Middle East and Africa

12.6.1. Introduction

12.6.2. Key Region-Specific Dynamics

12.6.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Component

12.6.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Raw Material

12.6.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By Integration

12.6.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By Application

12.6.7. Market Size Analysis and Y-o-Y Growth Analysis (%), By End-User

13. COMPETITIVE LANDSCAPE

13.1. Competitive Scenario

13.2. Market Positioning/Share Analysis

13.3. Mergers and Acquisitions Analysis

14. COMPANY PROFILES

14.1. Intel Corporation*

14.1.1. Company Overview

14.1.2. Product Portfolio and Description

14.1.3. Financial Overview

- 14.1.4. Key Developments
- 14.2. Cisco Systems, Inc.
- 14.3. Infinera Corporation
- 14.4. Polariton Technologies AG
- 14.5. Teemphotonics
- 14.6. Lumentum Holdings Inc.
- 14.7. Luxtera, Inc.
- 14.8. LIGENTEC SA
- 14.9. Acacia Communications, Inc.
- 14.10. Kaiam Corporation (LIST NOT EXHAUSTIVE)

15. APPENDIX

- 15.1. About Us and Services
- 15.2. Contact Us

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