

# Global Silicon Photonics Market Research Report 2020 (Covid-19 Version)

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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 Region

Asia-Pacific

North America

Europe

South America

Middle East & Africa

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 regional market overview;

Section 2:

Global and regional Market competition by company;

Section 3:

Global and regional sales revenue, volume and price by type;

Section 4:

Global and regional sales revenue, volume and price by application;

Section 5:

Regional export and import;

Section 6:

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

Section 7:

Industry chain and raw materials;

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SWOT and Porter's Five Forces;

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Figure North America Market Sales Volume Share by Application in 2020

Figure Europe Market Sales Revenue Share by Application in 2020

Figure Europe Market Sales Volume Share by Application in 2020

Figure South America Market Sales Revenue Share by Application in 2020

Figure South America Market Sales Volume Share by Application in 2020

Figure Middle East & Africa Market Sales Revenue Share by Application in 2020

Figure Middle East & Africa Market Sales Volume Share by Application in 2020

Figure Industry Chain Overview

Figure Silicon Photonics SWOT List

Figure Silicon Photonics Porter's Five Forces

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