

Global Photonic IC Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Photonic IC market size is expected to reach \$ 8060 million by 2032, rising at a market growth of 20.5% CAGR during the forecast period (2026-2032).

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.

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 studies the global Photonic IC production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Photonic IC and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Photonic IC that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Photonic IC total production and demand, 2021-2032, (K Units)

Global Photonic IC total production value, 2021-2032, (USD Million)

Global Photonic IC production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Photonic IC consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Photonic IC domestic production, consumption, key domestic manufacturers and share

Global Photonic IC production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Photonic IC production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Photonic IC production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Photonic 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 Infinera, Alcatel-Lucent, Avago, NeoPhotonics, HUAWEI, Cisco, Ciena, Intel, Oclaro, JDS Uniphase, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Photonic IC market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (USD/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Photonic IC Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Photonic IC Market, Segmentation by Type:

Monolithic Integration

Hybrid Integration

Module Integration

Global Photonic IC Market, Segmentation by Application:

Optical Communication

Sensing

Biophotonics

Others

Companies Profiled:

Infinera

Alcatel-Lucent

Avago

NeoPhotonics

HUAWEI

Cisco

Ciena

Intel

Oclaro

JDS Uniphase

Finisar

Luxtera

Mellanox

OneChip

Key Questions Answered:

1. How big is the global Photonic IC market?
2. What is the demand of the global Photonic IC market?
3. What is the year over year growth of the global Photonic IC market?
4. What is the production and production value of the global Photonic IC market?
5. Who are the key producers in the global Photonic IC market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Photonic IC Introduction
- 1.2 World Photonic IC Supply & Forecast
 - 1.2.1 World Photonic IC Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Photonic IC Production (2021-2032)
 - 1.2.3 World Photonic IC Pricing Trends (2021-2032)
- 1.3 World Photonic IC Production by Region (Based on Production Site)
 - 1.3.1 World Photonic IC Production Value by Region (2021-2032)
 - 1.3.2 World Photonic IC Production by Region (2021-2032)
 - 1.3.3 World Photonic IC Average Price by Region (2021-2032)
 - 1.3.4 North America Photonic IC Production (2021-2032)
 - 1.3.5 Europe Photonic IC Production (2021-2032)
 - 1.3.6 Middle East & Africa Photonic IC Production (2021-2032)
 - 1.3.7 Japan Photonic IC Production (2021-2032)
 - 1.3.8 China Photonic IC Production (2021-2032)
 - 1.3.9 South Korea Photonic IC Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Photonic IC Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Photonic IC Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Photonic IC Demand (2021-2032)
- 2.2 World Photonic IC Consumption by Region
 - 2.2.1 World Photonic IC Consumption by Region (2021-2026)
 - 2.2.2 World Photonic IC Consumption Forecast by Region (2027-2032)
- 2.3 United States Photonic IC Consumption (2021-2032)
- 2.4 China Photonic IC Consumption (2021-2032)
- 2.5 Europe Photonic IC Consumption (2021-2032)
- 2.6 Japan Photonic IC Consumption (2021-2032)
- 2.7 South Korea Photonic IC Consumption (2021-2032)
- 2.8 ASEAN Photonic IC Consumption (2021-2032)
- 2.9 India Photonic IC Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Photonic IC Production Value by Manufacturer (2021-2026)
- 3.2 World Photonic IC Production by Manufacturer (2021-2026)
- 3.3 World Photonic IC Average Price by Manufacturer (2021-2026)
- 3.4 Photonic IC Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Photonic IC Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Photonic IC in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for Photonic IC in 2025
- 3.6 Photonic IC Market: Overall Company Footprint Analysis
 - 3.6.1 Photonic IC Market: Region Footprint
 - 3.6.2 Photonic IC Market: Company Product Type Footprint
 - 3.6.3 Photonic IC Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: Photonic IC Production Value Comparison
 - 4.1.1 United States VS China: Photonic IC Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: Photonic IC Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: Photonic IC Production Comparison
 - 4.2.1 United States VS China: Photonic IC Production Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: Photonic IC Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: Photonic IC Consumption Comparison
 - 4.3.1 United States VS China: Photonic IC Consumption Comparison (2021 & 2025 & 2032)
 - 4.3.2 United States VS China: Photonic IC Consumption Market Share Comparison (2021 & 2025 & 2032)
- 4.4 United States Based Photonic IC Manufacturers and Market Share, 2021-2026
 - 4.4.1 United States Based Photonic IC Manufacturers, Headquarters and Production

