

Global and United States Silicon Photonics Market Research by Company, Type & Application 2013-2025

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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).

Market Segment as follows:

By Type

Optical Waveguides

Optical Modulators

Photodetectors

Wavelength-Division Multiplexing (WDM) Filters

By Application

IT & Telecommunications

Consumer Electronics

Healthcare & Life Sciences

Defense and Security

Commercial

Others

By Company

Intel Corporation

Mellanox technologies

Luxtera Inc

IBM Corporation

Molex Inc

Cisco Systems

Hamamatsu Photonics

STMicroelectronics

Infinera Corporation

Finisar Corporation

Luxtera Inc

DAS Photonics

Aurion Inc

The main contents of the report including:

Section 1:

Product definition, type and application, global and United States market overview;

Section 2:

Global and United States Market competition by company;

Section 3:

Global and United States sales revenue, volume and price by type;

Section 4:

Global and United States sales revenue, volume and price by application;

Section 5:

United States export and import;

Section 6:

Company information, business overview, sales data and product specifications;

Section 7:

Industry chain and raw materials;

Section 8:

SWOT and Porter's Five Forces;

Section 9:

Conclusion.

Contents

1 MARKET OVERVIEW

1.1 Market Segment Overview

1.1.1 Product Definition

1.1.2 Market by Type

1.1.2.1 Optical Waveguides

1.1.2.2 Optical Modulators

1.1.2.3 Photodetectors

1.1.2.4 Wavelength-Division Multiplexing (WDM) Filters

1.1.3 Market by Application

1.1.3.1 IT & Telecommunications

1.1.3.2 Consumer Electronics

1.1.3.3 Healthcare & Life Sciences

1.1.3.4 Defense and Security

1.1.3.5 Commercial

1.1.3.6 Others

1.2 Global and Regional Market Size

1.2.1 Global Overview

1.2.2 United States Overview

2 GLOBAL AND REGIONAL MARKET BY COMPANY

2.1 Global

2.1.1 Global Sales by Company

2.1.2 Global Price by Company

2.2 United States

2.2.1 United States Sales by Company

2.2.2 United States Price by Company

3 GLOBAL AND REGIONAL MARKET BY TYPE

3.1 Global

3.1.1 Global Sales by Type

3.1.2 Global Price by Type

3.2 United States

3.2.1 United States Sales by Type

3.2.2 United States Price by Type

4 GLOBAL AND REGIONAL MARKET BY APPLICATION

4.1 Global

4.1.1 Global Sales by Application

4.1.2 Global Price by Application

4.2 United States

4.2.1 United States Sales by Application

4.2.2 United States Price by Application

5 REGIONAL TRADE

5.1 Export

5.2 Import

6 KEY MANUFACTURERS

6.1 Intel Corporation

6.1.2 Company Information

6.1.2 Product Specifications

6.1.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

6.2 Mellanox technologies

6.2.1 Company Information

6.2.2 Product Specifications

6.2.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

6.3 Luxtera Inc

6.3.1 Company Information

6.3.2 Product Specifications

6.3.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

6.4 IBM Corporation

6.4.1 Company Information

6.4.2 Product Specifications

6.4.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

6.5 Molex Inc

6.5.1 Company Information

6.5.2 Product Specifications

6.5.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

6.6 Cisco Systems

6.6.1 Company Information

6.6.2 Product Specifications

6.6.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

6.7 Hamamatsu Photonics

6.7.1 Company Information

6.7.2 Product Specifications

6.7.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

