Field Programmable Gate Array Market is estimated to grow at 5.7% CAGR to reach $6.68 billion by 2023

Asia-Pacific held major share in global Field Programmable Gate Array Market followed by Americas and Europe region

HYDERABAD, TELANGANA, INDIA, August 21, 2018 /EINPresswire.com/ -- According to the new market research report by IndustryARC, "[Field Programmable Gate Array Market](#): By Technology (SRAM, ANTIFUSE, EPROM, EEPROM); By Type (High-end, Mid-end, Low-end); By Size (<28 nm, 28-90 nm, >90 nm); By Functional Blocks (Logic Blocks, Routing); By Memory (Distributed Memory, Block Memory); By Applications (Industrial, Medical, Communications, Aerospace & Defense, Data Center, Automotive System, ASIC Designing, Consumer Electronics) & Geography- Forecast (2018-2023)", the market is estimated to grow at 5.7% CAGR to reach $6.68 billion by 2023.

APAC continues to lead the market share and growth during 2018-2023:

Asia-Pacific held major share in global Field Programmable Gate Array Market followed by Americas and Europe region. APAC FPGA market accounts for over 35% of the total industry share. Emergence of innovative FPGA products, particularly for usage in consumer electronics devices has increased market value in the region. Growing demand from automotive production in China, India and Japan will spur the market growth further. Asia Pacific is also predicted to outpace all other regions when it comes to growth rate by registering a CAGR of 7% from 2018 to 2023. Rising smartphone adoption combined with replacement of ASICs with FPGAs for this product will drive the market. Rising telecom infrastructure development in Asia-Pacific and Africa will drive the market. Since, the telecommunication sector is the major end user of FPGAs, there will be a huge demand for FPGAs in this region as growing infrastructure development drives the market. APAC is one of the largest manufacturing hubs in the world for the automobiles, and the growing integration of FPGA based systems in automobile applications is likely to boost the FPGA market in this region. Countries such as Japan, China, India, and South Korea have transformed themselves into hubs for consumer electronics and automotive manufacturing, which has played a crucial role in shaping the industry in the region. Americas FPGA market accounts for over 33% of the total industry share. Demand from the Americas market is driven by growth of industrial automation and increased deployment of ADAS systems. Also, Americas expected to grow at a CAGR of 5% to reach $2.2 billion by 2023.

Selected Type of Value Chain Analysis done in the full Report:

Value chain analysis is a useful tool to analyze the activities that include analysis of FPGA design, software and hardware procurement, testing and offering of FPGA devices to end user industries. The major steps involved in contribution of the total value of the FPGA market are described below:
The above figures depict the various stakeholders in the FPGA market. The R&D departments of the companies are involved in the development of effective design flows and Intellectual Property (IP) cores. These research groups also comprise of product managers where the future applications and requirements of FPGAs are being envisaged.

The FPGA manufacturers procure key components such as IP cores and circuit components from

suppliers and assemble them in FPGAs. Semiconductor fabrication plants form an important part of FPGA value chain. Fabless FPGA manufacturers such as XILINX INC., depend on these foundries for production of FPGA devices.

After fabrication, these devices are sent to the testing and assembling units for post integration verification

There are several industry specific standards such as IEC 61508 associated with the utilization of FPGAs and the functionality of FPGA devices are required to be complied with these standards.

To access/purchase the full report, click the link below:
https://industryarc.com/Report/15185/field-programmable-gate-array-fpga-market.html

Excerpts on Market Growth Factors Mentioned in the Full Report:

1. Increasing applications in military & aerospace, consumer electronics, and the automotive industry is a critical factor escalating their growth in newer segments and are presumed to drive the FPGA market over the coming years.
2. Growing need for customization of functionalities such as erasable and programmable memory and high demand for ADAS (Advanced Driver Assistance System) for GPS control and 3D visualization in automobile sector is driving the global FPGA market.
3. Growing penetration of FPGA technology in automotive and consumer electronics sector is driving the growth of FPGA market particularly in Asia-Pacific region.
4. Rising demand for high speed data processing coupled with emergence of data driven technologies such as Internet of Things, Big Data Analytics and Machine learning are boosting the FPGA market across the globe.
5. The benefits of Flash-based technology compared with SRAM-based programming technology are forcing the uptrend for the usage of anti-fuse technology based FPGA market.
6. Furthermore, the growing utilization of smart-phones, gaming and wearable devices is also contributing for the demand of FPGA in consumer electronics industry across the globe.

Talk to one of our sales representatives about the full report by providing your details in the link below:
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Key Players of the Field Programmable Gate Array Market:

FPGA market is a duopoly wherein, Xilinx is the leading player contributing to nearly 50% of overall revenue. The company being pioneer in FPGA has remained as the dominant player. This company is followed by Intel with market share of over 36%. Intel is establishing increased revenue in the FPGA market as the company penetrates the consumer electronics sector. These two players account for over 86% of the total market.