Site (States, Country)

4.4.2 United States Based Manufacturers Photonic IC Production Value (2021-2026)

4.4.3 United States Based Manufacturers Photonic IC Production (2021-2026)

4.5 China Based Photonic IC Manufacturers and Market Share

4.5.1 China Based Photonic IC Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Photonic IC Production Value (2021-2026)

4.5.3 China Based Manufacturers Photonic IC Production (2021-2026)

4.6 Rest of World Based Photonic IC Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Photonic IC Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Photonic IC Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Photonic IC Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Photonic IC Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Monolithic Integration

5.2.2 Hybrid Integration

5.2.3 Module Integration

5.3 Market Segment by Type

5.3.1 World Photonic IC Production by Type (2021-2032)

5.3.2 World Photonic IC Production Value by Type (2021-2032)

5.3.3 World Photonic IC Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY APPLICATION

6.1 World Photonic IC Market Size Overview by Application: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Application

6.2.1 Optical Communication

6.2.2 Sensing

6.2.3 Biophotonics

6.2.4 Others

6.3 Market Segment by Application

6.3.1 World Photonic IC Production by Application (2021-2032)

6.3.2 World Photonic IC Production Value by Application (2021-2032)

6.3.3 World Photonic IC Average Price by Application (2021-2032)

7 COMPANY PROFILES

7.1 Infinera

7.1.1 Infinera Details

7.1.2 Infinera Major Business

7.1.3 Infinera Photonic IC Product and Services

7.1.4 Infinera Photonic IC Production, Price, Value, Gross Margin and Market Share (2021-2026)

7.1.5 Infinera Recent Developments/Updates

7.1.6 Infinera Competitive Strengths & Weaknesses

7.2 Alcatel-Lucent

7.2.1 Alcatel-Lucent Details

7.2.2 Alcatel-Lucent Major Business

7.2.3 Alcatel-Lucent Photonic IC Product and Services

7.2.4 Alcatel-Lucent Photonic IC Production, Price, Value, Gross Margin and Market Share (2021-2026)

7.2.5 Alcatel-Lucent Recent Developments/Updates

7.2.6 Alcatel-Lucent Competitive Strengths & Weaknesses

7.3 Avago

7.3.1 Avago Details

7.3.2 Avago Major Business

7.3.3 Avago Photonic IC Product and Services

7.3.4 Avago Photonic IC Production, Price, Value, Gross Margin and Market Share (2021-2026)

7.3.5 Avago Recent Developments/Updates

7.3.6 Avago Competitive Strengths & Weaknesses

7.4 NeoPhotonics

7.4.1 NeoPhotonics Details

7.4.2 NeoPhotonics Major Business

7.4.3 NeoPhotonics Photonic IC Product and Services

7.4.4 NeoPhotonics Photonic IC Production, Price, Value, Gross Margin and Market Share (2021-2026)

7.4.5 NeoPhotonics Recent Developments/Updates

7.4.6 NeoPhotonics Competitive Strengths & Weaknesses

7.5 HUAWEI

7.5.1 HUAWEI Details

7.5.2 HUAWEI Major Business

7.5.3 HUAWEI Photonic IC Product and Services

7.5.4 HUAWEI Photonic IC Production, Price, Value, Gross Margin and Market Share

(2021-2026)

7.5.5 HUAWEI Recent Developments/Updates

7.5.6 HUAWEI Competitive Strengths & Weaknesses

7.6 Cisco

7.6.1 Cisco Details

7.6.2 Cisco Major Business

7.6.3 Cisco Photonic IC Product and Services

7.6.4 Cisco Photonic IC Production, Price, Value, Gross Margin and Market Share

(2021-2026)

