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Global Generative AI for Chip Design Market 2026 by Company, Regions, Type and Application, Forecast to 2032

https://marketpublishers.com/r/G8734827076CEN.html
Date: October 2026
Pages: 123
Price: US$ 3,480.00 (Single User License)
ID: G8734827076CEN

Abstracts

According to our (Global Info Research) latest study, the global Generative AI for Chip Design market size was valued at US$ million in 2025 and is forecast to a readjusted size of US$ million by 2032 with a CAGR of %during review period.

Generative AI for chip design refers to the use of generative AI technology to assist or automatically complete various tasks in the chip design process, including but not limited to code generation, design optimization, verification testing, and knowledge extraction. For example, it can automatically generate hardware description language (HDL) code that meets specifications based on the designer's instructions or preliminary design; by analyzing various aspects of chip design (such as power consumption, performance, area, etc.), generative AI can make optimization suggestions to help designers find the best design solution; it can automatically generate test cases and verification plans to conduct comprehensive and accurate verification tests on chip designs; it can extract useful knowledge from a large amount of design data, such as best practices, common problems and solutions, to provide decision support for designers.

The Generative AI for Chip Design market report provides a detailed analysis of global market size, regional and country-level market size, segmentation market growth, market share, competitive Landscape, sales analysis, impact of domestic and global market players, value chain optimization, trade regulations, recent developments, opportunities analysis, strategic market growth analysis, product launches, area marketplace expanding, and technological innovations.

Market segmentation

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Generative AI for Chip Design market is split by Type and by Application. For the period 2026-2032, the growth among segments provide accurate calculations and forecasts for revenue by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type,

Logic Chip

Analog Chip

Others

Market segment by Application

Automotive

Communications

Consumer Electronics

Industrial

Others

Market segment by players, this report covers

Microsoft Corporation

Amazon Web Services

Intel Corporation

Qualcomm Incorporated

NVIDIA Corporation

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Advanced Micro Devices

Texas Instruments Incorporated

MediaTek

Renesas Electronics Corporation

Synopsys

Marvell Technology

Cadence Design Systems

Altair Engineering

Tenstorrent

Silvaco Group

Cerebras Systems

Graphcore Limited

SambaNova Systems

Mythic AI

Syntiant

Market segment by regions, regional analysis covers

North America

Europe

Asia-Pacific (China, Japan, South Korea, Rest of Asia)

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South America

Middle East & Africa

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