

Global Generative AI for Chip Design Market Growth (Status and Outlook) 2024-2030

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Abstracts

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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 global Generative AI for Chip Design market size is projected to grow from US\$ million in 2024 to US\$ million in 2030; it is expected to grow at a CAGR of %from 2024 to 2030.

LPI (LP Information)' newest research report, the "Generative AI for Chip Design Industry Forecast" looks at past sales and reviews total world Generative AI for Chip Design sales in 2022, providing a comprehensive analysis by region and market sector of projected Generative AI for Chip Design sales for 2023 through 2029. With Generative AI for Chip Design sales broken down by region, market sector and subsector, this report provides a detailed analysis in US\$ millions of the world Generative AI for Chip Design industry.



This Insight Report provides a comprehensive analysis of the global Generative AI for Chip Design landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyses the strategies of leading global companies with a focus on Generative AI for Chip Design portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Generative AI for Chip Design market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Generative AI for Chip Design and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Generative AI for Chip Design.

United States market for Generative AI for Chip Design is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

China market for Generative AI for Chip Design is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Europe market for Generative AI for Chip Design is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Global key Generative AI for Chip Design players cover Microsoft Corporation, Amazon Web Services, Intel Corporation, Qualcomm Incorporated, NVIDIA Corporation, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2023.

This report presents a comprehensive overview, market shares, and growth opportunities of Generative AI for Chip Design market by product type, application, key players and key regions and countries.

Segmentation by Type:

Logic Chip



	Analog	g Chip		
	Others	5		
Segmentation by Application:				
	Autom	otive		
	Comm	unications		
	Consumer Electronics			
	Indust	rial		
	Others	3		
This re	port als	so splits the market by region:		
	Americ	cas		
		United States		
		Canada		
		Mexico		
		Brazil		
	APAC			
		China		
		Japan		
		Korea		
		Southeast Asia		

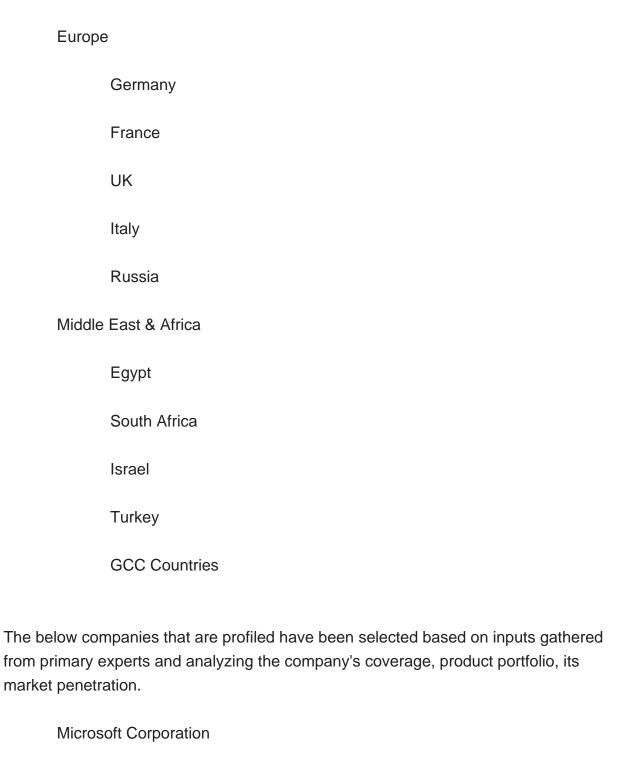


	India	
	Australia	
Europe	e	
	Germany	
	France	
	UK	
	Italy	
	Russia	
Middle	East & Africa	
	Egypt	
	South Africa	
	Israel	
	Turkey	
	GCC Countries	
Segmentation by Type:		
Logic (Chip	
Analog	g Chip	
Others	S	



Segmentation by Application:			
Automotive			
Communications			
Consumer Electronics			
Industrial			
Others			
This report also splits the market by region:			
Americas			
United States			
Canada			
Mexico			
Brazil			
APAC			
China			
Japan			
Korea			
Southeast Asia			
India			
Australia			





