

FPGA Market by Type (High-End, Mid-End, Low-End), Verticals (Telecommunication, Industrial, A&D, Automotive, & Others), Architecture (Sram, Flash, & Antifuse), Technology Node (28nm-10nm, 45/40nm, & Others), and Geography - Forecast to 2022

<https://marketpublishers.com/r/F4C48067778EN.html>

Date: February 2016

Pages: 163

Price: US\$ 5,650.00 (Single User License)

ID: F4C48067778EN

Abstracts

“The field programmable gate array (FPGA) market poised to grow at a CAGR of 7.41% during the forecast period”

The field programmable gate array (FPGA) market is expected to grow at a CAGR of 7.41% between 2016 and 2022 and reach USD 7.23 billion by 2022. A key influencing factor for the growth of FPGAs is their fast time-to-market (TTM). FPGAs offer fastest TTM, compared to their counterparts—ASICs and ASSPs—as they reach the production stage within three to five months, whereas ASSP/ASIC take around 12-18 months for the same. Besides, several other factors such as low NRE design cost, growing demand for advanced driver assistance systems (ADAS), reprogramming ability, and the need of wireless communication and optical transport network (OTN) are expected to drive the FPGA market.

“The FPGA market for the automotive vertical is projected to grow rapidly in the near future”

The FPGA market in the automotive sector is expected to grow at the highest CAGR during the forecast period. The demand for applications such as (ADAS), e-vehicles, and powertrains are expected to present huge opportunities for FPGAs in this sector.

“APAC expected to be the fastest-growing market for FPGA”

The market in APAC is expected to grow at the highest CAGR between 2015 and 2020. With the advent of IoT and M2M, the growth in automotive and consumer electronics industry is expected to be very high because of a very large number of mobile phone users in emerging countries such as China and India.

Break-up of profiles of primary participants for the report is given below:

By Company Type: Tier 1 – 16%, Tier 2 – 29%, and Tier 3 – 55%

By Designation: C-level –25%, Director level – 33%, VP level – 42%

By Region: North America - 51%, Europe – 32%, APAC – 12%, RoW – 5%

The key players in the market include Xilinx Inc. (U.S.), Altera Corporation (U.S.), Microsemi Corporation (U.S.), Lattice Semiconductor (U.S.), Achronix Semiconductor Corporation (U.S.), Atmel Corporation (U.S.), and S2C Inc. (U.S.) among others.

Reasons to buy the report:

This report includes the market statistics pertaining to type, architecture, vertical, technology node, and region.

The Porter's five forces framework has been utilized along with the value chain analysis to provide an in-depth insight into the FPGA market.

Major drivers, restraints, opportunities, and challenges for the FPGA market have been detailed in this report.

Illustrative segmentation, analysis, and forecast have been conducted for the market based on types, architectures, verticals, technology nodes, and geography to give an overall view of the FPGA market.

The detailed competitive landscape includes key players, in-depth analysis, and revenue of key players.

Contents

1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET DEFINITION
- 1.3 MARKET SCOPE
 - 1.3.1 MARKETS COVERED
 - 1.3.2 YEARS CONSIDERED IN THE STUDY
- 1.4 CURRENCY
- 1.5 STAKEHOLDERS
- 1.6 LIMITATIONS

2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
 - 2.1.1 SECONDARY DATA
 - 2.1.1.1 Key data from secondary sources
 - 2.1.2 PRIMARY DATA
 - 2.1.2.1 Key data from primary sources
 - 2.1.2.2 Key industry insights
 - 2.1.2.3 Breakdown of primaries
- 2.2 MARKET SIZE ESTIMATION
 - 2.2.1 BOTTOM-UP APPROACH
 - 2.2.2 TOP-DOWN APPROACH
- 2.3 MARKET BREAKDOWN AND DATA TRIANGULATION
- 2.4 RESEARCH ASSUMPTIONS AND LIMITATIONS
 - 2.4.1 ASSUMPTIONS