7.6.5 Cisco Recent Developments/Updates

7.6.6 Cisco Competitive Strengths & Weaknesses

7.7 Ciena

7.7.1 Ciena Details

7.7.2 Ciena Major Business

7.7.3 Ciena Photonic IC Product and Services

7.7.4 Ciena Photonic IC Production, Price, Value, Gross Margin and Market Share

(2021-2026)

7.7.5 Ciena Recent Developments/Updates

7.7.6 Ciena Competitive Strengths & Weaknesses

7.8 Intel

7.8.1 Intel Details

7.8.2 Intel Major Business

7.8.3 Intel Photonic IC Product and Services

7.8.4 Intel Photonic IC Production, Price, Value, Gross Margin and Market Share

(2021-2026)

7.8.5 Intel Recent Developments/Updates

7.8.6 Intel Competitive Strengths & Weaknesses

7.9 Oclaro

7.9.1 Oclaro Details

7.9.2 Oclaro Major Business

7.9.3 Oclaro Photonic IC Product and Services

7.9.4 Oclaro Photonic IC Production, Price, Value, Gross Margin and Market Share

(2021-2026)

7.9.5 Oclaro Recent Developments/Updates

7.9.6 Oclaro Competitive Strengths & Weaknesses

7.10 JDS Uniphase

7.10.1 JDS Uniphase Details

7.10.2 JDS Uniphase Major Business

7.10.3 JDS Uniphase Photonic IC Product and Services

- 7.10.4 JDS Uniphase Photonic IC Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 7.10.5 JDS Uniphase Recent Developments/Updates
- 7.10.6 JDS Uniphase Competitive Strengths & Weaknesses
- 7.11 Finisar
 - 7.11.1 Finisar Details
 - 7.11.2 Finisar Major Business
 - 7.11.3 Finisar Photonic IC Product and Services
 - 7.11.4 Finisar Photonic IC Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 7.11.5 Finisar Recent Developments/Updates
 - 7.11.6 Finisar Competitive Strengths & Weaknesses
- 7.12 Luxtera
 - 7.12.1 Luxtera Details
 - 7.12.2 Luxtera Major Business
 - 7.12.3 Luxtera Photonic IC Product and Services
 - 7.12.4 Luxtera Photonic IC Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 7.12.5 Luxtera Recent Developments/Updates
 - 7.12.6 Luxtera Competitive Strengths & Weaknesses
- 7.13 Mellanox
 - 7.13.1 Mellanox Details
 - 7.13.2 Mellanox Major Business
 - 7.13.3 Mellanox Photonic IC Product and Services
 - 7.13.4 Mellanox Photonic IC Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 7.13.5 Mellanox Recent Developments/Updates
 - 7.13.6 Mellanox Competitive Strengths & Weaknesses
- 7.14 OneChip
 - 7.14.1 OneChip Details
 - 7.14.2 OneChip Major Business
 - 7.14.3 OneChip Photonic IC Product and Services
 - 7.14.4 OneChip Photonic IC Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 7.14.5 OneChip Recent Developments/Updates
 - 7.14.6 OneChip Competitive Strengths & Weaknesses

8 INDUSTRY CHAIN ANALYSIS

- 8.1 Photonic IC Industry Chain
- 8.2 Photonic IC Upstream Analysis
 - 8.2.1 Photonic IC Core Raw Materials
 - 8.2.2 Main Manufacturers of Photonic IC Core Raw Materials
- 8.3 Midstream Analysis
- 8.4 Downstream Analysis
- 8.5 Photonic IC Production Mode
- 8.6 Photonic IC Procurement Model
- 8.7 Photonic IC Industry Sales Model and Sales Channels
 - 8.7.1 Photonic IC Sales Model
 - 8.7.2 Photonic IC Typical Distributors

9 RESEARCH FINDINGS AND CONCLUSION

10 APPENDIX

- 10.1 Methodology
- 10.2 Research Process and Data Source
- 10.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Photonic IC Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Photonic IC Production Value by Region (2021-2026) & (USD Million)

Table 3. World Photonic IC Production Value by Region (2027-2032) & (USD Million)

Table 4. World Photonic IC Production Value Market Share by Region (2021-2026)

