

Global Silicon Photonics Market Analysis 2016-2020 and Forecast 2021-2026

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Abstracts

SNAPSHOT

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 size is estimated at xxx million USD with a CAGR xx% from 2016-2020 and is expected to reach xxx Million USD in 2021 with a CAGR xx% from 2021 to 2026. The report begins from overview of Industry Chain structure, and describes industry environment, then analyses market size and forecast of Silicon Photonics by product, region and application, in addition, this report introduces market competition situation among the vendors and company profile, besides, market price analysis and value chain features are covered in this report.

Product Type Coverage (Market Size & Forecast, Major Company of Product Type etc.):

Optical Waveguides

Optical Modulators

Photodetectors

Wavelength-Division Multiplexing (WDM) Filters

Company Coverage (Company Profile, Sales Revenue, Price, Gross Margin, Main Products etc.):

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

Application Coverage (Market Size & Forecast, Different Demand Market by Region, Main Consumer Profile etc.):

IT & Telecommunications

Consumer Electronics

Healthcare & Life Sciences

Defense and Security

Commercial

Others

Region Coverage (Regional Production, Demand & Forecast by Countries etc.):

North America (U.S., Canada, Mexico)

Europe (Germany, U.K., France, Italy, Russia, Spain etc.)

Asia-Pacific (China, India, Japan, Southeast Asia etc.)

South America (Brazil, Argentina etc.)

Middle East & Africa (Saudi Arabia, South Africa etc.)

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