3 EXECUTIVE SUMMARY

4 PREMIUM INSIGHTS

- 4.1 ATTRACTIVE OPPORTUNITIES IN THE GLOBAL FPGA MARKET
- 4.2 APAC FPGA MARKET, BY VERTICAL AND COUNTRY
- 4.3 FPGA MARKET, BY ARCHITECTURE
- 4.4 FPGA MARKET, BY TECHNOLOGY NODE
- 4.5 FPGA MARKET, BY VERTICAL
- 4.6 FPGA MARKET, BY GEOGRAPHY

5 MARKET OVERVIEW

5.1 MARKET SEGMENTATION

5.1.1 MARKET, BY TYPE

5.1.2 MARKET, BY ARCHITECTURE

5.1.3 MARKET, BY VERTICAL

5.1.4 MARKET, BY GEOGRAPHY

5.1.5 MARKET, BY TECHNOLOGY NODE

5.2 MARKET DYNAMICS

5.2.1 DRIVERS

5.2.1.1 Fast time-to-market

5.2.1.2 Low NRE cost per design

5.2.1.3 Growing demand for advanced driver assistance systems (ADAS)

5.2.2 RESTRAINTS

5.2.2.1 Inability of FPGAs to substitute ASIC devices

5.2.2.2 Only two startups in the last two decades

5.2.3 OPPORTUNITIES

5.2.3.1 End market dynamics create opportunities in new and traditional applications

5.2.3.2 Need of wireless communication and OTN

5.2.4 CHALLENGES

5.2.4.1 Lack of standardized verification techniques

6 INDUSTRY TRENDS

6.1 VALUE CHAIN ANALYSIS

6.2 INDUSTRY TRENDS

6.3 PORTER'S FIVE FORCES ANALYSIS

6.3.1 BARGAINING POWER OF SUPPLIERS

6.3.2 BARGAINING POWER OF BUYERS

6.3.3 THREAT OF SUBSTITUTES

6.3.4 THREAT OF NEW ENTRANTS

6.3.5 DEGREE OF COMPETITION

6.4 FPGA ECOSYSTEM

7 MARKET, BY TYPE

7.1 INTRODUCTION

7.2 HIGH-END FPGA

7.3 MID-END FPGA

7.4 LOW-END FPGA

8 MARKET, BY TECHNOLOGY NODE

8.1 INTRODUCTION

8.2 130NM

8.3 90NM

8.4 65NM

8.5 45/40NM

8.6 28NM-10NM

9 MARKET, BY ARCHITECTURE

9.1 INTRODUCTION

9.2 SRAM-BASED FPGA

9.3 ANTI-FUSE BASED FPGA

9.4 FLASH-BASED FPGA

10 FPGA MARKET, BY VERTICAL

10.1 INTRODUCTION

10.2 TELECOMMUNICATION

10.2.1 WIRED COMMUNICATION

10.2.1.1 Optical transport network (OTN)

10.2.1.2 Backhaul and access network

10.2.1.3 Network processing

10.2.1.4 Wired connectivity

10.2.1.5 Packet-based processing and switching

10.2.2 WIRELESS COMMUNICATION

10.2.2.1 Baseband

10.2.2.2 Wireless backhaul network

10.2.2.3 Radio

10.3 CONSUMER ELECTRONICS

10.3.1 MOBILE DEVICES

10.3.1.1 Smartphones

10.3.1.2 Tablets

10.3.2 ENTERTAINMENT DEVICES

10.3.2.1 Portable audio video players

- 10.3.2.2 Gaming consoles
- 10.3.2.3 Digital TVs
- 10.3.2.4 Digital cameras
- 10.3.3 OTHERS
 - 10.3.3.1 Printer
 - 10.3.3.2 Home automation and networking
 - 10.3.3.3 Set-top box (STB)
 - 10.3.3.4 Video projector
