

Global Electronic Design Automation (EDA) Market: Size, Trends and Forecasts (2016-2020)

<https://marketpublishers.com/r/GA0DB9801A3EN.html>

Date: December 2016

Pages: 64

Price: US\$ 800.00 (Single User License)

ID: GA0DB9801A3EN

Abstracts

Scope of the Report

The report titled “Global Electronic Design Automation (EDA) Market: Size, Trends and Forecasts (2016-2020)” provides an in-depth analysis of the global electronic design automation market with detailed analysis of market size on the basis of value along with the comprehensive examination of each of the segments of the market, namely, Computer-Aided Engineering, IC Physical Design & Verification, Semiconductor Intellectual Property (SIP), PCB & MCM and Services.

The report provides detailed regional analysis of the Americas, Asia-Pacific and Europe, Middle East & Africa (EMEA). The regional analysis of the Asia-Pacific EDA markets include market size by value along with the analysis of the Japanese EDA market in comparison to rest of the Asia-Pacific region.

Furthermore, it highlights key opportunities in the market and outlines the factors that are and will be driving the growth of the industry. Growth of the overall global electronic design automation market has also been forecasted for the period 2016-2020, taking into consideration the previous growth patterns, the growth drivers and the current and future trends. The competition in the global EDA market is stiff and dominated by the big players like Synopsis. Further, key players of the market Cadence Design Systems and Mentor Graphics are also profiled with their financial information and respective business strategies.

Regional Coverage

Americas

Asia-Pacific

Europe, Middle East and Africa (EMEA)

Japan

Company Coverage

Synopsys, Inc.

Cadence Design Systems, Inc.

Mentor Graphics Corporation

Executive Summary

The global electronic design automation (EDA) market witnessed an upsurge at a significant CAGR during the span of 5 years, i.e., 2010-2015 and projections are made that the market would rise in the next five years i.e. 2016-2020 tremendously. The market is spread across Asia Pacific, Americas and Europe, Middle East & Africa. Among these regions, the Americas held the largest share, followed by the Asia-Pacific region.

The electronic design automation market can be segmented on the basis of the products in Computer-Aided Engineering, IC Physical Design & Verification, Semiconductor Intellectual Property (SIP), PCB & MCM and Services. The market is led by the Semiconductor Intellectual Property (SIP), followed by Computer-Aided Engineering (CAE) and IC Physical Design & Verification. Although, Services segment is still emerging in the global EDA market.

The major growth drivers for the global electronic design automation (EDA) market are: chip design complexity, emergence of Internet of Thing (IoT), slowing of Moore's law, adoption of FibFet architecture and demand for miniaturized devices. Despite the market is governed by various growth drivers, there are certain challenges faced by the market such as scalable design methodologies, customer & industry consolidation, rapid changes in the industry standards & customer requirements, uncertain global

economy and highly competitive environment. Some of the recent trends in the market include the emergence of EDA technology in various industries, especially biology systems.

Contents

1. EXECUTIVE SUMMARY

2. INTRODUCTION

- 2.1 Introduction to Electronic Design Automation (EDA)
- 2.2 Electronics Design Automation Value Chain
- 2.3 Electronics Design Automation Process Flow
- 2.4 Electronic Design Automation Market Segments

3. GLOBAL MARKET ANALYSIS

- 3.1 Global EDA Market by Value
- 3.2 Global EDA Market by Segments
 - 3.2.1 Global EDA Semiconductor Intellectual Property (SIP) Market by Value
 - 3.2.2 Global EDA Computer-Aided Engineering (CAE) Market by Value
 - 3.2.3 Global EDA IC Physical Design and Verification Market by Value
 - 3.2.4 Global EDA PCB & MCM Market by Value
 - 3.2.5 Global EDA Services Market by Value
- 3.3 Global EDA Market as a Share of Semiconductor Market
- 3.4 Global EDA Market Employees by Volume
- 3.5 Global EDA Market by Region

4. REGIONAL MARKET ANALYSIS

- 4.1 Americas EDA Market by Value
- 4.2 Asia-Pacific EDA Market Analysis
 - 4.2.1 Asia-Pacific EDA Market by Value
 - 4.2.2 Asia-Pacific EDA Market by Region
 - 4.2.3 Japan EDA Market by Value
- 4.3 EMEA Market by Value

5. MARKET DYNAMICS

- 5.1 Growth Drivers
 - 5.1.1 Chip Design Complexity
 - 5.1.2 Emergence of Internet of Thing (IoT)
 - 5.1.3 Slowing of Moore's Law

