

# Global Silicon Photonic Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G5C58C3FA2D5EN.html>

Date: July 2026

Pages: 142

Price: US\$ 4,480.00 (Single User License)

ID: G5C58C3FA2D5EN

## Abstracts

The global Silicon Photonic market size is expected to reach \$ 12839 million by 2032, rising at a market growth of 17.5% CAGR during the forecast period (2026-2032).

Silicon Photonic technology is a low-cost, high-speed optical communication technology based on silicon photonics. It uses CMOS microelectronics technology based on silicon materials to realize the integrated preparation of photonic devices. This technology combines the ultra-large-scale logic and ultra-high precision of CMOS technology. The characteristics of manufacturing and the advantages of ultra-high speed and ultra-low power consumption of photonic technology. Silicon photonics technology shrinks and integrates a large number of optical and electrical components that were originally separate devices into an independent microchip, achieving high integration, low cost, and high-speed optical transmission.

The silicon photonics market has emerged as a transformative force in high-speed data communication, driven by its ability to integrate optical components with traditional semiconductor technologies on a single chip. Major global players such as Intel, Cisco, Lumentum, MACOM, and Marvell dominate the industry, collectively accounting for over 80% of the market share. This consolidation reflects the high barriers to entry in terms of capital, fabrication capabilities, and intellectual property. North America leads the global market, holding the largest regional share at approximately 26%, largely due to the presence of key tech companies and data center infrastructure. Europe and Asia-Pacific follow, with growing investments in telecom and AI infrastructure fueling regional adoption.

Among product categories, transceivers represent the vast majority of silicon photonics revenue, underscoring the technology's primary role in enabling high-bandwidth optical

communication. These transceivers are crucial in meeting the ever-increasing data demands of hyperscale data centers, 5G infrastructure, and cloud computing platforms. In terms of application, the market is heavily weighted toward datacom, which makes up around 80% of use cases. The need for faster, more energy-efficient data transmission is driving the replacement of legacy copper interconnects with photonic alternatives. As chip-to-chip and rack-to-rack connectivity becomes more central to data center performance, silicon photonics stands out as a scalable and cost-effective solution.

Several long-term drivers are expected to sustain the momentum of the silicon photonics market. These include the exponential growth of data generated by AI, machine learning, and IoT applications, as well as the transition to next-generation network architectures. In addition, silicon photonics aligns well with the trend toward co-packaged optics (CPO), where optical and electronic components are tightly integrated to improve bandwidth density and reduce power consumption. On the manufacturing side, leveraging existing CMOS processes helps lower costs and facilitate mass production, although packaging and testing remain complex. Technological advances in modulators, detectors, and laser integration are also pushing the performance envelope, creating new opportunities in sensing, LiDAR, and biomedical applications beyond traditional telecom and datacom.

This report studies the global Silicon Photonic demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for Silicon Photonic, 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 Silicon Photonic that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Silicon Photonic total market, 2021-2032, (USD Million)

Global Silicon Photonic total market by region & country, CAGR, 2021-2032, (USD Million)

U.S. VS China: Silicon Photonic total market, key domestic companies, and share, (USD Million)

Global Silicon Photonic revenue by player, revenue and market share 2021-2026, (USD Million)

Global Silicon Photonic total market by Type, CAGR, 2021-2032, (USD Million)

## Global Silicon Photonic total market by Application, CAGR, 2021-2032, (USD Million)

This report profiles major players in the global Silicon Photonic market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Intel, Cisco, Lumentum (NeoPhotonics), MACOM, Marvell, Nokia, Coherent (II-VI), Accelink Technologies, SiFotonics, Hengtong Optic-Electric, 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 Silicon Photonic market

### Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), by player, by regions, 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 Silicon Photonic Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

### Global Silicon Photonic Market, Segmentation by Type:

Transceiver

Circuits

Others

### Global Silicon Photonic Market, Segmentation by Rate:

?100G

200G?400G

800G

Others

### Global Silicon Photonic Market, Segmentation by Technical Route:

SiPh

InP

Others

### Global Silicon Photonic Market, Segmentation by Application:

Datacom

Telecom

Others

### Companies Profiled:

Intel

Cisco

Lumentum (NeoPhotonics)

MACOM

Marvell

Nokia

Coherent (II-VI)

Accelink Technologies

SiFotonics

Hengtong Optic-Electric

Eoptolink

Broadex Technologies

Sicoya

QXP Technologies

Silux Technologies

Huagong Tech

InnoLight

### Key Questions Answered

1. How big is the global Silicon Photonic market?
2. What is the demand of the global Silicon Photonic market?
3. What is the year over year growth of the global Silicon Photonic market?

