

Global Electronic Design Automation Software Market Size study, By End-use (Microprocessors & Controllers, Memory Management Unit (MMU), Others), and Regional Forecasts 2022-2028

<https://marketpublishers.com/r/GC4F68BD5705EN.html>

Date: May 2022

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: GC4F68BD5705EN

Abstracts

Global Electronic Design Automation Software Market is valued approximately USD XX million in 2021 and is anticipated to grow with a healthy growth rate of more than XX % over the forecast period 2022-2028. Electronic Design Automation Software refers to a category of software tools utilized to design electronic systems such as semiconductors, integrated circuits, and printed circuit boards among others. Use of EDA Software offers several advantages such as minimizing time in designing complex ICs, eliminating manufacturing errors, reducing manufacturing costs, optimizing the IC design and simplicity of usage etc. The growing Semiconductor Industry and increasing demand for smart consumer electronic devices as well as recent collaboration and partnership activities are factors that are accelerating the global market demand. For instance, according to Statista – in 2021, the global semiconductor market was estimated at USD 620.81 billion, and it is projected to grow to USD 831.5 billion by end of 2024.

Furthermore, in February 2022, United States based Simulation Software provider Ansys and Intel Foundry Services (IFS) entered into a partnership agreement. Under this partnership Ansys would provide EDA tools and simulation solutions to IFS. Also, growing penetration of Machine Learning (ML) and Artificial Intelligence (AI) technologies. And rising focus towards automation of manufacturing processes are anticipated to act as a catalyzing factor for the market demand during the forecast period. However, availability of open-source EDA software and high cost associated with EDA Software impede the growth of the market over the forecast period of 2022-2028.

The key regions considered for the global Electronic Design Automation Software

Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. North America is the leading region across the world in terms of market share owing to growing adoption of advanced technologies such as 5G, machine learning, and artificial intelligence and presence of key market players in the region. Whereas, Asia Pacific is anticipated to exhibit a significant growth rate over the forecast period 2022-2028. Factors such as growing demand for electronic devices and presence of leading semiconductor companies in the region, would create lucrative growth prospects for the Electronic Design Automation Software Market across the Asia Pacific region.

Major market players included in this report are:

Aldec Inc
Altair Engineering Inc.
Altium LLC.
Ansys Inc.
Autodesk Inc.
Cadence Design Systems, Inc
Keysight Technologies.
Mentor.
Silvaco Inc.
Synopsys Inc.

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By End-use

Microprocessors & Controllers

Memory Management Unit (MMU)

Others

By Region:

North America

U.S.

Canada
Europe
UK
Germany
France
Spain
Italy
ROE

Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019, 2020

Base year – 2021

Forecast period – 2022 to 2028

Target Audience of the Global Electronic Design Automation Software Market in Market Study:

Key Consulting Companies & Advisors
Large, medium-sized, and small enterprises
Venture capitalists
Value-Added Resellers (VARs)
Third-party knowledge providers
Investment bankers
Investors

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2028 (USD Million)
 - 1.2.1. Global Electronic Design Automation Software Market, by Region, 2020-2028 (USD Million)
 - 1.2.2. Global Electronic Design Automation Software Market, by End-use, 2020-2028 (USD Million)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL ELECTRONIC DESIGN AUTOMATION SOFTWARE MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Scope of the Study
 - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL ELECTRONIC DESIGN AUTOMATION SOFTWARE MARKET DYNAMICS

- 3.1. Electronic Design Automation Software Market Impact Analysis (2020-2028)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Growing Semiconductor Industry.
 - 3.1.1.2. Increasing demand for smart consumer electronic devices.
 - 3.1.1.3. Recent collaboration and partnership activities.
 - 3.1.2. Market Challenges
 - 3.1.2.1. Availability of open-source EDA software
 - 3.1.2.2. High cost associated with EDA Software.
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Growing penetration of Machine Learning (ML) and Artificial Intelligence (AI) technologies.
 - 3.1.3.2. Rising focus towards automation of manufacturing processes.

CHAPTER 4. GLOBAL ELECTRONIC DESIGN AUTOMATION SOFTWARE MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers
 - 4.1.2. Bargaining Power of Buyers
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
 - 4.1.6. Futuristic Approach to Porter's 5 Force Model (2018-2028)
- 4.2. PEST Analysis
 - 4.2.1. Political
 - 4.2.2. Economical
 - 4.2.3. Social
 - 4.2.4. Technological
- 4.3. Investment Adoption Model
- 4.4. Analyst Recommendation & Conclusion
- 4.5. Top investment opportunity
- 4.6. Top winning strategies

CHAPTER 5. RISK ASSESSMENT: COVID-19 IMPACT

- 5.1.1. Assessment of the overall impact of COVID-19 on the industry
- 5.1.2. Pre COVID-19 and post COVID-19 Market scenario