5.1.4 Adoption of FinFet Architecture

5.1.5 Demand for Miniaturized Electronic Devices

5.2 Challenges

5.2.1 Scalable Design Methodologies

5.2.2 Customer and Industry Consolidation

5.2.3 Rapid Changes in the Industry Standards and Customer Requirements

5.2.4 Uncertain Global Economy

5.2.5 Highly Competitive Environment

5.3 Market Trends

5.3.1 Emergence of EDA in Biology System

5.3.2 Emerging Markets for EDA Technology

6. COMPETITIVE LANDSCAPE

6.1 Global EDA Market by Players

6.2 Global EDA Market Landscape

7. COMPANY PROFILING

7.1 Synopsys, Inc.

7.1.1 Business Overview

7.1.2 Financial Overview

7.1.3 Business Strategy

7.2 Cadence Design Systems. Inc.

7.2.1 Business Overview

7.2.2 Financial Overview

7.2.3 Business Strategy

7.3 Mentor Graphics Coporation

7.3.1 Business Overview

7.3.2 Financial Overview

7.3.3 Business Strategy

List Of Figures

LIST OF FIGURES

- Figure 1: EDA Value Chain
- Figure 2: EDA Process Flow
- Figure 3: EDA Market Segments by Products
- Figure 4: Global EDA Market by Value; 2010-2015 (US\$ Billion)
- Figure 5: Global EDA Market by Value; 2016E-2020E (US\$ Billion)
- Figure 6: Global EDA Market by Segments; 2015 (%)
- Figure 7: Global EDA SIP Market by Value; 2010-2015 (US\$ Billion)
- Figure 8: Global EDA SIP Market by Value; 2016E-2020E (US\$ Billion)
- Figure 9: Global EDA CAE Market by Value; 2010-2015 (US\$ Billion)
- Figure 10: Global EDA CAE Market by Value; 2016E-2020E (US\$ Billion)
- Figure 11: Global EDA IC Physical Design & Verification Market by Value; 2010-2015 (US\$ Billion)
- Figure 12: Global EDA IC Physical Design & Verification Market by Value; 2016E-2020E (US\$ Billion)
- Figure 13: Global EDA PCB & MCM Market by Value; 2010-2015 (US\$ Million)
- Figure 14: Global EDA PCB & MCM Market by Value; 2016E-2020E (US\$ Million)
- Figure 15: Global EDA Services Market by Value; 2010-2015 (US\$ Million)
- Figure 16: Global EDA Services Market by Value; 2016E-2020E (US\$ Million)
- Figure 17: Global EDA Market as a Share of Semiconductor Market; 2010-2015 (%)
- Figure 18: Global EDA Market Employees by Volume; 2011-2015 (Thousand)
- Figure 19: Global EDA Market by Region; 2015 (%)
- Figure 20: Americas EDA Market by Value; 2010-2015 (US\$ Billion)
- Figure 21: Asia-Pacific EDA Market by Value; 2010-2015 (US\$ Billion)
- Figure 22: Asia-Pacific EDA Market by Region; 2015 (%)
- Figure 23: Japan EDA Market by Value; 2010-2015 (US\$ Million)
- Figure 24: EMEA EDA Market by Value; 2010-2015 (US\$ Billion)
- Figure 25: Average Ship Design Complexity; 2003-2013 (%)
- Figure 26: Global Internet of Thing (IoT) Market by Value; 2014-2020E (US\$ Trillion)
- Figure 27: Global EDA Market by Players; 2015 (%)
- Figure 28: Global EDA Market Landscape; 2015 (%)
- Figure 29: SNPS Total Revenue; 2012-2016 (US\$ Billion)
- Figure 30: SNPS Revenue by Business Segments; 2016 (%)
- Figure 31: SNPS Revenue by Region; 2016 (%)
- Figure 32: CDNS Total Revenue; 2011-2015 (US\$ Billion)
- Figure 33: CDNS Revenue by Business Segments; 2015 (%)

Figure 34: CDNS Revenue by Region; 2015 (%)

Figure 35: MENT Total Revenue; 2012-2016 (US\$ Billion)

Figure 36: MENT Revenue by Business Segments; 2016 (%)

Figure 37: MENT Revenue by Region; 2016 (%)

I would like to order

Product name: Global Electronic Design Automation (EDA) Market: Size, Trends and Forecasts (2016-2020)

Product link: <https://marketpublishers.com/r/GA0DB9801A3EN.html>

Price: US\$ 800.00 (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/GA0DB9801A3EN.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