4. What is the total value of the global Silicon Photonic market?
5. Who are the Major Players in the global Silicon Photonic market?
6. What are the growth factors driving the market demand?

## Contents

### 1 SUPPLY SUMMARY

- 1.1 Silicon Photonic Introduction
- 1.2 World Silicon Photonic Market Size & Forecast (2021 & 2025 & 2032)
- 1.3 World Silicon Photonic Total Market by Region (by Headquarter Location)
  - 1.3.1 World Silicon Photonic Market Size by Region (2021-2032), (by Headquarter Location)
  - 1.3.2 United States Based Company Silicon Photonic Revenue (2021-2032)
  - 1.3.3 China Based Company Silicon Photonic Revenue (2021-2032)
  - 1.3.4 Europe Based Company Silicon Photonic Revenue (2021-2032)
  - 1.3.5 Japan Based Company Silicon Photonic Revenue (2021-2032)
  - 1.3.6 South Korea Based Company Silicon Photonic Revenue (2021-2032)
  - 1.3.7 ASEAN Based Company Silicon Photonic Revenue (2021-2032)
  - 1.3.8 India Based Company Silicon Photonic Revenue (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 Silicon Photonic Market Drivers
  - 1.4.2 Factors Affecting Demand
  - 1.4.3 Major Market Trends

### 2 DEMAND SUMMARY

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

### 3 WORLD SILICON PHOTONIC COMPANIES COMPETITIVE ANALYSIS

- 3.1 World Silicon Photonic Revenue by Player (2021-2026)
- 3.2 Industry Rank and Concentration Rate (CR)

- 3.2.1 Global Silicon Photonic Industry Rank of Major Players
- 3.2.2 Global Concentration Ratios (CR4) for Silicon Photonic in 2025
- 3.2.3 Global Concentration Ratios (CR8) for Silicon Photonic in 2025
- 3.3 Silicon Photonic Company Evaluation Quadrant
- 3.4 Silicon Photonic Market: Overall Company Footprint Analysis
  - 3.4.1 Silicon Photonic Market: Region Footprint
  - 3.4.2 Silicon Photonic Market: Company Product Type Footprint
  - 3.4.3 Silicon Photonic Market: Company Product Application Footprint
- 3.5 Competitive Environment
  - 3.5.1 Historical Structure of the Industry
  - 3.5.2 Barriers of Market Entry
  - 3.5.3 Factors of Competition
- 3.6 Mergers & Acquisitions Activity

## **4 UNITED STATES VS CHINA VS REST OF WORLD (BY HEADQUARTER LOCATION)**

- 4.1 United States VS China: Silicon Photonic Revenue Comparison (by Headquarter Location)
  - 4.1.1 United States VS China: Silicon Photonic Revenue Comparison (2021 & 2025 & 2032) (by Headquarter Location)
  - 4.1.2 United States VS China: Silicon Photonic Revenue Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States Based Companies VS China Based Companies: Silicon Photonic Consumption Value Comparison
  - 4.2.1 United States VS China: Silicon Photonic Consumption Value Comparison (2021 & 2025 & 2032)
  - 4.2.2 United States VS China: Silicon Photonic Consumption Value Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States Based Silicon Photonic Companies and Market Share, 2021-2026
  - 4.3.1 United States Based Silicon Photonic Companies, Headquarters (States, Country)
  - 4.3.2 United States Based Companies Silicon Photonic Revenue, (2021-2026)
- 4.4 China Based Companies Silicon Photonic Revenue and Market Share, 2021-2026
  - 4.4.1 China Based Silicon Photonic Companies, Company Headquarters (Province, Country)
  - 4.4.2 China Based Companies Silicon Photonic Revenue, (2021-2026)
- 4.5 Rest of World Based Silicon Photonic Companies and Market Share, 2021-2026
  - 4.5.1 Rest of World Based Silicon Photonic Companies, Headquarters (Province,

Country)