- 10.4 AUTOMOTIVE
 - 10.4.1 ADVANCE DRIVER ASSISTANCE SYSTEMS (ADAS)
 - 10.4.2 AUTOMOTIVE INFOTAINMENT & DRIVER INFORMATION SYSTEM
 - 10.4.3 E-VEHICLES AND POWER TRAINS
 - 10.4.4 OTHERS
- 10.5 INDUSTRIAL
 - 10.5.1 INDUSTRIAL IMAGING
 - 10.5.1.1 Video Surveillance
 - 10.5.1.2 Machine Vision
 - 10.5.2 INDUSTRIAL NETWORKING
 - 10.5.3 INDUSTRIAL MOTOR CONTROL
- 10.6 AEROSPACE & DEFENSE
 - 10.6.1 AVIONICS
 - 10.6.2 MISSILES & MUNITIONS
 - 10.6.3 RADARS & SENSORS
 - 10.6.4 OTHERS
- 10.7 MEDICAL
 - 10.7.1 IMAGING
 - 10.7.1.1 Ultrasound
 - 10.7.1.2 CT Scanner
 - 10.7.1.3 MRI
 - 10.7.1.4 X-Ray
 - 10.7.2 NON-IMAGING
 - 10.7.2.1 Surgical systems
 - 10.7.2.2 Patient monitoring
 - 10.7.2.3 Others
- 10.8 DATA CENTER & COMPUTING
 - 10.8.1 DATA CENTERS
 - 10.8.1.1 Data Servers
 - 10.8.1.2 Data Storage
 - 10.8.2 COMPUTING

- 10.8.2.1 Network Appliances
- 10.8.2.2 Switching & Routing

11 MARKET, BY GEOGRAPHY

- 11.1 INTRODUCTION
- 11.2 NORTH AMERICA
 - 11.2.1 U.S.
 - 11.2.2 CANADA
 - 11.2.3 MEXICO
- 11.3 EUROPE
 - 11.3.1 U.K.
 - 11.3.2 FRANCE
 - 11.3.3 GERMANY
 - 11.3.4 REST OF EUROPE
- 11.4 ASIA-PACIFIC
 - 11.4.1 CHINA
 - 11.4.2 JAPAN
 - 11.4.3 REST OF APAC
- 11.5 ROW
 - 11.5.1 MIDDLE EAST
 - 11.5.2 SOUTH AMERICA
 - 11.5.3 AFRICA

12 COMPETITIVE LANDSCAPE

- 12.1 INTRODUCTION
- 12.2 MARKET SHARE ANALYSIS, 2014
- 12.3 COMPETITIVE SITUATION AND TRENDS
 - 12.3.1 NEW PRODUCT LAUNCHES, DEVELOPMENTS, AND DEMONSTRATIONS
 - 12.3.2 COLLABORATIONS AND PARTNERSHIPS
 - 12.3.3 MERGERS & ACQUISITIONS
 - 12.3.4 OTHERS

13 COMPANY PROFILES

(Overview, Products and Services, Financials, Strategy & Development)*

- 13.1 INTRODUCTION

13.2 XILINX INC.

13.3 MICROSEMI CORPORATION

13.4 LATTICE SEMICONDUCTOR

13.5 ALTERA CORPORATION

13.6 TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY LTD. (TSMC)

13.7 ATMEL CORPORATION

13.8 ACHRONIX SEMICONDUCTOR CORP

13.9 S2C INC.

13.10 UNITED MICROELECTRONICS CORPORATION

13.11 GLOBALFOUNDRIES

*Details on Overview, Products and Services, Financials, Strategy & Development might not be Captured in case of Unlisted Companies

14 APPENDIX

14.1 INSIGHTS OF INDUSTRY EXPERTS

14.2 DISCUSSION GUIDE

14.3 INTRODUCING RT: REAL-TIME MARKET INTELLIGENCE

14.4 AVAILABLE CUSTOMIZATIONS

14.5 RELATED REPORTS

List Of Tables

LIST OF TABLES

TABLE 1 GLOBAL PLD MARKET, BY TYPE, 2013–2022 (USD MILLION)

