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Electronic Design Automation (EDA) Global Markets and Trends

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Electronic Design Automation (EDA) is a software system developed on the basis of electronic CAD technology, using the computer as the working platform, integrating the latest achievements in applied electronics, information processing and intelligent technology to carry out the automatic design of electronic products. The EDA technology has greatly improved the efficiency and feasibility of circuit design and reduced the labor intensity of designers. EDA products generally fall into the three categories:



1. Digital and custom IC design and FPGA design, which includes software tools to design an IC;

2. Verification, which includes technology to verify that an IC design behaves as intended;

3. Manufacturing, which includes products that both enable early manufacturing process development and convert IC design layouts into the masks used to manufacture the chips.



The global market for EDA was \$4.32 billion in 2016 and will increase to approximately \$6.23 billion in 2021. The CAGR between 2016 and 2021 is 7.6%. The global market size of EDA is expected to increase to \$8.81 billion in 2026. The CAGR from 2016 to 2026 is 7.4%.









The major EDA companies are Synopsys, Cadence, Siemens PLM and Zuken. Primarius Technologies, Empyrean Technology and Cellixsoft Corporation are emerging suppliers in China. Synopsys, Cadence, Siemens PLM account for about 91.7% of the global market share.