4.5.2 Rest of World Based Companies Silicon Photonic Revenue (2021-2026)

## **5 MARKET ANALYSIS BY TYPE**

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

5.2 Segment Introduction by Type

5.2.1 Transceiver

5.2.2 Circuits

5.2.3 Others

5.3 Market Segment by Type

5.3.1 World Silicon Photonic Market Size by Type (2021-2026)

5.3.2 World Silicon Photonic Market Size by Type (2027-2032)

5.3.3 World Silicon Photonic Market Size Market Share by Type (2027-2032)

## **6 MARKET ANALYSIS BY RATE**

6.1 World Silicon Photonic Market Size Overview by Rate: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Rate

6.2.1 ?100G

6.2.2 200G?400G

6.2.3 800G

6.2.4 Others

6.3 Market Segment by Rate

6.3.1 World Silicon Photonic Market Size by Rate (2021-2026)

6.3.2 World Silicon Photonic Market Size by Rate (2027-2032)

6.3.3 World Silicon Photonic Market Size Market Share by Rate (2027-2032)

## **7 MARKET ANALYSIS BY TECHNICAL ROUTE**

7.1 World Silicon Photonic Market Size Overview by Technical Route: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Technical Route

7.2.1 SiPh

7.2.2 InP

7.2.3 Others

7.3 Market Segment by Technical Route

7.3.1 World Silicon Photonic Market Size by Technical Route (2021-2026)

7.3.2 World Silicon Photonic Market Size by Technical Route (2027-2032)

### 7.3.3 World Silicon Photonic Market Size Market Share by Technical Route (2027-2032)

## **8 MARKET ANALYSIS BY APPLICATION**

### 8.1 World Silicon Photonic Market Size Overview by Application: 2021 VS 2025 VS 2032

#### 8.2 Segment Introduction by Application

##### 8.2.1 Datacom

##### 8.2.2 Telecom

##### 8.2.3 Others

#### 8.3 Market Segment by Application

##### 8.3.1 World Silicon Photonic Market Size by Application (2021-2026)

##### 8.3.2 World Silicon Photonic Market Size by Application (2027-2032)

##### 8.3.3 World Silicon Photonic Market Size Market Share by Application (2021-2032)

## **9 COMPANY PROFILES**

### 9.1 Intel

#### 9.1.1 Intel Details

#### 9.1.2 Intel Major Business

#### 9.1.3 Intel Silicon Photonic Product and Services

#### 9.1.4 Intel Silicon Photonic Revenue, Gross Margin and Market Share (2021-2026)

#### 9.1.5 Intel Recent Developments/Updates

#### 9.1.6 Intel Competitive Strengths & Weaknesses

### 9.2 Cisco

#### 9.2.1 Cisco Details

#### 9.2.2 Cisco Major Business

#### 9.2.3 Cisco Silicon Photonic Product and Services

#### 9.2.4 Cisco Silicon Photonic Revenue, Gross Margin and Market Share (2021-2026)

#### 9.2.5 Cisco Recent Developments/Updates

#### 9.2.6 Cisco Competitive Strengths & Weaknesses

### 9.3 Lumentum (NeoPhotonics)

#### 9.3.1 Lumentum (NeoPhotonics) Details

#### 9.3.2 Lumentum (NeoPhotonics) Major Business

#### 9.3.3 Lumentum (NeoPhotonics) Silicon Photonic Product and Services

#### 9.3.4 Lumentum (NeoPhotonics) Silicon Photonic Revenue, Gross Margin and Market Share (2021-2026)

#### 9.3.5 Lumentum (NeoPhotonics) Recent Developments/Updates

### 9.3.6 Lumentum (NeoPhotonics) Competitive Strengths & Weaknesses

## 9.4 MACOM

### 9.4.1 MACOM Details

### 9.4.2 MACOM Major Business

### 9.4.3 MACOM Silicon Photonic Product and Services

### 9.4.4 MACOM Silicon Photonic Revenue, Gross Margin and Market Share

(2021-2026)

### 9.4.5 MACOM Recent Developments/Updates

### 9.4.6 MACOM Competitive Strengths & Weaknesses

## 9.5 Marvell

### 9.5.1 Marvell Details

### 9.5.2 Marvell Major Business

### 9.5.3 Marvell Silicon Photonic Product and Services

### 9.5.4 Marvell Silicon Photonic Revenue, Gross Margin and Market Share (2021-2026)

### 9.5.5 Marvell Recent Developments/Updates

### 9.5.6 Marvell Competitive Strengths & Weaknesses

## 9.6 Nokia

### 9.6.1 Nokia Details

### 9.6.2 Nokia Major Business

### 9.6.3 Nokia Silicon Photonic Product and Services

### 9.6.4 Nokia Silicon Photonic Revenue, Gross Margin and Market Share (2021-2026)

### 9.6.5 Nokia Recent Developments/Updates

### 9.6.6 Nokia Competitive Strengths & Weaknesses

## 9.7 Coherent (II-VI)

### 9.7.1 Coherent (II-VI) Details

### 9.7.2 Coherent (II-VI) Major Business

### 9.7.3 Coherent (II-VI) Silicon Photonic Product and Services

### 9.7.4 Coherent (II-VI) Silicon Photonic Revenue, Gross Margin and Market Share

(2021-2026)

