

# Global Silicon Photonics Market Survey and Trend Research 2018

<https://marketpublishers.com/r/GC791F9D092EN.html>

Date: December 2017

Pages: 97

Price: US\$ 2,600.00 (Single User License)

ID: GC791F9D092EN

## Abstracts

### Summary

Silicon photonics is the study and application of photonic systems which use silicon as an optical medium. The silicon is usually patterned with sub-micrometre precision, into microphotonic components. These operate in the infrared, most commonly at the 1.55 micrometre wavelength used by most fiber optic telecommunication systems.[6] The silicon typically lies on top of a layer of silica in what (by analogy with a similar construction in microelectronics) is known as silicon on insulator (SOI).

This report describes the development of the industry by upstream & downstream, industry overall and development, key companies, as well as type segment & market application and so on, and makes a scientific prediction for the development industry prospects on the basis of analysis, finally, analyzes opportunities for investment in the industry at the end of the report.

### Industry Chain

Raw Materials

Cost

Technology

Consumer Preference

Industry Overall:

History

Development & Trend

Market Competition

Trade Overview

Policy

Region (North America, Europe, Asia-Pacific, South America, Middle East, Africa):

Regional Market

Production Development

Sales

Regional Trade

Regional Forecast

Company (Intel Corporation, Mellanox technologies, Luxtera Inc, IBM Corporation, Cisco Systems, Cisco Systems, Hamamatsu Photonics, STMicroelectronics, Infinera Corporation, Finisar Corporation, Luxtera Inc, DAS Photonics, Aurrion Inc etc.):

Company Profile

Product & Service

Business Operation Data

Market Share

## Investment Analysis:

Market Features

Investment Opportunity

Investment Calculation

## Contents

### **PART 1 INDUSTRY OVERVIEW**

- 1.1 Silicon Photonics Industry
  - 1.1.1 Definition
  - 1.1.2 Industry Trend
- 1.2 Industry Chain
  - 1.2.1 Upstream
  - 1.2.2 Technology
  - 1.2.3 Cost Structure
  - 1.2.4 Consumer Preference
  - 1.2.2 Downstream

### **PART 2 INDUSTRY OVERALL**

- 2.1 Industry History
- 2.2 Development Prospect
- 2.3 Competition Structure
- 2.4 Relevant Policy
- 2.5 Trade Overview

### **PART 3 SILICON PHOTONICS MARKET BY PRODUCT**

- 3.1 Products List of Major Companies
- 3.2 Market Size
- 3.3 Market Forecast

### **4 KEY COMPANIES LIST**

- 4.1 Intel Corporation (Company Overview, Sales Data etc.)
  - 4.1.1 Company Overview
  - 4.1.2 Products and Services
  - 4.1.3 Business Analysis
- 4.2 Mellanox technologies (Company Overview, Sales Data etc.)
  - 4.2.1 Company Overview
  - 4.2.2 Products and Services
  - 4.2.3 Business Analysis
- 4.3 Luxtera Inc (Company Overview, Sales Data etc.)

- 4.3.1 Company Overview
- 4.3.2 Products and Services
- 4.3.3 Business Analysis
- 4.4 IBM Corporation (Company Overview, Sales Data etc.)
  - 4.4.1 Company Overview
  - 4.4.2 Products and Services
  - 4.4.3 Business Analysis
- 4.5 Cisco Systems (Company Overview, Sales Data etc.)
  - 4.5.1 Company Overview
  - 4.5.2 Products and Services
  - 4.5.3 Business Analysis
- 4.6 Cisco Systems (Company Overview, Sales Data etc.)
  - 4.6.1 Company Overview
  - 4.6.2 Products and Services
  - 4.6.3 Business Analysis
- 4.7 Hamamatsu Photonics (Company Overview, Sales Data etc.)
  - 4.7.1 Company Overview
  - 4.7.2 Products and Services
  - 4.7.3 Business Analysis
- 4.8 STMicroelectronics (Company Overview, Sales Data etc.)
  - 4.8.1 Company Overview
  - 4.8.2 Products and Services
  - 4.8.3 Business Analysis
- 4.9 Infinera Corporation (Company Overview, Sales Data etc.)
  - 4.9.1 Company Overview
  - 4.9.2 Products and Services
  - 4.9.3 Business Analysis
- 4.10 Finisar Corporation (Company Overview, Sales Data etc.)
  - 4.10.1 Company Overview
  - 4.10.2 Products and Services
  - 4.10.3 Business Analysis
- 4.11 Luxtera Inc (Company Overview, Sales Data etc.)
- 4.12 DAS Photonics (Company Overview, Sales Data etc.)
- 4.13 Aurrion Inc (Company Overview, Sales Data etc.)

