

# Global Silicon Photonics Market Research Report 2017-2027

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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).

The global Silicon Photonics market will reach xxx Million USD in 2022 with CAGR xx% 2022-2027. The objective of report is to define, segment, and project the market on the basis of product type, application, and region, and to describe the content about the factors influencing market dynamics, policy, economic, technology and market entry etc.

Based on products type, the report describes major products type share of regional market. Products mentioned as follows:

Optical Waveguides

Optical Modulators

Photodetectors

Wavelength-Division Multiplexing (WDM) Filters

Leading vendors in the market are included based on profile, business performance etc. Vendors mentioned as follows:

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

Based on Application, the report describes major application share of regional market. Application mentioned as follows:

IT & Telecommunications

Consumer Electronics

Healthcare & Life Sciences

Defense and Security

Commercial

Others

Based on region, the report describes major regions market by products and application. Regions mentioned as follows:

Asia-Pacific

North America

Europe

South America

Middle East & Africa

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