

Global Mid-Range FPGA Market Research Report 2024, Forecast to 2032

<https://marketpublishers.com/r/G57B81519396EN.html>

Date: October 2024

Pages: 129

Price: US\$ 3,200.00 (Single User License)

ID: G57B81519396EN

Abstracts

Report Overview

A field-programmable gate array is an integrated circuit designed to be configured by a customer or a designer after manufacturing –hence 'field-programmable'. The FPGA configuration is generally specified using a hardware description language, similar to that used for an application-specific integrated circuit. Circuit diagrams were previously used to specify the configuration, but this is increasingly rare due to the advent of electronic design automation tools.

The global Mid-Range FPGA market size was estimated at USD 2138.20 million in 2023 and is projected to reach USD 6898.61 million by 2032, exhibiting a CAGR of 13.90% during the forecast period.

North America Mid-Range FPGA market size was estimated at USD 697.82 million in 2023, at a CAGR of 11.91% during the forecast period of 2024 through 2032.

This report provides a deep insight into the global Mid-Range FPGA market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global Mid-Range FPGA Market, this report introduces in detail the market share,

market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the Mid-Range FPGA market in any manner.

Global Mid-Range FPGA Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

Key Company

Xilinx (US)

Intel (US)

Lattice Semiconductor (US)

Microchip Technology (US)

QuickLogic (US)

TSMC (Taiwan)

Microchip (US)

United Microelectronics (Taiwan)

GLOBALFOUNDRIES (US)

Achronix (US)

S2C Inc (US)

Market Segmentation (by Type)

Less Than 28 nm

28-90 nm

More Than 90 nm

Market Segmentation (by Application)

Telecommunications

Automotive

Industrial Control

Consumer Products

Data Center

Medical

Others

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

- Industry drivers, restraints, and opportunities covered in the study
- Neutral perspective on the market performance
- Recent industry trends and developments
- Competitive landscape & strategies of key players
- Potential & niche segments and regions exhibiting promising growth covered
- Historical, current, and projected market size, in terms of value
- In-depth analysis of the Mid-Range FPGA Market

Overview of the regional outlook of the Mid-Range FPGA Market:

Key Reasons to Buy this Report:

- Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change
- This enables you to anticipate market changes to remain ahead of your competitors
- You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents
- The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly
- Provision of market value data for each segment and sub-segment
- Indicates the region and segment that is expected to witness the fastest growth

as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product

type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Mid-Range FPGA Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region from the consumer side and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of Mid-Range FPGA, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region during the forecast period.

Chapter 12 provides a quantitative analysis of the market size and development

potential of each market segment during the forecast period.

Chapter 13 is the main points and conclusions of the report.

Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

1.1 Market Definition and Statistical Scope of Mid-Range FPGA

1.2 Key Market Segments

1.2.1 Mid-Range FPGA Segment by Type

1.2.2 Mid-Range FPGA Segment by Application

1.3 Methodology & Sources of Information

1.3.1 Research Methodology

1.3.2 Research Process

1.3.3 Market Breakdown and Data Triangulation

1.3.4 Base Year

1.3.5 Report Assumptions & Caveats

2 MID-RANGE FPGA MARKET OVERVIEW

2.1 Global Market Overview

2.1.1 Global Mid-Range FPGA Market Size (M USD) Estimates and Forecasts (2019-2032)

2.1.2 Global Mid-Range FPGA Sales Estimates and Forecasts (2019-2032)

2.2 Market Segment Executive Summary

2.3 Global Market Size by Region

3 MID-RANGE FPGA MARKET COMPETITIVE LANDSCAPE

3.1 Global Mid-Range FPGA Sales by Manufacturers (2019-2024)

3.2 Global Mid-Range FPGA Revenue Market Share by Manufacturers (2019-2024)

3.3 Mid-Range FPGA Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

3.4 Global Mid-Range FPGA Average Price by Manufacturers (2019-2024)

3.5 Manufacturers Mid-Range FPGA Sales Sites, Area Served, Product Type

3.6 Mid-Range FPGA Market Competitive Situation and Trends

3.6.1 Mid-Range FPGA Market Concentration Rate

3.6.2 Global 5 and 10 Largest Mid-Range FPGA Players Market Share by Revenue

3.6.3 Mergers & Acquisitions, Expansion

4 MID-RANGE FPGA INDUSTRY CHAIN ANALYSIS

4.1 Mid-Range FPGA Industry Chain Analysis

4.2 Market Overview of Key Raw Materials

4.3 Midstream Market Analysis

4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF MID-RANGE FPGA MARKET

5.1 Key Development Trends

5.2 Driving Factors

5.3 Market Challenges

5.4 Market Restraints

5.5 Industry News

5.5.1 New Product Developments

5.5.2 Mergers & Acquisitions

5.5.3 Expansions

5.5.4 Collaboration/Supply Contracts

5.6 Industry Policies

6 MID-RANGE FPGA MARKET SEGMENTATION BY TYPE

6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global Mid-Range FPGA Sales Market Share by Type (2019-2024)