### 9.7.5 Coherent (II-VI) Recent Developments/Updates

### 9.7.6 Coherent (II-VI) Competitive Strengths & Weaknesses

## 9.8 Accelink Technologies

### 9.8.1 Accelink Technologies Details

### 9.8.2 Accelink Technologies Major Business

### 9.8.3 Accelink Technologies Silicon Photonic Product and Services

### 9.8.4 Accelink Technologies Silicon Photonic Revenue, Gross Margin and Market

Share (2021-2026)

### 9.8.5 Accelink Technologies Recent Developments/Updates

### 9.8.6 Accelink Technologies Competitive Strengths & Weaknesses

## 9.9 SiFotonics

### 9.9.1 SiFotonics Details

### 9.9.2 SiFotonics Major Business

### 9.9.3 SiFotonics Silicon Photonic Product and Services

### 9.9.4 SiFotonics Silicon Photonic Revenue, Gross Margin and Market Share (2021-2026)

### 9.9.5 SiFotonics Recent Developments/Updates

### 9.9.6 SiFotonics Competitive Strengths & Weaknesses

## 9.10 Hengtong Optic-Electric

### 9.10.1 Hengtong Optic-Electric Details

### 9.10.2 Hengtong Optic-Electric Major Business

### 9.10.3 Hengtong Optic-Electric Silicon Photonic Product and Services

### 9.10.4 Hengtong Optic-Electric Silicon Photonic Revenue, Gross Margin and Market Share (2021-2026)

### 9.10.5 Hengtong Optic-Electric Recent Developments/Updates

### 9.10.6 Hengtong Optic-Electric Competitive Strengths & Weaknesses

## 9.11 Eoptolink

### 9.11.1 Eoptolink Details

### 9.11.2 Eoptolink Major Business

### 9.11.3 Eoptolink Silicon Photonic Product and Services

### 9.11.4 Eoptolink Silicon Photonic Revenue, Gross Margin and Market Share (2021-2026)

### 9.11.5 Eoptolink Recent Developments/Updates

### 9.11.6 Eoptolink Competitive Strengths & Weaknesses

## 9.12 Broadex Technologies

### 9.12.1 Broadex Technologies Details

### 9.12.2 Broadex Technologies Major Business

### 9.12.3 Broadex Technologies Silicon Photonic Product and Services

### 9.12.4 Broadex Technologies Silicon Photonic Revenue, Gross Margin and Market Share (2021-2026)

### 9.12.5 Broadex Technologies Recent Developments/Updates

### 9.12.6 Broadex Technologies Competitive Strengths & Weaknesses

## 9.13 Sicoya

### 9.13.1 Sicoya Details

### 9.13.2 Sicoya Major Business

### 9.13.3 Sicoya Silicon Photonic Product and Services

### 9.13.4 Sicoya Silicon Photonic Revenue, Gross Margin and Market Share (2021-2026)

### 9.13.5 Sicoya Recent Developments/Updates

### 9.13.6 Sicoya Competitive Strengths & Weaknesses

#### 9.14 QXP Technologies

##### 9.14.1 QXP Technologies Details

##### 9.14.2 QXP Technologies Major Business

##### 9.14.3 QXP Technologies Silicon Photonic Product and Services

##### 9.14.4 QXP Technologies Silicon Photonic Revenue, Gross Margin and Market Share (2021-2026)

##### 9.14.5 QXP Technologies Recent Developments/Updates

##### 9.14.6 QXP Technologies Competitive Strengths & Weaknesses

#### 9.15 Silux Technologies

##### 9.15.1 Silux Technologies Details

##### 9.15.2 Silux Technologies Major Business

##### 9.15.3 Silux Technologies Silicon Photonic Product and Services

##### 9.15.4 Silux Technologies Silicon Photonic Revenue, Gross Margin and Market Share (2021-2026)

##### 9.15.5 Silux Technologies Recent Developments/Updates

##### 9.15.6 Silux Technologies Competitive Strengths & Weaknesses

#### 9.16 Huagong Tech

##### 9.16.1 Huagong Tech Details

##### 9.16.2 Huagong Tech Major Business

##### 9.16.3 Huagong Tech Silicon Photonic Product and Services

##### 9.16.4 Huagong Tech Silicon Photonic Revenue, Gross Margin and Market Share (2021-2026)

##### 9.16.5 Huagong Tech Recent Developments/Updates

