

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;

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Industry chain and raw materials;

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