

# **North America Electronic Design Automation (EDA) Tools Market 2021-2031 by Component (Solutions, Services), Tool Type (CAE, ICPDV, PCB and MCM, SIP), Deployment (Cloud-based, On-Premise), Application (Design, Simulation, Verification), End Use (Microprocessors & Controllers, MMU, Others), Industry Vertical, and Country: Trend Forecast and Growth Opportunity**

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## **Abstracts**

North America electronic design automation (EDA) tools market is projected to grow by 8.6% annually in the forecast period and reach \$ 11,222.5 million by 2031, driven by the strong performance of the semiconductor industry, emergence of advanced chip architectures and other novel technologies such as AI/VR/IoT, and the rapid development of system-on-a-chip (SoC) technology coupled with the emerging trend of industrial automation across diverse industry verticals.

Highlighted with 25 tables and 55 figures, this 106-page report “North America Electronic Design Automation (EDA) Tools Market 2021-2031 by Component (Solutions, Services), Tool Type (CAE, ICPDV, PCB and MCM, SIP), Deployment (Cloud-based, On-Premise), Application (Design, Simulation, Verification), End Use (Microprocessors & Controllers, MMU, Others), Industry Vertical, and Country: Trend Forecast and Growth Opportunity” is based on a comprehensive research of the entire North America electronic design automation (EDA) tools market and all its sub-segments through extensively detailed classifications. Profound analysis and assessment are generated from premium primary and secondary information sources with inputs derived from industry professionals across the value chain. The report is

based on studies on 2018-2021 and provides forecast from 2022 till 2031 with 2021 as the base year. (Please note: The report will be updated before delivery so that the latest historical year is the base year and the forecast covers at least 5 years over the base year.)

In-depth qualitative analyses include identification and investigation of the following aspects:

Market Structure

Growth Drivers

Restraints and Challenges

Emerging Product Trends & Market Opportunities

Porter's Fiver Forces

The trend and outlook of North America market is forecast in optimistic, balanced, and conservative view by taking into account of COVID-19. The balanced (most likely) projection is used to quantify North America electronic design automation (EDA) tools market in every aspect of the classification from perspectives of Component, Tool Type, Deployment, Application, End Use, Industry Vertical, and Country.

Based on Component, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2021-2031 included in each section.

Solutions

Bundled Solutions

Standalone Solutions

Services

Professional Services

Managed Services

Based on Tool Type, the North America market is segmented into the following sub-markets with annual

revenue (\$ mn) for 2021-2031 included in each section.

Computer-aided Engineering (CAE)

IC Physical Design and Verification (ICPDV)

Printed Circuit Board and Multi-chip Module (PCB and MCM)

Semiconductor Intellectual Property (SIP)

By Deployment, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2021-2031 included in each section.

Cloud-based EDA Tools

On-Premise EDA Tools

By Application, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2021-2031 included in each section.

Design

Simulation

Verification

By End Use, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2021-2031 included in each section.

Microprocessors & Controllers

Memory Management Unit (MMU)

Other End Uses

By Industry Vertical, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2021-2031 included in each section.

Communication

Consumer Electronics

Automotive

Industrial Manufacturing

Aerospace & Defense

Healthcare

Other Industry Verticals

Geographically, the following national/local markets are fully investigated:

U.S.

Canada

Mexico

For each key country, detailed analysis and data for annual revenue (\$ mn) are available for 2021-2030. The breakdown of national markets by Tool Type, End Use and Industry Vertical over the forecast years are also included.

The report also covers current competitive scenario and the predicted trend; and profiles key vendors including market leaders and important emerging players.

**Selected Key Players:**

Agnisys Inc.

Aldec Inc.

Altium Limited

ANSYS Inc.

Autodesk, Inc.

Cadence Design Systems Inc.

Keysight Technologies Inc.

Lauterbach GmbH

Mentor Graphic Corporation (Siemens)

Silvaco Inc.

Synopsys Inc.

Xilinx Inc.

Zuken Ltd.

(Please note: The report will be updated before delivery so that the latest historical year is the base year and the forecast covers at least 5 years over the base year.)

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