##### 9.16.6 Huagong Tech Competitive Strengths & Weaknesses

#### 9.17 InnoLight

##### 9.17.1 InnoLight Details

##### 9.17.2 InnoLight Major Business

##### 9.17.3 InnoLight Silicon Photonic Product and Services

##### 9.17.4 InnoLight Silicon Photonic Revenue, Gross Margin and Market Share (2021-2026)

##### 9.17.5 InnoLight Recent Developments/Updates

##### 9.17.6 InnoLight Competitive Strengths & Weaknesses

## 10 INDUSTRY CHAIN ANALYSIS

### 10.1 Silicon Photonic Industry Chain

### 10.2 Silicon Photonic Upstream Analysis

### 10.3 Silicon Photonic Midstream Analysis

### 10.4 Silicon Photonic Downstream Analysis

## **11 RESEARCH FINDINGS AND CONCLUSION**

## **12 APPENDIX**

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. World Silicon Photonic Revenue by Region (2021, 2025 and 2032) & (USD Million), (by Headquarter Location)

Table 2. World Silicon Photonic Revenue by Region (2021-2026) & (USD Million), (by Headquarter Location)

Table 3. World Silicon Photonic Revenue by Region (2027-2032) & (USD Million), (by Headquarter Location)

Table 4. World Silicon Photonic Revenue Market Share by Region (2021-2026), (by Headquarter Location)

Table 5. World Silicon Photonic Revenue Market Share by Region (2027-2032), (by Headquarter Location)

Table 6. Major Market Trends

Table 7. World Silicon Photonic Consumption Value Growth Rate Forecast by Region (2021 & 2025 & 2032) & (USD Million)

Table 8. World Silicon Photonic Consumption Value by Region (2021-2026) & (USD Million)

Table 9. World Silicon Photonic Consumption Value Forecast by Region (2027-2032) & (USD Million)

Table 10. World Silicon Photonic Revenue by Player (2021-2026) & (USD Million)

Table 11. Revenue Market Share of Key Silicon Photonic Players in 2025

Table 12. World Silicon Photonic Industry Rank of Major Player, Based on Revenue in 2025

Table 13. Global Silicon Photonic Company Evaluation Quadrant

Table 14. Head Office of Key Silicon Photonic Players

Table 15. Silicon Photonic Market: Company Product Type Footprint

Table 16. Silicon Photonic Market: Company Product Application Footprint

Table 17. Silicon Photonic Mergers & Acquisitions Activity

Table 18. United States VS China Silicon Photonic Revenue Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 19. United States VS China Silicon Photonic Consumption Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 20. United States Based Silicon Photonic Companies, Headquarters (States, Country)

Table 21. United States Based Companies Silicon Photonic Revenue, (2021-2026) & (USD Million)

Table 22. United States Based Companies Silicon Photonic Revenue Market Share

(2021-2026)

Table 23. China Based Silicon Photonic Companies, Headquarters (Province, Country)

Table 24. China Based Companies Silicon Photonic Revenue, (2021-2026) & (USD Million)

Table 25. China Based Companies Silicon Photonic Revenue Market Share (2021-2026)

Table 26. Rest of World Based Silicon Photonic Companies, Headquarters (Province, Country)

Table 27. Rest of World Based Companies Silicon Photonic Revenue (2021-2026) & (USD Million)

Table 28. Rest of World Based Companies Silicon Photonic Revenue Market Share (2021-2026)

Table 29. World Silicon Photonic Market Size by Type, (USD Million), 2021 & 2025 & 2032

Table 30. World Silicon Photonic Market Size Value by Type (2021-2026) & (USD Million)

Table 31. World Silicon Photonic Market Size by Type (2027-2032) & (USD Million)

Table 32. World Silicon Photonic Market Size by Rate, (USD Million), 2021 & 2025 & 2032

