

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

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