CHAPTER 6. GLOBAL ELECTRONIC DESIGN AUTOMATION SOFTWARE MARKET, BY END-USE

- 6.1. Market Snapshot
- 6.2. Global Electronic Design Automation Software Market by End-use, Performance - Potential Analysis
- 6.3. Global Electronic Design Automation Software Market Estimates & Forecasts by End-use 2018-2028 (USD Million)
- 6.4. Electronic Design Automation Software Market, Sub Segment Analysis
 - 6.4.1. Microprocessors & Controllers
 - 6.4.2. Memory Management Unit (MMU)
 - 6.4.3. Others

CHAPTER 7. GLOBAL ELECTRONIC DESIGN AUTOMATION SOFTWARE MARKET, REGIONAL ANALYSIS

- 7.1. Electronic Design Automation Software Market, Regional Market Snapshot
- 7.2. North America Electronic Design Automation Software Market
 - 7.2.1. U.S. Electronic Design Automation Software Market
 - 7.2.1.1. End-use estimates & forecasts, 2018-2028
 - 7.2.2. Canada Electronic Design Automation Software Market
- 7.3. Europe Electronic Design Automation Software Market Snapshot
 - 7.3.1. U.K. Electronic Design Automation Software Market
 - 7.3.2. Germany Electronic Design Automation Software Market
 - 7.3.3. France Electronic Design Automation Software Market
 - 7.3.4. Spain Electronic Design Automation Software Market
 - 7.3.5. Italy Electronic Design Automation Software Market
 - 7.3.6. Rest of Europe Electronic Design Automation Software Market
- 7.4. Asia-Pacific Electronic Design Automation Software Market Snapshot
 - 7.4.1. China Electronic Design Automation Software Market
 - 7.4.2. India Electronic Design Automation Software Market
 - 7.4.3. Japan Electronic Design Automation Software Market
 - 7.4.4. Australia Electronic Design Automation Software Market
 - 7.4.5. South Korea Electronic Design Automation Software Market
 - 7.4.6. Rest of Asia Pacific Electronic Design Automation Software Market
- 7.5. Latin America Electronic Design Automation Software Market Snapshot
 - 7.5.1. Brazil Electronic Design Automation Software Market
 - 7.5.2. Mexico Electronic Design Automation Software Market
- 7.6. Rest of The World Electronic Design Automation Software Market

CHAPTER 8. COMPETITIVE INTELLIGENCE

- 8.1. Top Market Strategies
- 8.2. Company Profiles
 - 8.2.1. Aldec Inc.
 - 8.2.1.1. Key Information
 - 8.2.1.2. Overview
 - 8.2.1.3. Financial (Subject to Data Availability)
 - 8.2.1.4. Product Summary
 - 8.2.1.5. Recent Developments
 - 8.2.2. Altair Engineering Inc.
 - 8.2.3. Altium LLC.

- 8.2.4. Ansys Inc.
- 8.2.5. Autodesk Inc.
- 8.2.6. Cadence Design Systems, Inc
- 8.2.7. Keysight Technologies.
- 8.2.8. Mentor.
- 8.2.9. Silvaco Inc.
- 8.2.10. Synopsys Inc.

CHAPTER 9. RESEARCH PROCESS

- 9.1. Research Process
 - 9.1.1. Data Mining
 - 9.1.2. Analysis
 - 9.1.3. Market Estimation
 - 9.1.4. Validation
 - 9.1.5. Publishing
- 9.2. Research Attributes
- 9.3. Research Assumption

