

# Mid Range Field Programmable Gate Array (FPGA) Market Report: Trends, Forecast and Competitive Analysis to 2030

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## Abstracts

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### Mid Range Field Programmable Gate Array (FPGA) Trends and Forecast

The future of the global mid range field programmable gate array (FPGA) market looks promising with opportunities in the IT and telecommunications, automotive, industrial, and military and aerospace markets. The global mid range field programmable gate array (FPGA) market is expected to reach an estimated \$7.54 billion by 2030 with a CAGR of 13.5% from 2024 to 2030. The major drivers for this market are growing demand for FPGAs in data centers and high-performance computing applications, increasing demand for new and innovative FPGA technologies, and rising adoption of FPGAs in the automotive and aerospace industries.

A more than 150-page report is developed to help in your business decisions. Sample figures with some insights are shown below.

### Mid Range Field Programmable Gate Array (FPGA) by Segment

The study includes a forecast for the global mid range field programmable gate array (FPGA) by node size, technology, end use industry, technology, and region

Mid Range Field Programmable Gate Array (FPGA) Market by Node Size [Shipment Analysis by Value from 2018 to 2030]:

Less Than 28 NM

28–90 NM

More than 90 NM

Mid Range Field Programmable Gate Array (FPGA) Market by Technology [Shipment Analysis by Value from 2018 to 2030]:

SRAM

Flash

Antifuse

Mid Range Field Programmable Gate Array (FPGA) Market by End Use Industry [Shipment Analysis by Value from 2018 to 2030]:

IT and Telecommunications

Automotive

Industrial

Military and aerospace

Others

Mid Range Field Programmable Gate Array (FPGA) Market by Region [Shipment Analysis by Value from 2018 to 2030]:

North America

Europe

Asia Pacific

## The Rest of the World

### List of Mid Range Field Programmable Gate Array (FPGA) Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies mid range field programmable gate array (FPGA) companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the mid range field programmable gate array (FPGA) companies profiled in this report include-

Achronix Semiconductor

Quick Logic

Cobham

Efinix

Flex Logix Technologies

Intel

Xilinx

Aldec

Gowin Semiconductor

Lattice Semiconductor

### Mid Range Field Programmable Gate Array (FPGA) Market Insights

Lucintel forecast that 28–90 NM is expected to witness highest growth over the forecast period due to growing demand for FPGAs in high-performance computing applications

and advantages like good balance of performance, flexibility, and cost.

IT and telecommunications will remain the largest segment due to variety of networking applications, such as routers, switches, and firewalls and its utility in the development of 5G networks.

APAC is expected to witness highest growth over the forecast period due to increasing adoption of cloud computing and big data analytics and rising demand for 5G networks in this region.

Features of the Global Mid Range Field Programmable Gate Array (FPGA) Market

Market Size Estimates: Mid range field programmable gate array (FPGA) market size estimation in terms of value (\$B).

Trend and Forecast Analysis: Market trends (2018 to 2023) and forecast (2024 to 2030) by various segments and regions.

Segmentation Analysis: Mid range field programmable gate array (FPGA) market size by node size, technology, end use industry, and region in terms of value (\$B).

Regional Analysis: Mid range field programmable gate array (FPGA) market breakdown by North America, Europe, Asia Pacific, and Rest of the World.

Growth Opportunities: Analysis of growth opportunities in different node sizes, technologies, end use industries, and regions for the mid range field programmable gate array (FPGA) market.

Strategic Analysis: This includes M&A, new product development, and competitive landscape of the mid range field programmable gate array (FPGA) market.

Analysis of competitive intensity of the industry based on Porter's Five Forces model.

## FAQ

Q.1 What is the mid range field programmable gate array (FPGA) market size?

Answer: The global mid range field programmable gate array (FPGA) market is expected to reach an estimated \$7.54 billion by 2030.

Q.2 What is the growth forecast for mid range field programmable gate array (FPGA) market?

Answer: The global mid range field programmable gate array (FPGA) market is expected to grow with a CAGR of 13.5% from 2024 to 2030.

Q.3 What are the major drivers influencing the growth of the mid range field programmable gate array (FPGA) market?

Answer: The major drivers for this market are growing demand for FPGAs in data centers and high-performance computing applications, increasing demand for new and innovative FPGA technologies, and rising adoption of FPGAs in the automotive and aerospace industries.

Q4. What are the major segments for mid range field programmable gate array (FPGA) market?

Answer: The future of the mid range field programmable gate array (FPGA) market looks promising with opportunities in the IT and telecommunications, automotive, industrial, and military and aerospace markets.

Q5. Who are the key mid range field programmable gate array (FPGA) market companies?

Answer: Some of the key mid range field programmable gate array (FPGA) companies are as follows:

Achronix Semiconductor

Quick Logic

Cobham

Efinix

Flex Logix Technologies

Intel

Xilinx

Aldec

GOWIN Semiconductor

Lattice Semiconductor

Q6. Which mid range field programmable gate array (FPGA) market segment will be the largest in future?

Answer: Lucintel forecast that 28–90 NM is expected to witness highest growth over the forecast period due to growing demand for FPGAs in high-performance computing applications and advantages like good balance of performance, flexibility, and cost.

Q7. In mid range field programmable gate array (FPGA) market, which region is expected to be the largest in next 5 years?

Answer: APAC is expected to witness highest growth over the forecast period due to increasing adoption of cloud computing and big data analytics and rising demand for 5G networks in this region.

Q.8 Do we receive customization in this report?

Answer: Yes, Lucintel provides 10% customization without any additional cost.

This report answers following 11 key questions:

Q.1. What are some of the most promising, high-growth opportunities for the mid range field programmable gate array (FPGA) market by node size (less than 28 NM, 28–90 NM, and more than 90 NM), technology (SRAM, flash, and antifuse), end use industry (IT and telecommunications, Automotive, Industrial, Military and aerospace , and others), and region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q.2. Which segments will grow at a faster pace and why?

Q.3. Which region will grow at a faster pace and why?

Q.4. What are the key factors affecting market dynamics? What are the key challenges and business risks in this market?

Q.5. What are the business risks and competitive threats in this market?

Q.6. What are the emerging trends in this market and the reasons behind them?

Q.7. What are some of the changing demands of customers in the market?

Q.8. What are the new developments in the market? Which companies are leading these developments?

Q.9. Who are the major players in this market? What strategic initiatives are key players pursuing for business growth?

Q.10. What are some of the competing products in this market and how big of a threat do they pose for loss of market share by material or product substitution?

Q.11. What M&A activity has occurred in the last 5 years and what has its impact been on the industry?

For any questions related to mid range field programmable gate array (FPGA) market or related to mid range field programmable gate array (FPGA) companies, mid range field programmable gate array (FPGA) market size, mid range field programmable gate array (FPGA) market share, mid range field programmable gate array (FPGA) market growth, mid range field programmable gate array (FPGA) market research, write Lucintel analyst at email: [helpdesk@lucintel.com](mailto:helpdesk@lucintel.com) we will be glad to get back to you soon.

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### 7.8: Aldec

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### 7.10: Lattice Semiconductor

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