

Global Programmable Silicon Market Research Report 2023

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Abstracts

Programmable silicon refers to the use of programmable logic devices (PLDs) or field-programmable gate arrays (FPGAs) in electronic systems. These devices allow users to configure and reconfigure the functionality, connectivity, and behavior of digital circuits through software programming.

According to QYResearch's new survey, global Programmable Silicon market is projected to reach US\$ million in 2029, increasing from US\$ million in 2022, with the CAGR of % during the period of 2023 to 2029.

Following a strong growth of 26.2 percent in the year 2021, WSTS revised it down to a single digit growth for the worldwide semiconductor market in 2022 with a total size of US\$580 billion, up 4.4 percent. WSTS lowered growth estimation as inflation rises and end markets seeing weaker demand, especially those exposed to consumer spending. While some major categories are still double-digit year-over-year growth in 2022, led by Analog with 20.8 percent, Sensors with 16.3 percent, and Logic with 14.5 percent growth. Memory declined with 12.6 percent year over year. In 2022, all geographical regions showed double-digit growth except Asia Pacific. The largest region, Asia Pacific, declined 2.0 percent. Sales in the Americas were US\$142.1 billion, up 17.0% year-on-year, sales in Europe were US\$53.8 billion, up 12.6% year-on-year, and sales in Japan were US\$48.1 billion, up 10.0% year-on-year. However, sales in the largest Asia-Pacific region were US\$336.2 billion, down 2.0% year-on-year.

Report Scope

This report, based on historical analysis (2018-2022) and forecast calculation (2023-2029), aims to help readers to get a comprehensive understanding of global

Programmable Silicon market with multiple angles, which provides sufficient supports to readers' strategy and decision making.

By Company

Barefoot Networks (Inter)

Lattice Semiconductor

Xilinx

Broadcom Inc

Synopsys

Microsemi Corporation

Luccent

Cypress

Atmel

Quicklogic

Segment by Type

FPGA

CPLD

Segment by Application

Aerospace & Defense

Automotive

Consumer Electronics

Industrial

Medical

Communications

Other

Production by Region

North America

Europe

China

Japan

South Korea

Taiwan

Consumption by Region

North America

United States

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

China Taiwan

Southeast Asia

India

Latin America, Middle East & Africa

Mexico

Brazil

Turkey

GCC Countries

The Programmable Silicon report covers below items:

Chapter 1: Product Basic Information (Definition, type and application)

Chapter 2: Manufacturers' Competition Patterns

Chapter 3: Production Region Distribution and Analysis

Chapter 4: Country Level Sales Analysis

Chapter 5: Product Type Analysis

Chapter 6: Product Application Analysis

Chapter 7: Manufacturers' Outline

Chapter 8: Industry Chain, Market Channel and Customer Analysis

Chapter 9: Market Opportunities and Challenges

Chapter 10: Market Conclusions

Chapter 11: Research Methodology and Data Source

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Figure 70. Bottom-up and Top-down Approaches for This Report

Figure 71. Data Triangulation

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