6.3 Global Mid-Range FPGA Market Size Market Share by Type (2019-2024)

6.4 Global Mid-Range FPGA Price by Type (2019-2024)

7 MID-RANGE FPGA MARKET SEGMENTATION BY APPLICATION

7.1 Evaluation Matrix of Segment Market Development Potential (Application)

7.2 Global Mid-Range FPGA Market Sales by Application (2019-2024)

7.3 Global Mid-Range FPGA Market Size (M USD) by Application (2019-2024)

7.4 Global Mid-Range FPGA Sales Growth Rate by Application (2019-2024)

8 MID-RANGE FPGA MARKET CONSUMPTION BY REGION

8.1 Global Mid-Range FPGA Sales by Region

8.1.1 Global Mid-Range FPGA Sales by Region

8.1.2 Global Mid-Range FPGA Sales Market Share by Region

8.2 North America

8.2.1 North America Mid-Range FPGA Sales by Country

8.2.2 U.S.

8.2.3 Canada

8.2.4 Mexico

8.3 Europe

8.3.1 Europe Mid-Range FPGA Sales by Country

8.3.2 Germany

8.3.3 France

8.3.4 U.K.

8.3.5 Italy

8.3.6 Russia

8.4 Asia Pacific

8.4.1 Asia Pacific Mid-Range FPGA Sales by Region

8.4.2 China

8.4.3 Japan

8.4.4 South Korea

8.4.5 India

8.4.6 Southeast Asia

8.5 South America

8.5.1 South America Mid-Range FPGA Sales by Country

8.5.2 Brazil

8.5.3 Argentina

8.5.4 Columbia

8.6 Middle East and Africa

8.6.1 Middle East and Africa Mid-Range FPGA Sales by Region

8.6.2 Saudi Arabia

8.6.3 UAE

8.6.4 Egypt

8.6.5 Nigeria

8.6.6 South Africa

9 MID-RANGE FPGA MARKET PRODUCTION BY REGION

9.1 Global Production of Mid-Range FPGA by Region (2019-2024)

9.2 Global Mid-Range FPGA Revenue Market Share by Region (2019-2024)

9.3 Global Mid-Range FPGA Production, Revenue, Price and Gross Margin (2019-2024)

9.4 North America Mid-Range FPGA Production

9.4.1 North America Mid-Range FPGA Production Growth Rate (2019-2024)

9.4.2 North America Mid-Range FPGA Production, Revenue, Price and Gross Margin (2019-2024)

9.5 Europe Mid-Range FPGA Production

9.5.1 Europe Mid-Range FPGA Production Growth Rate (2019-2024)

9.5.2 Europe Mid-Range FPGA Production, Revenue, Price and Gross Margin (2019-2024)

9.6 Japan Mid-Range FPGA Production (2019-2024)

9.6.1 Japan Mid-Range FPGA Production Growth Rate (2019-2024)

9.6.2 Japan Mid-Range FPGA Production, Revenue, Price and Gross Margin (2019-2024)

9.7 China Mid-Range FPGA Production (2019-2024)

9.7.1 China Mid-Range FPGA Production Growth Rate (2019-2024)

9.7.2 China Mid-Range FPGA Production, Revenue, Price and Gross Margin (2019-2024)

10 KEY COMPANIES PROFILE

10.1 Xilinx (US)

10.1.1 Xilinx (US) Mid-Range FPGA Basic Information

10.1.2 Xilinx (US) Mid-Range FPGA Product Overview

10.1.3 Xilinx (US) Mid-Range FPGA Product Market Performance

10.1.4 Xilinx (US) Business Overview

10.1.5 Xilinx (US) Mid-Range FPGA SWOT Analysis

10.1.6 Xilinx (US) Recent Developments

10.2 Intel (US)

10.2.1 Intel (US) Mid-Range FPGA Basic Information

10.2.2 Intel (US) Mid-Range FPGA Product Overview

10.2.3 Intel (US) Mid-Range FPGA Product Market Performance

10.2.4 Intel (US) Business Overview

10.2.5 Intel (US) Mid-Range FPGA SWOT Analysis

10.2.6 Intel (US) Recent Developments

10.3 Lattice Semiconductor (US)

10.3.1 Lattice Semiconductor (US) Mid-Range FPGA Basic Information

10.3.2 Lattice Semiconductor (US) Mid-Range FPGA Product Overview

10.3.3 Lattice Semiconductor (US) Mid-Range FPGA Product Market Performance

10.3.4 Lattice Semiconductor (US) Mid-Range FPGA SWOT Analysis

10.3.5 Lattice Semiconductor (US) Business Overview

10.3.6 Lattice Semiconductor (US) Recent Developments

10.4 Microchip Technology (US)

10.4.1 Microchip Technology (US) Mid-Range FPGA Basic Information

10.4.2 Microchip Technology (US) Mid-Range FPGA Product Overview

- 10.4.3 Microchip Technology (US) Mid-Range FPGA Product Market Performance
- 10.4.4 Microchip Technology (US) Business Overview
- 10.4.5 Microchip Technology (US) Recent Developments
- 10.5 QuickLogic (US)
 - 10.5.1 QuickLogic (US) Mid-Range FPGA Basic Information
 - 10.5.2 QuickLogic (US) Mid-Range FPGA Product Overview
 - 10.5.3 QuickLogic (US) Mid-Range FPGA Product Market Performance
 - 10.5.4 QuickLogic (US) Business Overview
 - 10.5.5 QuickLogic (US) Recent Developments
- 10.6 TSMC (Taiwan)
 - 10.6.1 TSMC (Taiwan) Mid-Range FPGA Basic Information
 - 10.6.2 TSMC (Taiwan) Mid-Range FPGA Product Overview
 - 10.6.3 TSMC (Taiwan) Mid-Range FPGA Product Market Performance
 - 10.6.4 TSMC (Taiwan) Business Overview
 - 10.6.5 TSMC (Taiwan) Recent Developments
- 10.7 Microchip (US)
 - 10.7.1 Microchip (US) Mid-Range FPGA Basic Information
 - 10.7.2 Microchip (US) Mid-Range FPGA Product Overview
 - 10.7.3 Microchip (US) Mid-Range FPGA Product Market Performance
 - 10.7.4 Microchip (US) Business Overview
 - 10.7.5 Microchip (US) Recent Developments
- 10.8 United Microelectronics (Taiwan)
 - 10.8.1 United Microelectronics (Taiwan) Mid-Range FPGA Basic Information
 - 10.8.2 United Microelectronics (Taiwan) Mid-Range FPGA Product Overview
 - 10.8.3 United Microelectronics (Taiwan) Mid-Range FPGA Product Market Performance
 - 10.8.4 United Microelectronics (Taiwan) Business Overview
 - 10.8.5 United Microelectronics (Taiwan) Recent Developments
- 10.9 GLOBALFOUNDRIES (US)
 - 10.9.1 GLOBALFOUNDRIES (US) Mid-Range FPGA Basic Information
 - 10.9.2 GLOBALFOUNDRIES (US) Mid-Range FPGA Product Overview
 - 10.9.3 GLOBALFOUNDRIES (US) Mid-Range FPGA Product Market Performance
 - 10.9.4 GLOBALFOUNDRIES (US) Business Overview
 - 10.9.5 GLOBALFOUNDRIES (US) Recent Developments
- 10.10 Achronix (US)
 - 10.10.1 Achronix (US) Mid-Range FPGA Basic Information
 - 10.10.2 Achronix (US) Mid-Range FPGA Product Overview
 - 10.10.3 Achronix (US) Mid-Range FPGA Product Market Performance
 - 10.10.4 Achronix (US) Business Overview

- 10.10.5 Achronix (US) Recent Developments
- 10.11 S2C Inc (US)
 - 10.11.1 S2C Inc (US) Mid-Range FPGA Basic Information
 - 10.11.2 S2C Inc (US) Mid-Range FPGA Product Overview
 - 10.11.3 S2C Inc (US) Mid-Range FPGA Product Market Performance
 - 10.11.4 S2C Inc (US) Business Overview
 - 10.11.5 S2C Inc (US) Recent Developments