Table 33. World Silicon Photonic Market Size Value by Rate (2021-2026) & (USD Million)

Table 34. World Silicon Photonic Market Size by Rate (2027-2032) & (USD Million)

Table 35. World Silicon Photonic Market Size by Technical Route, (USD Million), 2021 & 2025 & 2032

Table 36. World Silicon Photonic Market Size Value by Technical Route (2021-2026) & (USD Million)

Table 37. World Silicon Photonic Market Size by Technical Route (2027-2032) & (USD Million)

Table 38. World Silicon Photonic Market Size by Application, (USD Million), 2021 & 2025 & 2032

Table 39. World Silicon Photonic Market Size by Application (2021-2026) & (USD Million)

Table 40. World Silicon Photonic Market Size by Application (2027-2032) & (USD Million)

Table 41. Intel Basic Information, Manufacturing Base and Competitors

Table 42. Intel Major Business

Table 43. Intel Silicon Photonic Product and Services

Table 44. Intel Silicon Photonic Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

|                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------|
| Table 45. Intel Recent Developments/Updates                                                                           |
| Table 46. Intel Competitive Strengths & Weaknesses                                                                    |
| Table 47. Cisco Basic Information, Manufacturing Base and Competitors                                                 |
| Table 48. Cisco Major Business                                                                                        |
| Table 49. Cisco Silicon Photonic Product and Services                                                                 |
| Table 50. Cisco Silicon Photonic Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)                   |
| Table 51. Cisco Recent Developments/Updates                                                                           |
| Table 52. Cisco Competitive Strengths & Weaknesses                                                                    |
| Table 53. Lumentum (NeoPhotonics) Basic Information, Manufacturing Base and Competitors                               |
| Table 54. Lumentum (NeoPhotonics) Major Business                                                                      |
| Table 55. Lumentum (NeoPhotonics) Silicon Photonic Product and Services                                               |
| Table 56. Lumentum (NeoPhotonics) Silicon Photonic Revenue, Gross Margin and Market Share (2021-2026) & (USD Million) |
| Table 57. Lumentum (NeoPhotonics) Recent Developments/Updates                                                         |
| Table 58. Lumentum (NeoPhotonics) Competitive Strengths & Weaknesses                                                  |
| Table 59. MACOM Basic Information, Manufacturing Base and Competitors                                                 |
| Table 60. MACOM Major Business                                                                                        |
| Table 61. MACOM Silicon Photonic Product and Services                                                                 |
| Table 62. MACOM Silicon Photonic Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)                   |
| Table 63. MACOM Recent Developments/Updates                                                                           |
| Table 64. MACOM Competitive Strengths & Weaknesses                                                                    |
| Table 65. Marvell Basic Information, Manufacturing Base and Competitors                                               |
| Table 66. Marvell Major Business                                                                                      |
| Table 67. Marvell Silicon Photonic Product and Services                                                               |
| Table 68. Marvell Silicon Photonic Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)                 |
| Table 69. Marvell Recent Developments/Updates                                                                         |
| Table 70. Marvell Competitive Strengths & Weaknesses                                                                  |
| Table 71. Nokia Basic Information, Manufacturing Base and Competitors                                                 |
| Table 72. Nokia Major Business                                                                                        |
| Table 73. Nokia Silicon Photonic Product and Services                                                                 |
| Table 74. Nokia Silicon Photonic Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)                   |
| Table 75. Nokia Recent Developments/Updates                                                                           |
| Table 76. Nokia Competitive Strengths & Weaknesses                                                                    |
| Table 77. Coherent?(II-VI) Basic Information, Manufacturing Base and Competitors                                      |

