

Global Field Programmable Gate Array (FPGA) Market 2023-2029

<https://marketpublishers.com/r/G1614FC72967EN.html>

Date: March 2023

Pages: 64

Price: US\$ 2,750.00 (Single User License)

ID: G1614FC72967EN

Abstracts

Field Programmable Gate Array (FPGA) is a type of integrated circuit that is designed to be customized by the end-user, rather than being pre-programmed by the manufacturer. An FPGA consists of a matrix of configurable logic blocks and programmable interconnections that can be programmed to perform any digital function. FPGA technology is widely used in various industries, including telecommunications, aerospace and defense, automotive, consumer electronics, medical devices, and many more. The global field programmable gate array market is projected to rise by USD 4.8 billion by 2029, according to the latest market study results. It is anticipated to expand at a CAGR of 7.74 percent during the forecast period.

The report covers market size and growth, segmentation, regional breakdowns, competitive landscape, trends and strategies for global field programmable gate array market. It presents a quantitative analysis of the market to enable stakeholders to capitalize on the prevailing market opportunities. The report also identifies top segments for opportunities and strategies based on market trends and leading competitors' approaches.

This industry report offers market estimates and forecasts of the global market, followed by a detailed analysis of the configuration, architecture, end user, and region. The global market for field programmable gate array can be segmented by configuration: high-end FPGA, mid-range / low-end FPGA. According to the research, the high-end FPGA segment had the largest share in the global field programmable gate array market. Field programmable gate array market is further segmented by architecture: SRAM-based FPGA, anti-fuse based FPGA, flash-based FPGA. In 2022, the SRAM-based FPGA segment made up the largest share of revenue generated by the field programmable gate array market. Based on end user, the field programmable gate

array market is segmented into: telecommunication, consumer electronics, automotive, manufacturing, defense and aerospace, others. Among these, the defense and aerospace segment was accounted for the highest revenue generator in 2022. On the basis of region, the field programmable gate array market also can be divided into: North America, Europe, Asia-Pacific, MEA (Middle East and Africa), Latin America. Asia-Pacific captured the largest share of the market in 2022.

Market Segmentation

By configuration: high-end FPGA, mid-range / low-end FPGA

By architecture: SRAM-based FPGA, anti-fuse based FPGA, flash-based FPGA

By end user: telecommunication, consumer electronics, automotive, manufacturing, defense and aerospace, others

By region: North America, Europe, Asia-Pacific, MEA (Middle East and Africa), Latin America

The report explores the recent developments and profiles of key vendors in the Global Field Programmable Gate Array Market, including Xilinx Inc., Lattice Semiconductor Corporation, Quicklogic Corporation, Intel Corporation, Achronix Semiconductor Corporation, GOWIN Semiconductor Corporation, Microchip Technology Incorporated, Efinix Inc., among others. In this report, key players and their strategies are thoroughly analyzed to understand the competitive outlook of the market.

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Scope of the Report

To analyze and forecast the market size of the global field programmable gate array market.

To classify and forecast the global field programmable gate array market based on configuration, architecture, end user, region.

To identify drivers and challenges for the global field programmable gate array market.

To examine competitive developments such as mergers & acquisitions, agreements, collaborations and partnerships, etc., in the global field programmable gate array market.

To identify and analyze the profile of leading players operating in the global field programmable gate array market.

Why Choose This Report

Gain a reliable outlook of the global field programmable gate array market forecasts from 2023 to 2029 across scenarios.

Identify growth segments for investment.

Stay ahead of competitors through company profiles and market data.
The market estimate for ease of analysis across scenarios in Excel format.
Strategy consulting and research support for three months.
Print authentication provided for the single-user license.

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Xilinx Inc.

Lattice Semiconductor Corporation

Quicklogic Corporation

Intel Corporation

Achronix Semiconductor Corporation

GOWIN Semiconductor Corporation

Microchip Technology Incorporated

Efinix Inc.

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