11 MID-RANGE FPGA MARKET FORECAST BY REGION

- 11.1 Global Mid-Range FPGA Market Size Forecast
- 11.2 Global Mid-Range FPGA Market Forecast by Region
 - 11.2.1 North America Market Size Forecast by Country
 - 11.2.2 Europe Mid-Range FPGA Market Size Forecast by Country
 - 11.2.3 Asia Pacific Mid-Range FPGA Market Size Forecast by Region
 - 11.2.4 South America Mid-Range FPGA Market Size Forecast by Country
 - 11.2.5 Middle East and Africa Forecasted Consumption of Mid-Range FPGA by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2025-2032)

- 12.1 Global Mid-Range FPGA Market Forecast by Type (2025-2032)
 - 12.1.1 Global Forecasted Sales of Mid-Range FPGA by Type (2025-2032)
 - 12.1.2 Global Mid-Range FPGA Market Size Forecast by Type (2025-2032)
 - 12.1.3 Global Forecasted Price of Mid-Range FPGA by Type (2025-2032)
- 12.2 Global Mid-Range FPGA Market Forecast by Application (2025-2032)
 - 12.2.1 Global Mid-Range FPGA Sales (K Units) Forecast by Application
 - 12.2.2 Global Mid-Range FPGA Market Size (M USD) Forecast by Application (2025-2032)

13 CONCLUSION AND KEY FINDINGS

List Of Tables

LIST OF TABLES

Table 1. Introduction of the Type
Table 2. Introduction of the Application
Table 3. Market Size (M USD) Segment Executive Summary
Table 4. Mid-Range FPGA Market Size Comparison by Region (M USD)
Table 5. Global Mid-Range FPGA Sales (K Units) by Manufacturers (2019-2024)
Table 6. Global Mid-Range FPGA Sales Market Share by Manufacturers (2019-2024)
Table 7. Global Mid-Range FPGA Revenue (M USD) by Manufacturers (2019-2024)
Table 8. Global Mid-Range FPGA Revenue Share by Manufacturers (2019-2024)
Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Mid-Range FPGA as of 2022)
Table 10. Global Market Mid-Range FPGA Average Price (USD/Unit) of Key Manufacturers (2019-2024)
Table 11. Manufacturers Mid-Range FPGA Sales Sites and Area Served
Table 12. Manufacturers Mid-Range FPGA Product Type
Table 13. Global Mid-Range FPGA Manufacturers Market Concentration Ratio (CR5 and HHI)
Table 14. Mergers & Acquisitions, Expansion Plans
Table 15. Industry Chain Map of Mid-Range FPGA
Table 16. Market Overview of Key Raw Materials
Table 17. Midstream Market Analysis
Table 18. Downstream Customer Analysis
Table 19. Key Development Trends
Table 20. Driving Factors
Table 21. Mid-Range FPGA Market Challenges
Table 22. Global Mid-Range FPGA Sales by Type (K Units)
Table 23. Global Mid-Range FPGA Market Size by Type (M USD)
Table 24. Global Mid-Range FPGA Sales (K Units) by Type (2019-2024)
Table 25. Global Mid-Range FPGA Sales Market Share by Type (2019-2024)
Table 26. Global Mid-Range FPGA Market Size (M USD) by Type (2019-2024)
Table 27. Global Mid-Range FPGA Market Size Share by Type (2019-2024)
Table 28. Global Mid-Range FPGA Price (USD/Unit) by Type (2019-2024)
Table 29. Global Mid-Range FPGA Sales (K Units) by Application
Table 30. Global Mid-Range FPGA Market Size by Application
Table 31. Global Mid-Range FPGA Sales by Application (2019-2024) & (K Units)
Table 32. Global Mid-Range FPGA Sales Market Share by Application (2019-2024)