TABLE 2 FAST TIME-TO-MARKET IS PROPELLING THE GROWTH OF THE FPGA MARKET

TABLE 3 THE INABILITY OF FPGAS TO SUBSTITUTE ASIC DEVICES IS RESTRAINING THE MARKET GROWTH

TABLE 4 END MARKET DYNAMICS IS CREATING NEW OPPORTUNITIES FOR PLAYERS IN THE FPGA MARKET

TABLE 5 CHALLENGES FOR THE GROWTH OF THE FPGA MARKET

TABLE 6 TYPES OF FPGA, BY COMPANY

TABLE 7 FPGA MARKET SIZE, BY TYPE, 2013–2022 (USD MILLION)

TABLE 8 HIGH-END: FPGA MARKET SIZE, BY TECHNOLOGY NODE, 2013–2022 (USD MILLION)

TABLE 9 MID-END: FPGA MARKET SIZE, BY TECHNOLOGY NODE, 2013–2022 (USD MILLION)

TABLE 10 LOW-END: FPGA MARKET SIZE, BY TECHNOLOGY NODE, 2013–2022 (USD MILLION)

TABLE 11 FPGA MARKET SIZE, BY TECHNOLOGY NODE, 2013–2022 (USD MILLION)

TABLE 12 130NM: FPGA MARKET SIZE, BY TYPE, 2013–2022 (USD MILLION)

TABLE 13 90NM: FPGA MARKET SIZE, BY TYPE, 2013–2022 (USD MILLION)

TABLE 14 65NM: FPGA MARKET SIZE, BY TYPE, 2013–2022 (USD MILLION)

TABLE 15 45/40NM: FPGA MARKET SIZE, BY TYPE, 2013–2022 (USD MILLION)

TABLE 16 28NM-10NM: FPGA MARKET SIZE, BY TYPE, 2013–2022 (USD MILLION)

TABLE 17 COMPARISON OF DIFFERENT FPGA PROGRAMMING TECHNOLOGIES

TABLE 18 FPGA MARKET SIZE, BY ARCHITECTURE, 2013–2022 (USD MILLION)

TABLE 19 SRAM: FPGA MARKET SIZE, BY VERTICAL, 2013–2022 (USD MILLION)

TABLE 20 FLASH: FPGA MARKET SIZE, BY VERTICAL, 2013–2022 (USD MILLION)

TABLE 21 FPGA MARKET SIZE, BY VERTICAL, 2013–2022 (USD MILLION)

TABLE 22 TELECOMMUNICATION: FPGA MARKET SIZE, BY TYPE, 2013–2022 (USD MILLION)

TABLE 23 TELECOMMUNICATION: FPGA MARKET SIZE, BY REGION, 2013–2022 (USD MILLION)

TABLE 24 TELECOMMUNICATION: FPGA MARKET SIZE, BY ARCHITECTURE, 2013–2022 (USD MILLION)

TABLE 25 WIRED TELECOMMUNICATION: FPGA MARKET SIZE, BY REGION,

FPGA Market by Type (High-End, Mid-End, Low-End), Verticals (Telecommunication, Industrial, A&D, Automotive, &...