Companies Cited/Referred/Interviewed:
Achronix Semiconductor Corporation
Lattice Semiconductor
QuickLogic Corp.
Cobham plc
Microchip Technology
Flex Logix Technologies, Inc.
Microsemi
Company 8
Company 9
Company 10+

Related Report:

A. Customizable Field Programmable Gate Array Market

https://industryarc.com/Report/15682/customizable-field-programmable-gate-array-fpga-market.html

B. Wireless Charging Market
https://industryarc.com/Report/7384/wireless-charging-market-report.html

Field Programmable Gate Array Market Report is Segmented as indicated below:
A. FPGA Market - By Technology
1. SRAM
2. Anti -Fuse
3. Fuse
4. Flash - based/EEPROM
5. EPROM
6. Others

A. FPGA Market - By Type
1. High - end FPGA
2. Mid - end FPGA
3. Low - end FPGA

A. FPGA Market – By Size
1. Less than 28 nm
2. 28 – 90 nm
3. More than 90 nm

A. FPGA Market – By Functional Blocks
1. Logic Blocks
1.1. Transistor Pairs
1.2. Combinational Gates
1.3. N - Input Lookup Tables
1.4. Multiplexes
1.5. Others

2. Routing
A. FPGA Market – By Memory
1. Distributed Memory
2. Block Memory

A. FPGA Market - By Applications
1. Aerospace and Defense
1.1. Image processing
1.2. Waveform generation
1.3. Partial reconfiguration for SDRs

2. Wired Communications
2.1. Optical Transport Network
2.2. Backhaul and Access Network
2.3. Network Processing
2.4. Packet based Processing and Switching

3. Wireless Communications
3.1. Baseband
3.2. Wireless Backhaul Network
3.3. Radio

4. Multimedia

4.1. Audio
4.2. Communications
4.3. Video Processing

5. Broadcasting
5.1. Broadcast Platform Design
5.2. High-end Broadcast systems

6. Automotive system
6.1. Driver Assistance Systems
6.2. In-vehicle Infotainment

7. Consumer Electronics
7.1. Converged Handsets
7.2. Digital Flat Panel Displays
7.3. Information Appliances
7.4. Home Networking
7.5. Set-top Boxes

8. Industrial
8.1. Industrial Imaging and Surveillance
8.2. Industrial Automation

9. Datacenter & Computing
9.1. Network Interface Control
9.2. Storage Interface Control
9.3. Hardware Acceleration
9.4. ASIC Designing

10. Healthcare
10.1. Imaging Diagnostics
10.2 Wearable Devices
10.3 Video & Image Processing
10.4 Others

A. Field Programmable Gate Array Market By Geography (Covers 14+ Countries)
B. Field Programmable Gate Array Market Entropy
C. Company Profiles
D. Appendix: Abbreviations, Sources, Research Methodology, Bibliography, Compilation of Experts, Disclaimer.

What can you expect from the report?
The Field Programmable Gate Array Market Report is Prepared with the Main Agenda to Cover the following 20 points:
1. Market Size by Product Categories
2. Market trends
3. Manufacturer Landscape
4. Distributor Landscape
5. Pricing Analysis
6. Top 10 End user Analysis
7. Product Benchmarking
8. Product Developments
9. Merges & Acquisition Analysis
10. Patent Analysis
11. Demand Analysis (By Revenue & Volume)
12. Country level Analysis (15+)

13. Competitor Analysis
14. Market Shares Analysis
15. Value Chain Analysis
16. Supply Chain Analysis
17. Strategic Analysis
18. Current & Future Market Landscape Analysis
19. Opportunity Analysis
20. Revenue and Volume Analysis

Frequently Asked Questions:

Q. Does IndustryARC publish country, geography or application based reports in Field Programmable Gate Array?
Response: Yes, we do have separate reports and database as mentioned below:

1. Americas Market for Field Programmable Gate Array (2018-2023)
2. APAC Market for Field Programmable Gate Array (2018-2023)
3. Europe Market for Field Programmable Gate Array (2018-2023)
4. By Technology Field Programmable Gate Array (2018-2023)
5. By Size Field Programmable Gate Array (2018-2023)
6. By Functional Blocks Field Programmable Gate Array (2018-2023)
7. By Memory Field Programmable Gate Array (2018-2023)
8. By Application Field Programmable Gate Array (2018-2023)

Q. Does IndustryARC provide customized reports and charge additionally for limited customization?
Response: Yes, we can customize the report by extracting data from our database of reports and annual subscription databases. We can provide the following free customization

1. Increase the level of data in application or end user industry.
2. Increase the number of countries in geography or product chapter.
3. Find out market shares for other smaller companies or companies which are of interest to you.
4. Company profiles can be requested based on your interest.
5. Patent analysis, pricing, product analysis, product benchmarking, value and supply chain analysis can be requested for a country or end use segment.

Any other custom requirements can be discussed with our team, drop an e-mail to sales@industryarc.com to discuss more about our consulting services.

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IndustryARC primarily focuses on Cutting Edge Technologies and Newer Applications in a Market. Our Custom Research Services are designed to provide insights on the constant flux in the global supply-demand gap of markets. Our strong team of analysts enables us to meet the client research needs at a rapid speed, with a variety of options for your business.

We look forward to support the client to be able to better address their customer needs, stay ahead in the market, become the top competitor and get real-time recommendations on business strategies and deals. Contact us to find out how we can help you today.

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