Amazon Web Services

Intel Corporation

Qualcomm Incorporated

NVIDIA Corporation



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 Al
Syntiant



Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Generative AI for Chip Design Market Size 2025-2030
 - 2.1.2 Generative AI for Chip Design Market Size CAGR by Region
- 2.2 Generative AI for Chip Design Segment by Type
 - 2.2.1 Logic Chip
 - 2.2.2 Analog Chip
 - 2.2.3 Others
- 2.3 Generative AI for Chip Design Market Size by Type
- 2.3.1 Global Generative AI for Chip Design Market Size Market Share by Type (2025-2030)
- 2.3.2 Global Generative AI for Chip Design Market Size Growth Rate by Type (2025-2030)
- 2.4 Generative AI for Chip Design Segment by Application
 - 2.4.1 Automotive
 - 2.4.2 Communications
 - 2.4.3 Consumer Electronics
 - 2.4.4 Industrial
 - 2.4.5 Others
- 2.5 Generative AI for Chip Design Market Size by Application (2025-2030)
- 2.5.1 Global Generative AI for Chip Design Market Size Market Share by Application (2025-2030)
- 2.5.2 Global Generative AI for Chip Design Market Size Growth Rate by Application (2025-2030)

3 GENERATIVE AI FOR CHIP DESIGN KEY PLAYERS



- 3.1 Date of Key Players Enter into Generative AI for Chip Design
- 3.2 Key Players Generative AI for Chip Design Product Offered
- 3.3 Key Players Generative AI for Chip Design Funding/Investment Analysis
- 3.4 Funding/Investment
 - 3.4.1 Funding/Investment by Regions
 - 3.4.2 Funding/Investment by End-Industry
- 3.5 Key Players Generative AI for Chip Design Valuation & Market Capitalization
- 3.6 Key Players Mergers & Acquisitions, Expansion Plans
- 3.7 Market Ranking
- 3.8 New Product/Technology Launches
- 3.9 Partnerships, Agreements, and Collaborations
- 3.10 Mergers and Acquisitions

4 GENERATIVE AI FOR CHIP DESIGN BY REGIONS

- 4.1 Generative AI for Chip Design Market Size by Regions (2025-2030)
- 4.2 United States Generative AI for Chip Design Market Size Growth (2025-2030)
- 4.3 China Generative AI for Chip Design Market Size Growth (2025-2030)
- 4.4 Europe Generative AI for Chip Design Market Size Growth (2025-2030)
- 4.5 Rest of World Generative AI for Chip Design Market Size Growth (2025-2030)

5 UNITED STATES

- 5.1 United States Generative AI for Chip Design Market Size by Type (2025-2030)
- 5.2 United States Generative AI for Chip Design Market Size by Application (2025-2030)

6 EUROPE

- 6.1 Europe Generative AI for Chip Design Market Size by Type (2025-2030)
- 6.2 Europe Generative AI for Chip Design Market Size by Application (2025-2030)

7 CHINA

- 7.1 China Generative AI for Chip Design Market Size by Type (2025-2030)
- 7.2 China Generative AI for Chip Design Market Size by Application (2025-2030)

8 REST OF WORLD



- 8.1 Rest of World Generative AI for Chip Design Market Size by Type (2025-2030)
- 8.2 Rest of World Generative AI for Chip Design Market Size by Application (2025-2030)
- 8.3 Japan
- 8.4 South Korea
- 8.5 Southeast Asia

9 MARKET DRIVERS, CHALLENGES AND TRENDS

- 9.1 Market Drivers & Growth Opportunities
- 9.2 Market Challenges & Risks
- 9.3 Industry Trends

10 KEY INVESTORS IN GENERATIVE AI FOR CHIP DESIGN

- 10.1 Company A
 - 10.1.1 Company A Company Details
 - 10.1.2 Company Description
 - 10.1.3 Companies Invested by Company A
 - 10.1.4 Company A Key Development and Market Layout
- 10.2 Company B
 - 10.2.1 Company B Company Details
 - 10.2.2 Company Description
 - 10.2.3 Companies Invested by Company B
 - 10.2.4 Company B Key Development and Market Layout
- 10.3 Company C
 - 10.3.1 Company C Company Details
 - 10.3.2 Company Description
 - 10.3.3 Companies Invested by Company C
 - 10.3.4 Company C Key Development and Market Layout
- 10.4 Company D
- 10.5

11 KEY PLAYERS ANALYSIS

- 11.1 Microsoft Corporation
 - 11.1.1 Microsoft Corporation Company Details
 - 11.1.2 Microsoft Corporation Generative AI for Chip Design Product Offered