2013–2022 (USD MILLION)

TABLE 26 WIRED TELECOMMUNICATION: FPGA MARKET SIZE, BY APPLICATION, 2013–2022 (USD MILLION)

TABLE 27 WIRELESS TELECOMMUNICATION: FPGA MARKET SIZE, BY APPLICATION, 2013–2022 (USD MILLION)

TABLE 28 WIRELESS TELECOMMUNICATION: FPGA MARKET SIZE, BY REGION, 2013–2022 (USD MILLION)

TABLE 29 CONSUMER ELECTRONICS: FPGA MARKET SIZE, BY DEVICE, 2013–2022 (USD MILLION)

TABLE 30 CONSUMER ELECTRONICS: FPGA MARKET SIZE, BY REGION, 2013–2022 (USD MILLION)

TABLE 31 CONSUMER ELECTRONICS: FPGA MARKET SIZE, BY ARCHITECTURE, 2013–2022 (USD MILLION)

TABLE 32 MOBILE DEVICES: FPGA MARKET SIZE, BY APPLICATION, 2013–2022 (USD MILLION)

TABLE 33 MOBILE DEVICES: FPGA MARKET SIZE, BY REGION, 2013–2022 (USD MILLION)

TABLE 34 ENTERTAINMENT DEVICES: FPGA MARKET SIZE, BY APPLICATION, 2013–2022 (USD MILLION)

TABLE 35 ENTERTAINMENT DEVICES: FPGA MARKET SIZE, BY GEOGRAPHY, 2013–2022 (USD MILLION)

TABLE 36 OTHERS: FPGA MARKET SIZE, BY APPLICATION, 2013–2022 (USD MILLION)

TABLE 37 OTHERS: FPGA MARKET SIZE, BY GEOGRAPHY, 2013–2022 (USD MILLION)

TABLE 38 AUTOMOTIVE: FPGA MARKET SIZE, BY APPLICATION, 2013–2022 (USD MILLION)

TABLE 39 AUTOMOTIVE: FPGA MARKET SIZE, BY REGION, 2013–2022 (USD MILLION)

TABLE 40 AUTOMOTIVE: FPGA MARKET SIZE, BY ARCHITECTURE, 2013–2022 (USD MILLION)

TABLE 41 INDUSTRIAL IMAGING: FPGA MARKET SIZE, BY APPLICATION, 2013–2022 (USD MILLION)

TABLE 42 INDUSTRIAL: FPGA MARKET SIZE, BY APPLICATION, 2013–2022 (USD MILLION)

TABLE 43 INDUSTRIAL: FPGA MARKET SIZE, BY GEOGRAPHY, 2013–2022 (USD MILLION)

TABLE 44 INDUSTRIAL: FPGA MARKET SIZE, BY ARCHITECTURE, 2013–2022 (USD MILLION)

TABLE 45 AEROSPACE & DEFENSE: FPGA MARKET SIZE, BY APPLICATION, 2013–2022 (USD MILLION)

TABLE 46 AEROSPACE & DEFENSE: FPGA MARKET SIZE, BY REGION, 2013–2022 (USD MILLION)

TABLE 47 AEROSPACE & DEFENSE: FPGA MARKET SIZE, BY ARCHITECTURE, 2013–2022 (USD MILLION)

TABLE 48 MEDICAL: FPGA MARKET SIZE, BY APPLICATION, 2013–2022 (USD MILLION)

TABLE 49 MEDICAL: FPGA MARKET SIZE, BY REGION, 2013–2022 (USD MILLION)

TABLE 50 MEDICAL: FPGA MARKET SIZE, BY ARCHITECTURE, 2013–2022 (USD MILLION)

TABLE 51 IMAGING: FPGA MARKET SIZE, BY APPLICATION, 2013–2022 (USD MILLION)

TABLE 52 IMAGING: FPGA MARKET SIZE, BY GEOGRAPHY, 2013–2022 (USD MILLION)

TABLE 53 NON-IMAGING: FPGA MARKET SIZE BY APPLICATION, 2013–2020 (USD MILLION)

TABLE 54 NON-IMAGING: FPGA MARKET SIZE, BY GEOGRAPHY, 2013–2022 (USD MILLION)

TABLE 55 DATA CENTER & COMPUTING: FPGA MARKET SIZE, BY APPLICATION, 2013–2022 (USD MILLION)

TABLE 56 DATA CENTER & COMPUTING: FPGA MARKET SIZE, BY REGION, 2013–2020 (USD MILLION)