## **PART 5 MARKET COMPETITION**

- 5.1 Companies Competition
- 5.2 Industry Competition Structure Analysis

- 5.2.1 Rivalry
- 5.2.2 Threat of New Entrants
- 5.2.3 Substitutes
- 5.2.4 Bargaining Power of Suppliers
- 5.2.5 Bargaining Power of Buyers

## **PART 6 MARKET DEMAND BY SEGMENT**

- 6.1 Demand Situation
  - 6.1.1 Industry Application Status
  - 6.1.2 Industry SWOT Analysis
    - 6.1.2.1 Strengths
    - 6.1.2.2 Weaknesses
    - 6.1.2.3 Opportunities
    - 6.1.2.4 Threats
- 6.2 Major Customer Survey
- 6.3 Demand Forecast

## **PART 7 REGION OPERATION**

- 7.1 Regional Market
- 7.2 Production and Sales by Region
  - 7.2.1 Production
  - 7.2.2 Sales
  - 7.2.3 Trade
- 7.3 Regional Forecast

## **PART 8 MARKET INVESTMENT**

- 8.1 Market Features
  - 8.1.1 Product Features
  - 8.1.2 Price Features
  - 8.1.3 Channel Features
  - 8.1.4 Purchasing Features
- 8.2 Investment Opportunity
  - 8.2.1 Regional Investment Opportunity
  - 8.2.2 Industry Investment Opportunity
- 8.3 Investment Calculation
  - 8.3.1 Cost Calculation

8.3.2 Revenue Calculation

8.3.3 Economic Performance Evaluation

## **PART 9 CONCLUSION**

## List Of Tables

### LIST OF TABLES

Table GLOBAL SILICON PHOTONICS MARKET 2012-2017, BY TYPE, IN USD MILLION

Table Global Silicon Photonics Market 2012-2017, by Type, in Volume

Table Global Silicon Photonics Market Forecast 2018-2023, by Type, in USD Million

Table Global Silicon Photonics Market Forecast 2018-2023, by Type, in Volume

Table Intel Corporation Overview List

Table Silicon Photonics Business Operation of Intel Corporation (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table Mellanox technologies Overview List

Table Silicon Photonics Business Operation of Mellanox technologies (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table Luxtera Inc Overview List

Table Silicon Photonics Business Operation of Luxtera Inc (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table IBM Corporation Overview List

Table Silicon Photonics Business Operation of IBM Corporation (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table Cisco Systems Overview List

Table Silicon Photonics Business Operation of Cisco Systems (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table Cisco Systems Overview List

Table Silicon Photonics Business Operation of Cisco Systems (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table Hamamatsu Photonics Overview List

Table Silicon Photonics Business Operation of Hamamatsu Photonics (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table STMicroelectronics Overview List

Table Silicon Photonics Business Operation of STMicroelectronics (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table Infinera Corporation Overview List

Table Silicon Photonics Business Operation of Infinera Corporation (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table Finisar Corporation Overview List

Table Silicon Photonics Business Operation of Finisar Corporation (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)



Table Luxtera Inc Overview List

Table Silicon Photonics Business Operation of Luxtera Inc (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table DAS Photonics Overview List

Table Silicon Photonics Business Operation of DAS Photonics (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table Aurrion Inc Overview List

Table Silicon Photonics Business Operation of Aurrion Inc (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table Global Silicon Photonics Sales Revenue 2012-2017, by Companies, in USD Million

Table Global Silicon Photonics Sales Revenue Share, by Companies, in USD Million

Table Global Silicon Photonics Sales Volume 2012-2017, by Companies, in Volume

Table Global Silicon Photonics Sales Revenue Share, by Companies in 2017, in Volume

Table Silicon Photonics Demand 2012-2017, by Application, in USD Million

Table Silicon Photonics Demand 2012-2017, by Application, in Volume

Table Silicon Photonics Demand Forecast 2018-2023, by Application, in USD Million

Table Silicon Photonics Demand Forecast 2018-2023, by Application, in Volume

Table Global Silicon Photonics Market 2012-2017, by Region, in USD Million

Table Global Silicon Photonics Market 2012-2017, by Region, in Volume

Table Silicon Photonics Market Forecast 2018-2023, by Region, in USD Million

Table Silicon Photonics Market Forecast 2018-2023, by Region, in Volume

## List Of Figures

### LIST OF FIGURES

Figure Silicon Photonics Industry Chain Structure

Figure Global Silicon Photonics Market Growth 2012-2017, by Type, in USD Million

Figure Global Silicon Photonics Market Growth 2012-2017, by Type, in Volume

Figure Global Silicon Photonics Sales Revenue Share, by Companies in 2017, in USD Million

Figure Global Silicon Photonics Sales Volume Share 2012-2017, by Companies, in Volume

Figure Production Development by Region

Figure Sales List by Region

## I would like to order

Product name: Global Silicon Photonics Market Survey and Trend Research 2018

Product link: <https://marketpublishers.com/r/GC791F9D092EN.html>

Price: US\$ 2,600.00 (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/GC791F9D092EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970