Table 5. World Photonic IC Production Value Market Share by Region (2027-2032)

Table 6. World Photonic IC Production by Region (2021-2026) & (K Units)

Table 7. World Photonic IC Production by Region (2027-2032) & (K Units)

Table 8. World Photonic IC Production Market Share by Region (2021-2026)

Table 9. World Photonic IC Production Market Share by Region (2027-2032)

Table 10. World Photonic IC Average Price by Region (2021-2026) & (USD/Unit)

Table 11. World Photonic IC Average Price by Region (2027-2032) & (USD/Unit)

Table 12. Photonic IC Major Market Trends

Table 13. World Photonic IC Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (K Units)

Table 14. World Photonic IC Consumption by Region (2021-2026) & (K Units)

Table 15. World Photonic IC Consumption Forecast by Region (2027-2032) & (K Units)

Table 16. World Photonic IC Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Photonic IC Producers in 2025

Table 18. World Photonic IC Production by Manufacturer (2021-2026) & (K Units)

Table 19. Production Market Share of Key Photonic IC Producers in 2025

Table 20. World Photonic IC Average Price by Manufacturer (2021-2026) & (USD/Unit)

Table 21. Global Photonic IC Company Evaluation Quadrant

Table 22. World Photonic IC Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Photonic IC Production Site of Key Manufacturer

Table 24. Photonic IC Market: Company Product Type Footprint

Table 25. Photonic IC Market: Company Product Application Footprint

Table 26. Photonic IC Competitive Factors

Table 27. Photonic IC New Entrant and Capacity Expansion Plans

Table 28. Photonic IC Mergers & Acquisitions Activity

Table 29. United States VS China Photonic IC Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Photonic IC Production Comparison, (2021 & 2025 &

2032) & (K Units)

Table 31. United States VS China Photonic IC Consumption Comparison, (2021 & 2025 & 2032) & (K Units)

Table 32. United States Based Photonic IC Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Photonic IC Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Photonic IC Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Photonic IC Production (2021-2026) & (K Units)

Table 36. United States Based Manufacturers Photonic IC Production Market Share (2021-2026)

Table 37. China Based Photonic IC Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Photonic IC Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Photonic IC Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Photonic IC Production, (2021-2026) & (K Units)

Table 41. China Based Manufacturers Photonic IC Production Market Share (2021-2026)

Table 42. Rest of World Based Photonic IC Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Photonic IC Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Photonic IC Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Photonic IC Production, (2021-2026) & (K Units)

Table 46. Rest of World Based Manufacturers Photonic IC Production Market Share (2021-2026)

Table 47. World Photonic IC Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Photonic IC Production by Type (2021-2026) & (K Units)

Table 49. World Photonic IC Production by Type (2027-2032) & (K Units)

Table 50. World Photonic IC Production Value by Type (2021-2026) & (USD Million)

Table 51. World Photonic IC Production Value by Type (2027-2032) & (USD Million)

Table 52. World Photonic IC Average Price by Type (2021-2026) & (USD/Unit)