TABLE 57 DATA CENTER: FPGA MARKET SIZE, BY APPLICATION, 2013–2022 (USD MILLION)

TABLE 58 DATA CENTER: FPGA MARKET SIZE, BY GEOGRAPHY, 2013–2022 (USD MILLION)

TABLE 59 COMPUTING: FPGA MARKET SIZE, BY APPLICATION, 2013–2022 (USD MILLION)

TABLE 60 COMPUTING: FPGA MARKET SIZE, BY GEOGRAPHY, 2013–2022 (USD MILLION)

TABLE 61 FPGA MARKET SIZE, BY REGION, 2013–2022 (USD MILLION)

TABLE 62 NORTH AMERICA: FPGA MARKET SIZE, BY COUNTRY, 2013–2022 (USD MILLION)

TABLE 63 NORTH AMERICA: FPGA MARKET SIZE, BY INDUSTRY, 2013–2022 (USD MILLION)

TABLE 64 EUROPE: FPGA MARKET SIZE, BY COUNTRY, 2013–2022 (USD MILLION)

TABLE 65 EUROPE: FPGA MARKET SIZE, BY INDUSTRY, 2013–2022 (USD

MILLION)

TABLE 66 APAC: FPGA MARKET SIZE, BY COUNTRY, 2013–2022 (USD MILLION)

TABLE 67 APAC: FPGA MARKET SIZE, BY VERTICAL, 2013–2022 (USD MILLION)

TABLE 68 ROW: FPGA MARKET SIZE, BY COUNTRY, 2013–2022 (USD MILLION)

TABLE 69 ROW: FPGA MARKET SIZE, BY VERTICAL, 2013–2022 (USD MILLION)

TABLE 70 NEW PRODUCT LAUNCHES, DEVELOPMENTS, & DEMONSTRATIONS
IN THE FIELD PROGRAMMABLE GATE ARRAY MARKET, 2015

TABLE 71 COLLABORATIONS AND PARTNERSHIPS IN THE FPGA MARKET,
2013–2015

TABLE 72 MERGERS & ACQUISITIONS, 2015

TABLE 73 OTHERS, 2015

List Of Figures

LIST OF FIGURES

FIGURE 1 FPGA MARKET

FIGURE 2 FPGA MARKET: RESEARCH DESIGN

FIGURE 3 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH

FIGURE 4 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH

FIGURE 5 DATA TRIANGULATION

FIGURE 6 GLOBAL PLD MARKET, 2013–2022 (USD BILLION)

FIGURE 7 FPGA MARKET, BY TECHNOLOGY NODE: MARKET FOR 28NM-10NM EXPECTED TO GROW AT A HIGH RATE, 2015–2022

FIGURE 8 FPGA MARKET, BY TYPE: HIGH-END MARKET EXPECTED TO CONTINUE TO DOMINATE THE MARKET BY 2022

FIGURE 9 GLOBAL FPGA MARKET, BY VERTICAL: APPLICATIONS IN AUTOMOTIVE AND MEDICAL EXPECTED TO EXHIBIT HIGH GROWTH DURING THE FORECAST PERIOD