6.8 STMicroelectronics

6.8.1 Company Information

6.8.2 Product Specifications

6.8.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

6.9 Infinera Corporation

6.9.1 Company Information

6.9.2 Product Specifications

6.9.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

6.10 Finisar Corporation

6.10.1 Company Information

6.10.2 Product Specifications

6.10.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

6.11 Luxtera Inc

6.12 DAS Photonics

6.13 Aurrion Inc

7 INDUSTRY UPSTREAM

7.1 Industry Chain

7.2 Raw Materials

8 MARKET ENVIRONMENT

8.1 SWOT

8.2 Porter's Five Forces

9 CONCLUSION

List Of Tables

LIST OF TABLES

Table Global Market Sales Revenue by Company 2013-2017
Table Global Market Sales Revenue Share by Company 2013-2017
Table Global Market Sales Volume by Company 2013-2017
Table Global Market Sales Volume Share by Company 2013-2017
Table Global Price by Company 2013-2017
Table United States Market Sales Revenue by Company 2013-2017
Table United States Market Sales Revenue Share by Company 2013-2017
Table United States Market Sales Volume by Company 2013-2017
Table United States Market Sales Volume Share by Company 2013-2017
Table United States Price by Company 2013-2017
Table Global Market Sales Revenue by Type 2013-2017
Table Global Market Sales Revenue Share by Type 2013-2017
Table Global Market Sales Volume by Type 2013-2017
Table Global Market Sales Volume Share by Type 2013-2017
Table Global Price by Type 2013-2017
Table United States Market Sales Revenue by Type 2013-2017
Table United States Market Sales Revenue Share by Type 2013-2017
Table United States Market Sales Volume by Type 2013-2017
Table United States Market Sales Volume Share by Type 2013-2017
Table United States Price by Type 2013-2017
Table Global Market Sales Revenue by Application 2013-2017
Table Global Market Sales Revenue Share by Application 2013-2017
Table Global Market Sales Volume by Application 2013-2017
Table Global Market Sales Volume Share by Application 2013-2017
Table Global Price by Application 2013-2017
Table United States Market Sales Revenue by Application 2013-2017
Table United States Market Sales Revenue Share by Application 2013-2017
Table United States Market Sales Volume by Application 2013-2017
Table United States Market Sales Volume Share by Application 2013-2017
Table United States Price by Application 2013-2017
Table United States Export 2013-2017 (Million USD)
Table United States Export 2013-2017 (Volume)
Table United States Import 2013-2017 (Million USD)
Table United States Import 2013-2017 (Volume)
Table Sales Revenue, Volume, Price, Cost and Margin of Intel Corporation

Table Sales Revenue, Volume, Price, Cost and Margin of Mellanox technologies
Table Sales Revenue, Volume, Price, Cost and Margin of Luxtera Inc
Table Sales Revenue, Volume, Price, Cost and Margin of IBM Corporation
Table Sales Revenue, Volume, Price, Cost and Margin of Molex Inc
Table Sales Revenue, Volume, Price, Cost and Margin of Cisco Systems
Table Sales Revenue, Volume, Price, Cost and Margin of Hamamatsu Photonics
Table Sales Revenue, Volume, Price, Cost and Margin of STMicroelectronics
Table Sales Revenue, Volume, Price, Cost and Margin of Infinera Corporation
Table Sales Revenue, Volume, Price, Cost and Margin of Finisar Corporation
Table Sales Revenue, Volume, Price, Cost and Margin of Luxtera Inc
Table Sales Revenue, Volume, Price, Cost and Margin of DAS Photonics
Table Sales Revenue, Volume, Price, Cost and Margin of Aurrion Inc