|                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------|
| Table 78. Coherent?(II-VI) Major Business                                                                             |
| Table 79. Coherent?(II-VI) Silicon Photonic Product and Services                                                      |
| Table 80. Coherent?(II-VI) Silicon Photonic Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)        |
| Table 81. Coherent?(II-VI) Recent Developments/Updates                                                                |
| Table 82. Coherent?(II-VI) Competitive Strengths & Weaknesses                                                         |
| Table 83. Accelink Technologies Basic Information, Manufacturing Base and Competitors                                 |
| Table 84. Accelink Technologies Major Business                                                                        |
| Table 85. Accelink Technologies Silicon Photonic Product and Services                                                 |
| Table 86. Accelink Technologies Silicon Photonic Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)   |
| Table 87. Accelink Technologies Recent Developments/Updates                                                           |
| Table 88. Accelink Technologies Competitive Strengths & Weaknesses                                                    |
| Table 89. SiFotonics Basic Information, Manufacturing Base and Competitors                                            |
| Table 90. SiFotonics Major Business                                                                                   |
| Table 91. SiFotonics Silicon Photonic Product and Services                                                            |
| Table 92. SiFotonics Silicon Photonic Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)              |
| Table 93. SiFotonics Recent Developments/Updates                                                                      |
| Table 94. SiFotonics Competitive Strengths & Weaknesses                                                               |
| Table 95. Hengtong Optic-Electric Basic Information, Manufacturing Base and Competitors                               |
| Table 96. Hengtong Optic-Electric Major Business                                                                      |
| Table 97. Hengtong Optic-Electric Silicon Photonic Product and Services                                               |
| Table 98. Hengtong Optic-Electric Silicon Photonic Revenue, Gross Margin and Market Share (2021-2026) & (USD Million) |
| Table 99. Hengtong Optic-Electric Recent Developments/Updates                                                         |
| Table 100. Hengtong Optic-Electric Competitive Strengths & Weaknesses                                                 |
| Table 101. Eoptolink Basic Information, Manufacturing Base and Competitors                                            |
| Table 102. Eoptolink Major Business                                                                                   |
| Table 103. Eoptolink Silicon Photonic Product and Services                                                            |
| Table 104. Eoptolink Silicon Photonic Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)              |
| Table 105. Eoptolink Recent Developments/Updates                                                                      |
| Table 106. Eoptolink Competitive Strengths & Weaknesses                                                               |
| Table 107. Broadex Technologies Basic Information, Manufacturing Base and Competitors                                 |
| Table 108. Broadex Technologies Major Business                                                                        |

|                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------|
| Table 109. Broadex Technologies Silicon Photonic Product and Services                                               |
| Table 110. Broadex Technologies Silicon Photonic Revenue, Gross Margin and Market Share (2021-2026) & (USD Million) |
| Table 111. Broadex Technologies Recent Developments/Updates                                                         |
| Table 112. Broadex Technologies Competitive Strengths & Weaknesses                                                  |
| Table 113. Sicoya Basic Information, Manufacturing Base and Competitors                                             |
| Table 114. Sicoya Major Business                                                                                    |
| Table 115. Sicoya Silicon Photonic Product and Services                                                             |
| Table 116. Sicoya Silicon Photonic Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)               |
| Table 117. Sicoya Recent Developments/Updates                                                                       |
| Table 118. Sicoya Competitive Strengths & Weaknesses                                                                |
| Table 119. QXP Technologies Basic Information, Manufacturing Base and Competitors                                   |
| Table 120. QXP Technologies Major Business                                                                          |
| Table 121. QXP Technologies Silicon Photonic Product and Services                                                   |
| Table 122. QXP Technologies Silicon Photonic Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)     |
| Table 123. QXP Technologies Recent Developments/Updates                                                             |
| Table 124. QXP Technologies Competitive Strengths & Weaknesses                                                      |
| Table 125. Silux Technologies Basic Information, Manufacturing Base and Competitors                                 |
| Table 126. Silux Technologies Major Business                                                                        |
| Table 127. Silux Technologies Silicon Photonic Product and Services                                                 |
| Table 128. Silux Technologies Silicon Photonic Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)   |
| Table 129. Silux Technologies Recent Developments/Updates                                                           |
| Table 130. Silux Technologies Competitive Strengths & Weaknesses                                                    |
| Table 131. Huagong Tech Basic Information, Manufacturing Base and Competitors                                       |
| Table 132. Huagong Tech Major Business                                                                              |
| Table 133. Huagong Tech Silicon Photonic Product and Services                                                       |
| Table 134. Huagong Tech Silicon Photonic Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)         |
| Table 135. Huagong Tech Recent Developments/Updates                                                                 |
| Table 136. Huagong Tech Competitive Strengths & Weaknesses                                                          |
| Table 137. InnoLight Basic Information, Manufacturing Base and Competitors                                          |
| Table 138. InnoLight Major Business                                                                                 |
| Table 139. InnoLight Silicon Photonic Product and Services                                                          |
| Table 140. InnoLight Silicon Photonic Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)            |
| Table 141. InnoLight Recent Developments/Updates                                                                    |

Table 142. InnoLight Competitive Strengths & Weaknesses

Table 143. Global Key Players of Silicon Photonic Upstream (Raw Materials)