FIGURE 10 FPGA MARKET, BY ARCHITECTURE: SRAM-BASED FPGAS EXPECTED TO LEAD THE MARKET DURING THE FORECAST PERIOD

FIGURE 11 GLOBAL FIELD PROGRAMMABLE GATE ARRAY MARKET SHARE, BY REGION, 2015

FIGURE 12 THE GLOBAL FPGA MARKET HAS LUCRATIVE GROWTH OPPORTUNITIES

FIGURE 13 TELECOMMUNICATION AND INDUSTRIAL VERTICALS TO HOLD A LARGE SHARE OF THE MARKET IN 2016

FIGURE 14 FLASH-BASED FPGAS EXPECTED TO EXHIBIT HIGHEST GROWTH DURING THE FORECAST PERIOD

FIGURE 15 MARKET FOR THE 28NM-10NM TECHNOLOGY NODE EXPECTED TO LEAD AND GROW AT THE HIGHEST RATE

FIGURE 16 TELECOMMUNICATION IS EXPECTED TO CONTINUE TO DOMINATE THE MARKET

FIGURE 17 APAC EXPECTED TO CONTINUE TO LEAD THE MARKET DURING THE FORECAST PERIOD

FIGURE 18 FPGA MARKET, BY GEOGRAPHY

FIGURE 19 FPGA MARKET, BY TECHNOLOGY NODE

FIGURE 20 FAST TIME-TO-MARKET: KEY DRIVER FOR FPGA

FIGURE 21 GLOBAL MARKET FOR ADAS: GROWTH TREND FROM 2012 TO 2020

FIGURE 22 OTN APPLICATION: A HUGE GROWTH OPPORTUNITY FOR FPGA MARKET

FIGURE 23 VALUE CHAIN ANALYSIS: MAJOR VALUE IS ADDED BY WAFER DEVELOPMENT AND MANUFACTURERS

FIGURE 24 COLLABORATION IS THE LEADING TREND AMONG THE KEY MARKET PLAYERS

FIGURE 25 PORTER'S FIVE FORCES ANALYSIS, 2015

FIGURE 26 GRAPHICAL REPRESENTATION OF PORTER'S FIVE FORCES ANALYSIS, 2015

FIGURE 27 FPGA MARKET: BARGAINING POWER OF SUPPLIERS, 2015

FIGURE 28 FPGA MARKET: BARGAINING POWER OF BUYERS, 2015

FIGURE 29 FPGA MARKET: THREAT OF SUBSTITUTES, 2015

FIGURE 30 FPGA MARKET: THREAT OF NEW ENTRANTS, 2015

FIGURE 31 FPGA MARKET: DEGREE OF COMPETITION, 2015

FIGURE 32 FPGA ECOSYSTEM

FIGURE 33 FPGA MARKET SIZE, BY TYPE, 2015–2022: MID-END FPGA IS EXPECTED TO HAVE THE HIGHEST GROWTH RATE

FIGURE 34 FPGA MARKET SIZE, BY TECHNOLOGY NODE, 2013–2022:

28NM-10NM IS EXPECTED TO HAVE THE HIGHEST GROWTH RATE

FIGURE 35 FPGA MARKET SIZE, BY ARCHITECTURE, 2015–2022: SRAM BASED FPGAS ARE EXPECTED TO DOMINATE THE MARKET DURING THE FORECAST PERIOD

FIGURE 36 IP SECURITY AT ALL LEVELS IN ANTIFUSE FPGA

FIGURE 37 ANTIFUSE: FPGA MARKET SIZE, BY VERTICAL, 2013–2022 (USD MILLION)

FIGURE 38 BENEFITS OF FLASH-BASED FPGA

FIGURE 39 FPGA MARKET, BY VERTICAL

FIGURE 40 TELECOMMUNICATION VERTICAL TO LEAD THE GLOBAL FPGA MARKET FROM 2015–2022

FIGURE 41 WIRELESS TELECOMMUNICATION WOULD PLAY A MAJOR ROLE IN THE FPGA MARKET FROM 2015–2022

FIGURE 42 OPTICAL TRANSPORT NETWORK TO HOLD THE LARGEST SHARE OF THE FPGA MARKET FOR WIRED TELECOMMUNICATION, 2015–2022

FIGURE 43 DEMAND FOR FPGAS IN WIRELESS TELECOM VERTICAL EXPECTED TO BE DRIVEN BY RADIO APPLICATION, 2015–2022

FIGURE 44 MOBILE DEVICES EXPECTED TO LEAD THE FPGA MARKET FOR CONSUMER ELECTRONICS DURING THE FORECAST PERIOD

FIGURE 45 SMARTPHONE SALES WORLDWIDE, BY REGION, 2013–2015 (USD BILLION)