- 11.1.3 Microsoft Corporation Generative AI for Chip Design Market Size (2023 VS 2028)
 - 11.1.4 Microsoft Corporation Main Business Overview
 - 11.1.5 Microsoft Corporation News
- 11.2 Amazon Web Services
 - 11.2.1 Amazon Web Services Company Details
- 11.2.2 Amazon Web Services Generative AI for Chip Design Product Offered
- 11.2.3 Amazon Web Services Generative AI for Chip Design Market Size (2023 VS 2028)
 - 11.2.4 Amazon Web Services Main Business Overview
 - 11.2.5 Amazon Web Services News
- 11.3 Intel Corporation
- 11.3.1 Intel Corporation Company Details
- 11.3.2 Intel Corporation Generative AI for Chip Design Product Offered
- 11.3.3 Intel Corporation Generative AI for Chip Design Market Size (2023 VS 2028)
- 11.3.4 Intel Corporation Main Business Overview
- 11.3.5 Intel Corporation News
- 11.4 Qualcomm Incorporated
 - 11.4.1 Qualcomm Incorporated Company Details
 - 11.4.2 Qualcomm Incorporated Generative AI for Chip Design Product Offered
- 11.4.3 Qualcomm Incorporated Generative AI for Chip Design Market Size (2023 VS 2028)
 - 11.4.4 Qualcomm Incorporated Main Business Overview
 - 11.4.5 Qualcomm Incorporated News
- 11.5 NVIDIA Corporation
 - 11.5.1 NVIDIA Corporation Company Details
 - 11.5.2 NVIDIA Corporation Generative AI for Chip Design Product Offered
 - 11.5.3 NVIDIA Corporation Generative AI for Chip Design Market Size (2023 VS 2028)
- 11.5.4 NVIDIA Corporation Main Business Overview
- 11.5.5 NVIDIA Corporation News
- 11.6 Advanced Micro Devices
 - 11.6.1 Advanced Micro Devices Company Details
 - 11.6.2 Advanced Micro Devices Generative AI for Chip Design Product Offered
- 11.6.3 Advanced Micro Devices Generative AI for Chip Design Market Size (2023 VS 2028)
 - 11.6.4 Advanced Micro Devices Main Business Overview
 - 11.6.5 Advanced Micro Devices News
- 11.7 Texas Instruments Incorporated
 - 11.7.1 Texas Instruments Incorporated Company Details



- 11.7.2 Texas Instruments Incorporated Generative AI for Chip Design Product Offered
- 11.7.3 Texas Instruments Incorporated Generative AI for Chip Design Market Size (2023 VS 2028)
 - 11.7.4 Texas Instruments Incorporated Main Business Overview
- 11.7.5 Texas Instruments Incorporated News
- 11.8 MediaTek
 - 11.8.1 MediaTek Company Details
 - 11.8.2 MediaTek Generative AI for Chip Design Product Offered
 - 11.8.3 MediaTek Generative AI for Chip Design Market Size (2023 VS 2028)
 - 11.8.4 MediaTek Main Business Overview
 - 11.8.5 MediaTek News
- 11.9 Renesas Electronics Corporation
- 11.9.1 Renesas Electronics Corporation Company Details
- 11.9.2 Renesas Electronics Corporation Generative AI for Chip Design Product

Offered

- 11.9.3 Renesas Electronics Corporation Generative AI for Chip Design Market Size (2023 VS 2028)
 - 11.9.4 Renesas Electronics Corporation Main Business Overview
 - 11.9.5 Renesas Electronics Corporation News
- 11.10 Synopsys
 - 11.10.1 Synopsys Company Details
 - 11.10.2 Synopsys Generative AI for Chip Design Product Offered
 - 11.10.3 Synopsys Generative AI for Chip Design Market Size (2023 VS 2028)
 - 11.10.4 Synopsys Main Business Overview
 - 11.10.5 Synopsys News
- 11.11 Marvell Technology
- 11.12 Cadence Design Systems
- 11.13 Altair Engineering
- 11.14 Tenstorrent
- 11.15 Silvaco Group
- 11.16 Cerebras Systems
- 11.17 Graphcore Limited
- 11.18 SambaNova Systems
- 11.19 Mythic Al
- 11.20 Syntiant