Table 144. Global Silicon Photonic Typical Customers

## List Of Figures

### LIST OF FIGURES

Figure 1. Silicon Photonic Picture

Figure 2. World Silicon Photonic Total Revenue: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Silicon Photonic Total Revenue (2021-2032) & (USD Million)

Figure 4. World Silicon Photonic Revenue by Region (2021, 2025 and 2032) & (USD Million), (by Headquarter Location)

Figure 5. World Silicon Photonic Revenue Market Share by Region (2021-2032), (by Headquarter Location)

Figure 6. United States Based Company Silicon Photonic Revenue (2021-2032) & (USD Million)

Figure 7. China Based Company Silicon Photonic Revenue (2021-2032) & (USD Million)

Figure 8. Europe Based Company Silicon Photonic Revenue (2021-2032) & (USD Million)

Figure 9. Japan Based Company Silicon Photonic Revenue (2021-2032) & (USD Million)

Figure 10. South Korea Based Company Silicon Photonic Revenue (2021-2032) & (USD Million)

Figure 11. ASEAN Based Company Silicon Photonic Revenue (2021-2032) & (USD Million)

Figure 12. India Based Company Silicon Photonic Revenue (2021-2032) & (USD Million)

Figure 13. Silicon Photonic Market Drivers

Figure 14. Factors Affecting Demand

Figure 15. World Silicon Photonic Consumption Value (2021-2032) & (USD Million)

Figure 16. World Silicon Photonic Consumption Value Market Share by Region (2021-2032)

Figure 17. United States Silicon Photonic Consumption Value (2021-2032) & (USD Million)

Figure 18. China Silicon Photonic Consumption Value (2021-2032) & (USD Million)

Figure 19. Europe Silicon Photonic Consumption Value (2021-2032) & (USD Million)

Figure 20. Japan Silicon Photonic Consumption Value (2021-2032) & (USD Million)

Figure 21. South Korea Silicon Photonic Consumption Value (2021-2032) & (USD Million)

Figure 22. ASEAN Silicon Photonic Consumption Value (2021-2032) & (USD Million)

Figure 23. India Silicon Photonic Consumption Value (2021-2032) & (USD Million)

Figure 24. Producer Shipments of Silicon Photonic by Player Revenue (\$MM) and Market Share (%): 2025

Figure 25. Global Four-firm Concentration Ratios (CR4) for Silicon Photonic Markets in 2025

Figure 26. Global Four-firm Concentration Ratios (CR8) for Silicon Photonic Markets in 2025

Figure 27. United States VS China: Silicon Photonic Revenue Market Share Comparison (2021 & 2025 & 2032)

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

Figure 29. World Silicon Photonic Market Size by Type, (USD Million), 2021 & 2025 & 2032

Figure 30. World Silicon Photonic Market Size Market Share by Type in 2025

Figure 31. Transceiver

Figure 32. Circuits

Figure 33. Others

Figure 34. World Silicon Photonic Market Size Market Share by Type (2021-2032)

Figure 35. World Silicon Photonic Market Size by Rate, (USD Million), 2021 & 2025 & 2032

Figure 36. World Silicon Photonic Market Size Market Share by Rate in 2025

Figure 37. <100G

Figure 38. 200G-400G

Figure 39. 800G

Figure 40. Others

Figure 41. World Silicon Photonic Market Size Market Share by Rate (2021-2032)

Figure 42. World Silicon Photonic Market Size by Technical Route, (USD Million), 2021 & 2025 & 2032

Figure 43. World Silicon Photonic Market Size Market Share by Technical Route in 2025

Figure 44. SiPh

Figure 45. InP

Figure 46. Others

Figure 47. World Silicon Photonic Market Size Market Share by Technical Route (2021-2032)

Figure 48. World Silicon Photonic Market Size by Application, (USD Million), 2021 & 2025 & 2032

Figure 49. World Silicon Photonic Market Size Market Share by Application in 2025

Figure 50. Datacom

Figure 51. Telecom

Figure 52. Others

Figure 53. World Silicon Photonic Market Size Market Share by Application (2021-2032)

Figure 54. Silicon Photonic Industrial Chain

Figure 55. Methodology

Figure 56. Research Process and Data Source

## I would like to order

Product name: Global Silicon Photonic Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/G5C58C3FA2D5EN.html>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G5C58C3FA2D5EN.html>