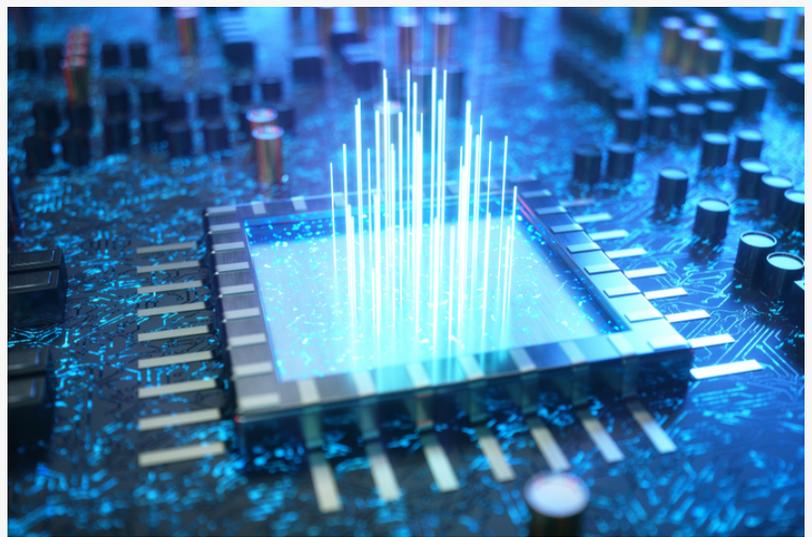


Electronic Design Automation Software Market - Shows Huge Demand and Future Scope Including Top Players 2027

The report focuses on the growth prospects, restraints, and the global electronic design automation software market trends.

PORTLAND , PORTLAND, OR, UNITED STATE, July 29, 2022 /

EINPresswire.com/ -- Rise in adoption of FinFET architecture for designing modern processors, advancement in SoC technology, and increase in penetration of IoT, AI, and VR technology fuel the growth of the global [electronic design automation software market](#).



Electronic Design Automation Software Market

On the other hand, availability of the open-source EDA software impede the growth to some extent. However, surge in demand for compact electronic devices and machine learning in EDA is expected to create lucrative opportunities in the industry.

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Based on type, the Semiconductor Intellectual Property (SIP) segment contributed to nearly one-third of the global electronic design automation software market share in 2019, and is expected to lead the trail by the end of 2027. The need of EDA software to offer pre-verified and customizable IP subsystems, architecture design expertise, hardening, signal/power integrity analysis, and IP prototyping kits drive the growth of the segment.

On the other hand, the IC Physical Design and Verification segment would also register the fastest CAGR of 12.7% throughout the forecast period, owing to factors such as need for custom IC layout editing, support for the physical implementation of custom digital, analog and mixed-signal designs for device, cell, block , and full chip levels.

Based on application, the consumer electronics segment accounted for more than one-fifths of the global electronic design automation software market revenue in 2019, and is anticipated to dominate by 2027. EDA tools are increasingly used by consumer electronics manufacturers owing to the compact designs of new electronic items.

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This factor drives the growth of the market in this segment. On the other hand, the automotive segment would exhibit the fastest CAGR of 11.3% from 2020 to 2027. The fact that automotive field is offering great growth prospects to the Computer Aided Engineering (CAE) and semiconductor IP industries further drives the market growth.

Based on geography, the market across North America, garnered the major share in 2019, holding nearly two-fifths of the global electronic design automation software market. North America has the highest rate of adoption of advanced technologies such as AI, cloud, and others. Thus, adoption of machine learning integrated Electronic Design Automation (EDA) Software by the electronics manufacturers is boosting the growth of this market.

At the same time, the Asia-Pacific region would also showcase the fastest CAGR of 11.6% during the forecast period. This is due to the ever growing smartphone penetration, increasing popularity of smart wearable devices, growing electronic manufacturing companies in countries such as China, India, and Japan.

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Impact of COVID-19 Pandemic on Electronic Design Automation Software Market:

- The outbreak of the pandemic led to decline in investments and funding in the electronic design automation industry. In addition, factors such as decrease in semiconductor industry revenues, the slowdown in production, and shortage of raw material supply have further impacted the industry.
- Nevertheless, the government bodies in all across the world are now implementing unlock procedures to aid the market players in terms of economy. With this drift on board, the industry is anticipated to recover soon.

Key benefits for stakeholders:

- This study includes the analytical depiction of the electronic design automation software market forecast and trends to determine the imminent investment pockets.

- The report presents information related to key drivers, restraints, and opportunity of the electronic design automation software Industry.
- The electronic design automation software market size is quantitatively analyzed from 2019 to 2027 to highlight the financial competency of the market.
- Porter's five forces analysis illustrates the potency of buyers & suppliers in the electronic design automation software market.

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Lastly, this report provides market intelligence most comprehensively. The report structure has been kept such that it offers maximum business value. It provides critical insights into the market dynamics and will enable strategic decision-making for the existing market players as well as those willing to enter the market.

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