Electronic Design Automation Market to Hit USD 32.75 Billion by 2032 | SNS INSIDER

The Electronic Design Automation (EDA) Market is growing with demand for advanced semiconductors, AI, and IoT, enabling efficient chip design and verification.

AUSTIN, TX, UNITED STATES, February 5, 2025 /EINPresswire.com/ -- Market Size & Industry Insights
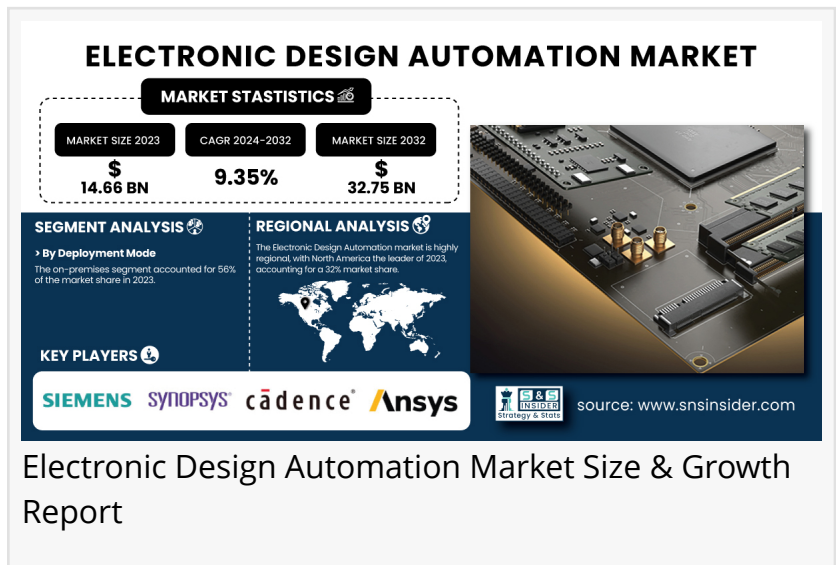
As Per the SNS Insider,"The Electronic Design Automation (EDA) Market was valued at USD 14.66 billion in 2023 and is expected to grow to USD 32.75 billion by 2032, at a CAGR of 9.35% over the forecast period of 2024-2032."

ELECTRONIC DESIGN AUTOMATION MARKET

MARKET STASTISTICS

MARKET SIZE 2023	CAGR 2024-2032	MARKET SIZE 2032
$ 14.66 BN	9.35%	$ 32.75 BN

SEGMENT ANALYSIS
› By Deployment Mode
The on-premises segment accounted for 56% of the market share in 2023.

REGIONAL ANALYSIS
The Electronic Design Automation market is highly regional, with North America the leader of 2023, accounting for a 32% market share.

KEY PLAYERS
SIEMENS SYNOPSYS cadence Ansys

SNS INSIDER Strategy & Stats
source: www.snsinsider.com

Electronic Design Automation Market Size & Growth Report

The Electronic Design Automation (EDA) market is experiencing rapid growth as the complexity of electronic devices and systems continues to increase. With the advancement of 5G, AI, IoT, and automotive electronics, the need for advanced design tools is increasing.

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SWOT Analysis of Key Players as follows:
- Synopsys
- Cadence Design Systems
- Siemens EDA
- ANSYS
- Keysight Technologies
- Zuken
- Altair Engineering
- Autodesk
- Altium
- Mentor Graphics

- Silvaco
- AWR Corporation
- Magma Design Automation
- Dassault Systèmes
- National Instruments
- ARM Holdings
- Rambus
- Xilinx
- Intel
- Broadcom

Key Market Segmentation:

-By Deployment Mode, in 2023, the on-premises segment accounted for the highest market share due to its wide adoption in industries that require a higher level of security control by the organization along with customization.

-By Application, Microprocessors and Microcontrollers accounted for the largest market share in 2023, owing to their indispensable function of powering millions of devices, ranging from smartphones to automotive systems, and industrial machinery.

-By Product, Computer-aided Engineering (CAE) was the most dominant segment in the Product segment in the year 2023 as this segment is critical for simulating and optimizing product designs across industries.

-By End User, the Consumer Electronics industry accounted for the highest revenue share in 2023, driven by increased demand for consumer electronic devices like smartphones, wearables, and home appliances.

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KEY MARKET SEGMENTS:

By Product
IC Physical Design & Verification
Semiconductor IP
Computer-Aided Engineering (CAE)
PCB & MCM
Services

By Deployment Mode
Cloud-Based
On-Premises

By Application
Memory Management Units
Microprocessors & Microcontrollers
Others

By End User
Consumer Electronics Industry
Automotive
Healthcare

North America Dominates 2023 Market with Asia Pacific Poised for Explosive Growth Through 2032

The market share of North America was the largest in 2023 due to its globally robust technological infrastructure, high investments in R&D, and large presence of key market players. The commercialization of electronic systems/solutions is also a key driver of the market, given the leveraged needs from the region's automotive, aerospace, and healthcare established industries.

Asia Pacific is forecasted to lead the market by growing fastest, a CAGR-between 2024 to 2032, due to rapid industrialization, high demand for consumer electronics, and important semiconductor manufacturing capabilities. China, India, and Japan are becoming technology innovation centers of the world, driving the growth potential in the region.

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Recent Developments:

-In March 2024, Synopsys unveiled new AI-driven EDA, IP, and systems design solutions at SNUG Silicon Valley, aimed at accelerating design and verification processes.

-In September 2024, TSMC and Cadence partnered to deliver AI-driven advanced-node design flows, silicon-proven IP, and 3D-IC solutions, enhancing performance for AI applications.

-In November 2024, Keysight launched an AI-powered Electronic Design Automation software suite to enhance designer productivity and accelerate design cycles.

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