FIGURE 46 AUTOMOTIVE INFOTAINMENT AND DRIVER INFORMATION SYSTEMS EXPECTED TO HOLD A LARGE SHARE OF THE FPGA MARKET FOR

AUTOMOTIVE, 2015–2022

FIGURE 47 INDUSTRIAL NETWORKING EXPECTED TO WITNESS HIGHEST GROWTH, 2016–2022

FIGURE 48 NON-IMAGING APPLICATIONS EXPECTED TO WITNESS HIGH GROWTH IN THE FPGA MARKET FOR THE MEDICAL SECTOR, 2015–2022 (USD MILLION)

FIGURE 49 DATA SERVERS EXPECTED TO HOLD THE LARGEST SHARE OF THE FPGA MARKET FOR DATA CENTER & COMPUTING, 2015–2022

FIGURE 50 DATA CENTER & COMPUTING: FPGA MARKET SIZE, BY ARCHITECTURE, 2013–2022 (USD MILLION)

FIGURE 51 GEOGRAPHIC SNAPSHOT (2015)–CHINA EXPECTED TO BE THE FASTEST-GROWING MARKET FOR FPGAS

FIGURE 52 NORTH AMERICA: MARKET SNAPSHOT

FIGURE 53 EUROPE: MARKET SNAPSHOT

FIGURE 54 SMARTPHONE OWNERSHIP: CHINA HAS THE HIGHEST NUMBER OF SMARTPHONE OWNERS, 2015

FIGURE 55 APAC: MARKET SNAPSHOT

FIGURE 56 GLOBAL VEHICLE PRODUCTION, BY COUNTRY, 2014

FIGURE 57 ROW: FPGA MARKET SIZE, BY REGION, 2015-2022: MIDDLE EAST IS EXPECTED TO DOMINATE THE MARKET DURING THE ENTIRE FORECAST PERIOD

FIGURE 58 PRODUCT INNOVATION IS THE KEY GROWTH STRATEGY ADOPTED BY PLAYERS (2010–2015)

FIGURE 59 GLOBAL FPGA MARKET SHARE, BY KEY PLAYER, 2014

FIGURE 60 BATTLE FOR MARKET SHARE: NEW PRODUCT LAUNCH WAS THE KEY STRATEGY ADOPTED

FIGURE 61 GEOGRAPHIC REVENUE MIX OF TOP FOUR PLAYERS

FIGURE 62 XILINX INC.: COMPANY SNAPSHOT

FIGURE 63 XILINX INC.: SWOT ANALYSIS

FIGURE 64 MICROSEMI CORPORATION: COMPANY SNAPSHOT

FIGURE 65 MICROSEMI CORPORATION: SWOT ANALYSIS

FIGURE 66 LATTICE SEMICONDUCTOR: COMPANY SNAPSHOT

FIGURE 67 LATTICE SEMICONDUCTOR: SWOT ANALYSIS

FIGURE 68 ALTERA CORPORATION: COMPANY SNAPSHOT

FIGURE 69 ALTERA CORPORATION: SWOT ANALYSIS

FIGURE 70 TSMC: COMPANY SNAPSHOT

FIGURE 71 TSMC: SWOT ANALYSIS

FIGURE 72 ATMEL CORPORATION: COMPANY SNAPSHOT

FIGURE 73 UNITED MICROELECTRONICS CORPORATION: COMPANY

SNAPSHOT

I would like to order

Product name: FPGA Market by Type (High-End, Mid-End, Low-End), Verticals (Telecommunication, Industrial, A&D, Automotive, & Others), Architecture (Sram, Flash, & Antifuse), Technology Node (28nm-10nm, 45/40nm, & Others), and Geography - Forecast to 2022

Product link: <https://marketpublishers.com/r/F4C48067778EN.html>

Price: US\$ 5,650.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/F4C48067778EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970