Table 33. Global Mid-Range FPGA Sales by Application (2019-2024) & (M USD)
Table 34. Global Mid-Range FPGA Market Share by Application (2019-2024)
Table 35. Global Mid-Range FPGA Sales Growth Rate by Application (2019-2024)
Table 36. Global Mid-Range FPGA Sales by Region (2019-2024) & (K Units)
Table 37. Global Mid-Range FPGA Sales Market Share by Region (2019-2024)
Table 38. North America Mid-Range FPGA Sales by Country (2019-2024) & (K Units)
Table 39. Europe Mid-Range FPGA Sales by Country (2019-2024) & (K Units)
Table 40. Asia Pacific Mid-Range FPGA Sales by Region (2019-2024) & (K Units)
Table 41. South America Mid-Range FPGA Sales by Country (2019-2024) & (K Units)
Table 42. Middle East and Africa Mid-Range FPGA Sales by Region (2019-2024) & (K Units)
Table 43. Global Mid-Range FPGA Production (K Units) by Region (2019-2024)
Table 44. Global Mid-Range FPGA Revenue (US\$ Million) by Region (2019-2024)
Table 45. Global Mid-Range FPGA Revenue Market Share by Region (2019-2024)
Table 46. Global Mid-Range FPGA Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 47. North America Mid-Range FPGA Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 48. Europe Mid-Range FPGA Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 49. Japan Mid-Range FPGA Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 50. China Mid-Range FPGA Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 51. Xilinx (US) Mid-Range FPGA Basic Information
Table 52. Xilinx (US) Mid-Range FPGA Product Overview
Table 53. Xilinx (US) Mid-Range FPGA Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 54. Xilinx (US) Business Overview
Table 55. Xilinx (US) Mid-Range FPGA SWOT Analysis
Table 56. Xilinx (US) Recent Developments
Table 57. Intel (US) Mid-Range FPGA Basic Information
Table 58. Intel (US) Mid-Range FPGA Product Overview
Table 59. Intel (US) Mid-Range FPGA Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 60. Intel (US) Business Overview
Table 61. Intel (US) Mid-Range FPGA SWOT Analysis
Table 62. Intel (US) Recent Developments
Table 63. Lattice Semiconductor (US) Mid-Range FPGA Basic Information

Table 64. Lattice Semiconductor (US) Mid-Range FPGA Product Overview
Table 65. Lattice Semiconductor (US) Mid-Range FPGA Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 66. Lattice Semiconductor (US) Mid-Range FPGA SWOT Analysis
Table 67. Lattice Semiconductor (US) Business Overview
Table 68. Lattice Semiconductor (US) Recent Developments
Table 69. Microchip Technology (US) Mid-Range FPGA Basic Information
Table 70. Microchip Technology (US) Mid-Range FPGA Product Overview
Table 71. Microchip Technology (US) Mid-Range FPGA Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 72. Microchip Technology (US) Business Overview
Table 73. Microchip Technology (US) Recent Developments
Table 74. QuickLogic (US) Mid-Range FPGA Basic Information
Table 75. QuickLogic (US) Mid-Range FPGA Product Overview
Table 76. QuickLogic (US) Mid-Range FPGA Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 77. QuickLogic (US) Business Overview
Table 78. QuickLogic (US) Recent Developments
Table 79. TSMC (Taiwan) Mid-Range FPGA Basic Information
Table 80. TSMC (Taiwan) Mid-Range FPGA Product Overview
Table 81. TSMC (Taiwan) Mid-Range FPGA Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 82. TSMC (Taiwan) Business Overview
Table 83. TSMC (Taiwan) Recent Developments
Table 84. Microchip (US) Mid-Range FPGA Basic Information
Table 85. Microchip (US) Mid-Range FPGA Product Overview
Table 86. Microchip (US) Mid-Range FPGA Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 87. Microchip (US) Business Overview
Table 88. Microchip (US) Recent Developments
Table 89. United Microelectronics (Taiwan) Mid-Range FPGA Basic Information
Table 90. United Microelectronics (Taiwan) Mid-Range FPGA Product Overview
Table 91. United Microelectronics (Taiwan) Mid-Range FPGA Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 92. United Microelectronics (Taiwan) Business Overview
Table 93. United Microelectronics (Taiwan) Recent Developments
Table 94. GLOBALFOUNDRIES (US) Mid-Range FPGA Basic Information
Table 95. GLOBALFOUNDRIES (US) Mid-Range FPGA Product Overview
Table 96. GLOBALFOUNDRIES (US) Mid-Range FPGA Sales (K Units), Revenue (M

USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 97. GLOBALFOUNDRIES (US) Business Overview