- Table 53. World Photonic IC Average Price by Type (2027-2032) & (USD/Unit)
- Table 54. World Photonic IC Production Value by Application, (USD Million), 2021 & 2025 & 2032
- Table 55. World Photonic IC Production by Application (2021-2026) & (K Units)
- Table 56. World Photonic IC Production by Application (2027-2032) & (K Units)
- Table 57. World Photonic IC Production Value by Application (2021-2026) & (USD Million)
- Table 58. World Photonic IC Production Value by Application (2027-2032) & (USD Million)
- Table 59. World Photonic IC Average Price by Application (2021-2026) & (USD/Unit)
- Table 60. World Photonic IC Average Price by Application (2027-2032) & (USD/Unit)
- Table 61. Infinera Basic Information, Manufacturing Base and Competitors
- Table 62. Infinera Major Business
- Table 63. Infinera Photonic IC Product and Services
- Table 64. Infinera Photonic IC Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 65. Infinera Recent Developments/Updates
- Table 66. Infinera Competitive Strengths & Weaknesses
- Table 67. Alcatel-Lucent Basic Information, Manufacturing Base and Competitors
- Table 68. Alcatel-Lucent Major Business
- Table 69. Alcatel-Lucent Photonic IC Product and Services
- Table 70. Alcatel-Lucent Photonic IC Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 71. Alcatel-Lucent Recent Developments/Updates
- Table 72. Alcatel-Lucent Competitive Strengths & Weaknesses
- Table 73. Avago Basic Information, Manufacturing Base and Competitors
- Table 74. Avago Major Business
- Table 75. Avago Photonic IC Product and Services
- Table 76. Avago Photonic IC Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 77. Avago Recent Developments/Updates
- Table 78. Avago Competitive Strengths & Weaknesses
- Table 79. NeoPhotonics Basic Information, Manufacturing Base and Competitors
- Table 80. NeoPhotonics Major Business
- Table 81. NeoPhotonics Photonic IC Product and Services
- Table 82. NeoPhotonics Photonic IC Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 83. NeoPhotonics Recent Developments/Updates
- Table 84. NeoPhotonics Competitive Strengths & Weaknesses

- Table 85. HUAWEI Basic Information, Manufacturing Base and Competitors
- Table 86. HUAWEI Major Business
- Table 87. HUAWEI Photonic IC Product and Services
- Table 88. HUAWEI Photonic IC Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 89. HUAWEI Recent Developments/Updates
- Table 90. HUAWEI Competitive Strengths & Weaknesses
- Table 91. Cisco Basic Information, Manufacturing Base and Competitors
- Table 92. Cisco Major Business
- Table 93. Cisco Photonic IC Product and Services
- Table 94. Cisco Photonic IC Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 95. Cisco Recent Developments/Updates
- Table 96. Cisco Competitive Strengths & Weaknesses
- Table 97. Ciena Basic Information, Manufacturing Base and Competitors
- Table 98. Ciena Major Business
- Table 99. Ciena Photonic IC Product and Services
- Table 100. Ciena Photonic IC Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 101. Ciena Recent Developments/Updates
- Table 102. Ciena Competitive Strengths & Weaknesses
- Table 103. Intel Basic Information, Manufacturing Base and Competitors
- Table 104. Intel Major Business
- Table 105. Intel Photonic IC Product and Services
- Table 106. Intel Photonic IC Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 107. Intel Recent Developments/Updates
- Table 108. Intel Competitive Strengths & Weaknesses
- Table 109. Oclaro Basic Information, Manufacturing Base and Competitors
- Table 110. Oclaro Major Business
- Table 111. Oclaro Photonic IC Product and Services
- Table 112. Oclaro Photonic IC Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 113. Oclaro Recent Developments/Updates
- Table 114. Oclaro Competitive Strengths & Weaknesses
- Table 115. JDS Uniphase Basic Information, Manufacturing Base and Competitors
- Table 116. JDS Uniphase Major Business
- Table 117. JDS Uniphase Photonic IC Product and Services
- Table 118. JDS Uniphase Photonic IC Production (K Units), Price (USD/Unit),

Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 119. JDS Uniphase Recent Developments/Updates

Table 120. JDS Uniphase Competitive Strengths & Weaknesses

Table 121. Finisar Basic Information, Manufacturing Base and Competitors

Table 122. Finisar Major Business

Table 123. Finisar Photonic IC Product and Services

Table 124. Finisar Photonic IC Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 125. Finisar Recent Developments/Updates

Table 126. Finisar Competitive Strengths & Weaknesses

Table 127. Luxtera Basic Information, Manufacturing Base and Competitors

Table 128. Luxtera Major Business

Table 129. Luxtera Photonic IC Product and Services

Table 130. Luxtera Photonic IC Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 131. Luxtera Recent Developments/Updates

Table 132. Luxtera Competitive Strengths & Weaknesses

Table 133. Mellanox Basic Information, Manufacturing Base and Competitors

Table 134. Mellanox Major Business

Table 135. Mellanox Photonic IC Product and Services

Table 136. Mellanox Photonic IC Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 137. Mellanox Recent Developments/Updates