List Of Tables

LIST OF TABLES

- TABLE 1. Global Electronic Design Automation Software Market, report scope
- TABLE 2. Global Electronic Design Automation Software Market estimates & forecasts by Region 2018-2028 (USD Million)
- TABLE 3. Global Electronic Design Automation Software Market estimates & forecasts by End-use 2018-2028 (USD Million)
- TABLE 4. Global Electronic Design Automation Software Market by segment, estimates & forecasts, 2018-2028 (USD Million)
- TABLE 5. Global Electronic Design Automation Software Market by region, estimates & forecasts, 2018-2028 (USD Million)
- TABLE 6. Global Electronic Design Automation Software Market by segment, estimates & forecasts, 2018-2028 (USD Million)
- TABLE 7. Global Electronic Design Automation Software Market by region, estimates & forecasts, 2018-2028 (USD Million)
- TABLE 8. Global Electronic Design Automation Software Market by segment, estimates & forecasts, 2018-2028 (USD Million)
- TABLE 9. Global Electronic Design Automation Software Market by region, estimates & forecasts, 2018-2028 (USD Million)
- TABLE 10. Global Electronic Design Automation Software Market by segment, estimates & forecasts, 2018-2028 (USD Million)
- TABLE 11. Global Electronic Design Automation Software Market by region, estimates & forecasts, 2018-2028 (USD Million)
- TABLE 12. Global Electronic Design Automation Software Market by segment, estimates & forecasts, 2018-2028 (USD Million)
- TABLE 13. Global Electronic Design Automation Software Market by region, estimates & forecasts, 2018-2028 (USD Million)
- TABLE 14. U.S. Electronic Design Automation Software Market estimates & forecasts, 2018-2028 (USD Million)
- TABLE 15. U.S. Electronic Design Automation Software Market estimates & forecasts by segment 2018-2028 (USD Million)
- TABLE 16. U.S. Electronic Design Automation Software Market estimates & forecasts by segment 2018-2028 (USD Million)
- TABLE 17. Canada Electronic Design Automation Software Market estimates & forecasts, 2018-2028 (USD Million)
- TABLE 18. Canada Electronic Design Automation Software Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 19. Canada Electronic Design Automation Software Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 20. UK Electronic Design Automation Software Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 21. UK Electronic Design Automation Software Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 22. UK Electronic Design Automation Software Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 23. Germany Electronic Design Automation Software Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 24. Germany Electronic Design Automation Software Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 25. Germany Electronic Design Automation Software Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 26. RoE Electronic Design Automation Software Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 27. RoE Electronic Design Automation Software Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 28. RoE Electronic Design Automation Software Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 29. China Electronic Design Automation Software Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 30. China Electronic Design Automation Software Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 31. China Electronic Design Automation Software Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 32. India Electronic Design Automation Software Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 33. India Electronic Design Automation Software Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 34. India Electronic Design Automation Software Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 35. Japan Electronic Design Automation Software Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 36. Japan Electronic Design Automation Software Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 37. Japan Electronic Design Automation Software Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 38. RoAPAC Electronic Design Automation Software Market estimates &

forecasts, 2018-2028 (USD Million)

TABLE 39. RoAPAC Electronic Design Automation Software Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 40. RoAPAC Electronic Design Automation Software Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 41. Brazil Electronic Design Automation Software Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 42. Brazil Electronic Design Automation Software Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 43. Brazil Electronic Design Automation Software Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 44. Mexico Electronic Design Automation Software Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 45. Mexico Electronic Design Automation Software Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 46. Mexico Electronic Design Automation Software Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 47. RoLA Electronic Design Automation Software Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 48. RoLA Electronic Design Automation Software Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 49. RoLA Electronic Design Automation Software Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 50. Row Electronic Design Automation Software Market estimates & forecasts, 2018-2028 (USD Million)

TABLE 51. Row Electronic Design Automation Software Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 52. Row Electronic Design Automation Software Market estimates & forecasts by segment 2018-2028 (USD Million)

TABLE 53. List of secondary sources, used in the study of global Electronic Design Automation Software Market

TABLE 54. List of primary sources, used in the study of global Electronic Design Automation Software Market

TABLE 55. Years considered for the study

TABLE 56. Exchange rates considered

List Of Figures

LIST OF FIGURES

- FIG 1. Global Electronic Design Automation Software Market, research methodology
- FIG 2. Global Electronic Design Automation Software Market, Market estimation techniques
- FIG 3. Global Market size estimates & forecast methods
- FIG 4. Global Electronic Design Automation Software Market, key trends 2021
- FIG 5. Global Electronic Design Automation Software Market, growth prospects 2022-2028
- FIG 6. Global Electronic Design Automation Software Market, porters 5 force model
- FIG 7. Global Electronic Design Automation Software Market, pest analysis
- FIG 8. Global Electronic Design Automation Software Market, value chain analysis
- FIG 9. Global Electronic Design Automation Software Market by segment, 2018 & 2028 (USD Million)
- FIG 10. Global Electronic Design Automation Software Market by segment, 2018 & 2028 (USD Million)
- FIG 11. Global Electronic Design Automation Software Market by segment, 2018 & 2028 (USD Million)
- FIG 12. Global Electronic Design Automation Software Market by segment, 2018 & 2028 (USD Million)
- FIG 13. Global Electronic Design Automation Software Market by segment, 2018 & 2028 (USD Million)
- FIG 14. Global Electronic Design Automation Software Market, regional snapshot 2018 & 2028
- FIG 15. North America Electronic Design Automation Software Market 2018 & 2028 (USD Million)
- FIG 16. Europe Electronic Design Automation Software Market 2018 & 2028 (USD Million)
- FIG 17. Asia pacific Market 2018 & 2028 (USD Million)
- FIG 18. Latin America Electronic Design Automation Software Market 2018 & 2028 (USD Million)
- FIG 19. Global Electronic Design Automation Software Market, company Market share analysis (2021)

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