Table 98. GLOBALFOUNDRIES (US) Recent Developments

Table 99. Achronix (US) Mid-Range FPGA Basic Information

Table 100. Achronix (US) Mid-Range FPGA Product Overview

Table 101. Achronix (US) Mid-Range FPGA Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 102. Achronix (US) Business Overview

Table 103. Achronix (US) Recent Developments

Table 104. S2C Inc (US) Mid-Range FPGA Basic Information

Table 105. S2C Inc (US) Mid-Range FPGA Product Overview

Table 106. S2C Inc (US) Mid-Range FPGA Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 107. S2C Inc (US) Business Overview

Table 108. S2C Inc (US) Recent Developments

Table 109. Global Mid-Range FPGA Sales Forecast by Region (2025-2032) & (K Units)

Table 110. Global Mid-Range FPGA Market Size Forecast by Region (2025-2032) & (M USD)

Table 111. North America Mid-Range FPGA Sales Forecast by Country (2025-2032) & (K Units)

Table 112. North America Mid-Range FPGA Market Size Forecast by Country (2025-2032) & (M USD)

Table 113. Europe Mid-Range FPGA Sales Forecast by Country (2025-2032) & (K Units)

Table 114. Europe Mid-Range FPGA Market Size Forecast by Country (2025-2032) & (M USD)

Table 115. Asia Pacific Mid-Range FPGA Sales Forecast by Region (2025-2032) & (K Units)

Table 116. Asia Pacific Mid-Range FPGA Market Size Forecast by Region (2025-2032) & (M USD)

Table 117. South America Mid-Range FPGA Sales Forecast by Country (2025-2032) & (K Units)

Table 118. South America Mid-Range FPGA Market Size Forecast by Country (2025-2032) & (M USD)

Table 119. Middle East and Africa Mid-Range FPGA Consumption Forecast by Country (2025-2032) & (Units)

Table 120. Middle East and Africa Mid-Range FPGA Market Size Forecast by Country (2025-2032) & (M USD)

Table 121. Global Mid-Range FPGA Sales Forecast by Type (2025-2032) & (K Units)

Table 122. Global Mid-Range FPGA Market Size Forecast by Type (2025-2032) & (M USD)

Table 123. Global Mid-Range FPGA Price Forecast by Type (2025-2032) & (USD/Unit)

Table 124. Global Mid-Range FPGA Sales (K Units) Forecast by Application (2025-2032)

Table 125. Global Mid-Range FPGA Market Size Forecast by Application (2025-2032) & (M USD)

List Of Figures

LIST OF FIGURES

- Figure 1. Product Picture of Mid-Range FPGA
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global Mid-Range FPGA Market Size (M USD), 2019-2032
- Figure 5. Global Mid-Range FPGA Market Size (M USD) (2019-2032)
- Figure 6. Global Mid-Range FPGA Sales (K Units) & (2019-2032)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. Mid-Range FPGA Market Size by Country (M USD)
- Figure 11. Mid-Range FPGA Sales Share by Manufacturers in 2023
- Figure 12. Global Mid-Range FPGA Revenue Share by Manufacturers in 2023
- Figure 13. Mid-Range FPGA Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2023
- Figure 14. Global Market Mid-Range FPGA Average Price (USD/Unit) of Key Manufacturers in 2023
- Figure 15. The Global 5 and 10 Largest Players: Market Share by Mid-Range FPGA Revenue in 2023
- Figure 16. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 17. Global Mid-Range FPGA Market Share by Type
- Figure 18. Sales Market Share of Mid-Range FPGA by Type (2019-2024)
- Figure 19. Sales Market Share of Mid-Range FPGA by Type in 2023
- Figure 20. Market Size Share of Mid-Range FPGA by Type (2019-2024)
- Figure 21. Market Size Market Share of Mid-Range FPGA by Type in 2023
- Figure 22. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 23. Global Mid-Range FPGA Market Share by Application
- Figure 24. Global Mid-Range FPGA Sales Market Share by Application (2019-2024)
- Figure 25. Global Mid-Range FPGA Sales Market Share by Application in 2023
- Figure 26. Global Mid-Range FPGA Market Share by Application (2019-2024)
- Figure 27. Global Mid-Range FPGA Market Share by Application in 2023
- Figure 28. Global Mid-Range FPGA Sales Growth Rate by Application (2019-2024)
- Figure 29. Global Mid-Range FPGA Sales Market Share by Region (2019-2024)
- Figure 30. North America Mid-Range FPGA Sales and Growth Rate (2019-2024) & (K Units)
- Figure 31. North America Mid-Range FPGA Sales Market Share by Country in 2023