Table 138. Mellanox Competitive Strengths & Weaknesses

Table 139. OneChip Basic Information, Manufacturing Base and Competitors

Table 140. OneChip Major Business

Table 141. OneChip Photonic IC Product and Services

Table 142. OneChip Photonic IC Production (K Units), Price (USD/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 143. OneChip Recent Developments/Updates

Table 144. OneChip Competitive Strengths & Weaknesses

Table 145. Global Key Players of Photonic IC Upstream (Raw Materials)

Table 146. Global Photonic IC Typical Customers

Table 147. Photonic IC Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Photonic IC Picture

Figure 2. World Photonic IC Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Photonic IC Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Photonic IC Production (2021-2032) & (K Units)

Figure 5. World Photonic IC Average Price (2021-2032) & (USD/Unit)

Figure 6. World Photonic IC Production Value Market Share by Region (2021-2032)

Figure 7. World Photonic IC Production Market Share by Region (2021-2032)

Figure 8. North America Photonic IC Production (2021-2032) & (K Units)

Figure 9. Europe Photonic IC Production (2021-2032) & (K Units)

Figure 10. Middle East & Africa Photonic IC Production (2021-2032) & (K Units)

Figure 11. Japan Photonic IC Production (2021-2032) & (K Units)

Figure 12. China Photonic IC Production (2021-2032) & (K Units)

Figure 13. South Korea Photonic IC Production (2021-2032) & (K Units)

Figure 14. Photonic IC Market Drivers

Figure 15. Factors Affecting Demand

Figure 16. World Photonic IC Consumption (2021-2032) & (K Units)

Figure 17. World Photonic IC Consumption Market Share by Region (2021-2032)

Figure 18. United States Photonic IC Consumption (2021-2032) & (K Units)

Figure 19. China Photonic IC Consumption (2021-2032) & (K Units)

Figure 20. Europe Photonic IC Consumption (2021-2032) & (K Units)

Figure 21. Japan Photonic IC Consumption (2021-2032) & (K Units)

Figure 22. South Korea Photonic IC Consumption (2021-2032) & (K Units)

Figure 23. ASEAN Photonic IC Consumption (2021-2032) & (K Units)

Figure 24. India Photonic IC Consumption (2021-2032) & (K Units)

Figure 25. Producer Shipments of Photonic IC by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 26. Global Four-firm Concentration Ratios (CR4) for Photonic IC Markets in 2025

Figure 27. Global Four-firm Concentration Ratios (CR8) for Photonic IC Markets in 2025

Figure 28. United States VS China: Photonic IC Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States VS China: Photonic IC Production Market Share Comparison (2021 & 2025 & 2032)

Figure 30. United States VS China: Photonic IC Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 31. United States Based Manufacturers Photonic IC Production Market Share 2025

Figure 32. China Based Manufacturers Photonic IC Production Market Share 2025

Figure 33. Rest of World Based Manufacturers Photonic IC Production Market Share 2025

Figure 34. World Photonic IC Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 35. World Photonic IC Production Value Market Share by Type in 2025

Figure 36. Monolithic Integration

Figure 37. Hybrid Integration

Figure 38. Module Integration

Figure 39. World Photonic IC Production Market Share by Type (2021-2032)

Figure 40. World Photonic IC Production Value Market Share by Type (2021-2032)

Figure 41. World Photonic IC Average Price by Type (2021-2032) & (USD/Unit)

Figure 42. World Photonic IC Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 43. World Photonic IC Production Value Market Share by Application in 2025

Figure 44. Optical Communication

Figure 45. Sensing

Figure 46. Biophotonics

Figure 47. Others

Figure 48. World Photonic IC Production Market Share by Application (2021-2032)

Figure 49. World Photonic IC Production Value Market Share by Application (2021-2032)

Figure 50. World Photonic IC Average Price by Application (2021-2032) & (USD/Unit)

Figure 51. Photonic IC Industry Chain

Figure 52. Photonic IC Procurement Model

Figure 53. Photonic IC Sales Model

Figure 54. Photonic IC Sales Channels, Direct Sales, and Distribution

Figure 55. Methodology

Figure 56. Research Process and Data Source

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