List Of Figures

LIST OF FIGURES

Figure Optical Waveguides Market Size and CAGR 2013-2017 (Million USD)
Figure Optical Waveguides Market Size and CAGR 2013-2017 (Volume)
Figure Optical Waveguides Market Forecast and CAGR 2018-2025 (Million USD)
Figure Optical Waveguides Market Forecast and CAGR 2018-2025 (Volume)
Figure Optical Modulators Market Size and CAGR 2013-2017 (Million USD)
Figure Optical Modulators Market Size and CAGR 2013-2017 (Volume)
Figure Optical Modulators Market Forecast and CAGR 2018-2025 (Million USD)
Figure Optical Modulators Market Forecast and CAGR 2018-2025 (Volume)
Figure Photodetectors Market Size and CAGR 2013-2017 (Million USD)
Figure Photodetectors Market Size and CAGR 2013-2017 (Volume)
Figure Photodetectors Market Forecast and CAGR 2018-2025 (Million USD)
Figure Photodetectors Market Forecast and CAGR 2018-2025 (Volume)
Figure Wavelength-Division Multiplexing (WDM) Filters Market Size and CAGR 2013-2017 (Million USD)
Figure Wavelength-Division Multiplexing (WDM) Filters Market Size and CAGR 2013-2017 (Volume)
Figure Wavelength-Division Multiplexing (WDM) Filters Market Forecast and CAGR 2018-2025 (Million USD)
Figure Wavelength-Division Multiplexing (WDM) Filters Market Forecast and CAGR 2018-2025 (Volume)
Figure IT & Telecommunications Market Size and CAGR 2013-2017 (Million USD)
Figure IT & Telecommunications Market Size and CAGR 2013-2017 (Volume)
Figure IT & Telecommunications Market Forecast and CAGR 2018-2025 (Million USD)
Figure IT & Telecommunications Market Forecast and CAGR 2018-2025 (Volume)
Figure Consumer Electronics Market Size and CAGR 2013-2017 (Million USD)
Figure Consumer Electronics Market Size and CAGR 2013-2017 (Volume)
Figure Consumer Electronics Market Forecast and CAGR 2018-2025 (Million USD)
Figure Consumer Electronics Market Forecast and CAGR 2018-2025 (Volume)
Figure Healthcare & Life Sciences Market Size and CAGR 2013-2017 (Million USD)
Figure Healthcare & Life Sciences Market Size and CAGR 2013-2017 (Volume)
Figure Healthcare & Life Sciences Market Forecast and CAGR 2018-2025 (Million USD)
Figure Healthcare & Life Sciences Market Forecast and CAGR 2018-2025 (Volume)
Figure Defense and Security Market Size and CAGR 2013-2017 (Million USD)
Figure Defense and Security Market Size and CAGR 2013-2017 (Volume)
Figure Defense and Security Market Forecast and CAGR 2018-2025 (Million USD)

Figure Defense and Security Market Forecast and CAGR 2018-2025 (Volume)
Figure Commercial Market Size and CAGR 2013-2017 (Million USD)
Figure Commercial Market Size and CAGR 2013-2017 (Volume)
Figure Commercial Market Forecast and CAGR 2018-2025 (Million USD)
Figure Commercial Market Forecast and CAGR 2018-2025 (Volume)
Figure Others Market Size and CAGR 2013-2017 (Million USD)
Figure Others Market Size and CAGR 2013-2017 (Volume)
Figure Others Market Forecast and CAGR 2018-2025 (Million USD)
Figure Others Market Forecast and CAGR 2018-2025 (Volume)
Figure Global Silicon Photonics Market Size and CAGR 2013-2017 (Million USD)
Figure Global Silicon Photonics Market Size and CAGR 2013-2017 (Volume)
Figure Global Silicon Photonics Market Forecast and CAGR 2018-2025 (Million USD)
Figure Global Silicon Photonics Market Forecast and CAGR 2018-2025 (Volume)
Figure United States Silicon Photonics Market Size and CAGR 2013-2017 (Million USD)
Figure United States Silicon Photonics Market Size and CAGR 2013-2017 (Volume)
Figure United States Silicon Photonics Market Forecast and CAGR 2018-2025 (Million USD)
Figure United States Silicon Photonics Market Forecast and CAGR 2018-2025 (Volume)
Figure Global Market Sales Revenue Share by Company in 2017
Figure Global Market Sales Volume Share by Company in 2017
Figure United States Market Sales Revenue Share by Company in 2017
Figure United States Market Sales Volume Share by Company in 2017
Figure Global Market Sales Revenue Share by Type in 2017
Figure Global Market Sales Volume Share by Type in 2017
Figure United States Market Sales Revenue Share by Type in 2017
Figure United States Market Sales Volume Share by Type in 2017
Figure Global Market Sales Revenue Share by Application in 2017
Figure Global Market Sales Volume Share by Application in 2017
Figure United States Market Sales Revenue Share by Application in 2017
Figure United States Market Sales Volume Share by Application in 2017
Figure Industry Chain Overview
Figure Silicon Photonics SWOT List
Figure Electronics & Software Porter's Five Forces

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