- Figure 32. U.S. Mid-Range FPGA Sales and Growth Rate (2019-2024) & (K Units)
- Figure 33. Canada Mid-Range FPGA Sales (K Units) and Growth Rate (2019-2024)
- Figure 34. Mexico Mid-Range FPGA Sales (Units) and Growth Rate (2019-2024)
- Figure 35. Europe Mid-Range FPGA Sales and Growth Rate (2019-2024) & (K Units)
- Figure 36. Europe Mid-Range FPGA Sales Market Share by Country in 2023
- Figure 37. Germany Mid-Range FPGA Sales and Growth Rate (2019-2024) & (K Units)
- Figure 38. France Mid-Range FPGA Sales and Growth Rate (2019-2024) & (K Units)
- Figure 39. U.K. Mid-Range FPGA Sales and Growth Rate (2019-2024) & (K Units)
- Figure 40. Italy Mid-Range FPGA Sales and Growth Rate (2019-2024) & (K Units)
- Figure 41. Russia Mid-Range FPGA Sales and Growth Rate (2019-2024) & (K Units)
- Figure 42. Asia Pacific Mid-Range FPGA Sales and Growth Rate (K Units)
- Figure 43. Asia Pacific Mid-Range FPGA Sales Market Share by Region in 2023
- Figure 44. China Mid-Range FPGA Sales and Growth Rate (2019-2024) & (K Units)
- Figure 45. Japan Mid-Range FPGA Sales and Growth Rate (2019-2024) & (K Units)
- Figure 46. South Korea Mid-Range FPGA Sales and Growth Rate (2019-2024) & (K Units)
- Figure 47. India Mid-Range FPGA Sales and Growth Rate (2019-2024) & (K Units)
- Figure 48. Southeast Asia Mid-Range FPGA Sales and Growth Rate (2019-2024) & (K Units)
- Figure 49. South America Mid-Range FPGA Sales and Growth Rate (K Units)
- Figure 50. South America Mid-Range FPGA Sales Market Share by Country in 2023
- Figure 51. Brazil Mid-Range FPGA Sales and Growth Rate (2019-2024) & (K Units)
- Figure 52. Argentina Mid-Range FPGA Sales and Growth Rate (2019-2024) & (K Units)
- Figure 53. Columbia Mid-Range FPGA Sales and Growth Rate (2019-2024) & (K Units)
- Figure 54. Middle East and Africa Mid-Range FPGA Sales and Growth Rate (K Units)
- Figure 55. Middle East and Africa Mid-Range FPGA Sales Market Share by Region in 2023
- Figure 56. Saudi Arabia Mid-Range FPGA Sales and Growth Rate (2019-2024) & (K Units)
- Figure 57. UAE Mid-Range FPGA Sales and Growth Rate (2019-2024) & (K Units)
- Figure 58. Egypt Mid-Range FPGA Sales and Growth Rate (2019-2024) & (K Units)
- Figure 59. Nigeria Mid-Range FPGA Sales and Growth Rate (2019-2024) & (K Units)
- Figure 60. South Africa Mid-Range FPGA Sales and Growth Rate (2019-2024) & (K Units)
- Figure 61. Global Mid-Range FPGA Production Market Share by Region (2019-2024)
- Figure 62. North America Mid-Range FPGA Production (K Units) Growth Rate (2019-2024)
- Figure 63. Europe Mid-Range FPGA Production (K Units) Growth Rate (2019-2024)
- Figure 64. Japan Mid-Range FPGA Production (K Units) Growth Rate (2019-2024)

Figure 65. China Mid-Range FPGA Production (K Units) Growth Rate (2019-2024)

Figure 66. Global Mid-Range FPGA Sales Forecast by Volume (2019-2032) & (K Units)

Figure 67. Global Mid-Range FPGA Market Size Forecast by Value (2019-2032) & (M USD)

Figure 68. Global Mid-Range FPGA Sales Market Share Forecast by Type (2025-2032)

Figure 69. Global Mid-Range FPGA Market Share Forecast by Type (2025-2032)

Figure 70. Global Mid-Range FPGA Sales Forecast by Application (2025-2032)

Figure 71. Global Mid-Range FPGA Market Share Forecast by Application (2025-2032)

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