12 RESEARCH FINDINGS AND CONCLUSION



List Of Tables

LIST OF TABLES

- Table 1. Generative AI for Chip Design Market Size CAGR by Region (2025-2030) (\$ millions)
- Table 2. Major Players of Logic Chip
- Table 3. Major Players of Analog Chip
- Table 4. Major Players of Others
- Table 5. Global Market Size by Type (2025-2030) (\$ millions)
- Table 6. Global Generative AI for Chip Design Market Size Market Share by Type (2025-2030)
- Table 7. Global Generative AI for Chip Design Market Size by Application (2025-2030) (\$ millions)
- Table 8. Global Generative AI for Chip Design Market Size Market Share by Application (2025-2030)
- Table 9. Date of Global Key Players Enter into Generative AI for Chip Design Market
- Table 10. Global Key Players Generative AI for Chip Design Product Offered
- Table 11. Key Players Generative AI for Chip Design Funding/Investment (Million USD)
- Table 12. Funding/Investment by Regions
- Table 13. Funding/Investment by End-Industry
- Table 14. Key Players Generative AI for Chip Design Valuation & Market Capitalization (Million USD)
- Table 15. Key Players Mergers & Acquisitions, Expansion Plans
- Table 16. Generative AI for Chip Design New Product/Technology Launches
- Table 17. Generative AI for Chip Design Industry Partnerships, Agreements, and Collaborations
- Table 18. Generative AI for Chip Design Industry Mergers and Acquisitions
- Table 19. Global Generative AI for Chip Design Market Size by Regions 2025-2030 (\$ millions)
- Table 20. Global Generative AI for Chip Design Market Size Market Share by Regions 2025-2030
- Table 21. United States Generative AI for Chip Design Market Size by Type (2025-2030) (\$ millions)
- Table 22. United States Generative AI for Chip Design Market Size Market Share by Type (2025-2030)
- Table 23. United States Generative AI for Chip Design Market Size by Application (2025-2030) (\$ millions)
- Table 24. United States Generative AI for Chip Design Market Size Market Share by



Application (2025-2030)

Table 25. Europe Generative AI for Chip Design Market Size by Type (2025-2030) (\$ millions)

Table 26. Europe Generative AI for Chip Design Market Size Market Share by Type (2025-2030)

Table 27. Europe Generative AI for Chip Design Market Size by Application (2025-2030) (\$ millions)

Table 28. Europe Generative AI for Chip Design Market Size Market Share by Application (2025-2030)

Table 29. China Generative AI for Chip Design Market Size by Type (2025-2030) (\$ millions)

Table 30. China Generative Al for Chip Design Market Size Market Share by Type (2025-2030)

Table 31. China Generative AI for Chip Design Market Size by Application (2025-2030) (\$ millions)

Table 32. China Generative AI for Chip Design Market Size Market Share by Application (2025-2030)

Table 33. Rest of World Generative AI for Chip Design Market Size by Type (2025-2030) (\$ millions)

Table 34. Rest of World Generative AI for Chip Design Market Size Market Share by Type (2025-2030)

Table 35. Rest of World Generative AI for Chip Design Market Size by Application (2025-2030) (\$ millions)

Table 36. Rest of World Generative AI for Chip Design Market Size Market Share by Application (2025-2030)

Table 37. Key Market Drivers & Growth Opportunities of Generative AI for Chip Design

Table 38. Key Market Challenges & Risks of Generative AI for Chip Design

Table 39. Key Industry Trends of Generative AI for Chip Design

Table 40. Company A Company Details

Table 41. Companies Invested by Company A

Table 42. Company A Key Development and Market Layout

Table 43. Company B Company Details

Table 44. Companies Invested by Company B

Table 45. Company B Key Development and Market Layout

Table 46. Company C Company Details

Table 47. Companies Invested by Company C

Table 48. Company C Key Development and Market Layout

Table 49. Microsoft Corporation Basic Information, Head Office, Major Market Areas and Its Competitors



- Table 50. Microsoft Corporation Generative AI for Chip Design Market Size (2023 VS 2028)
- Table 51. Amazon Web Services Basic Information, Head Office, Major Market Areas and Its Competitors
- Table 52. Amazon Web Services Generative AI for Chip Design Market Size (2023 VS 2028)
- Table 53. Intel Corporation Basic Information, Head Office, Major Market Areas and Its Competitors
- Table 54. Intel Corporation Generative AI for Chip Design Market Size (2023 VS 2028)
- Table 55. Qualcomm Incorporated Basic Information, Head Office, Major Market Areas and Its Competitors
- Table 56. Qualcomm Incorporated Generative AI for Chip Design Market Size (2023 VS 2028)
- Table 57. NVIDIA Corporation Basic Information, Head Office, Major Market Areas and Its Competitors
- Table 58. NVIDIA Corporation Generative AI for Chip Design Market Size (2023 VS 2028)
- Table 59. Advanced Micro Devices Basic Information, Head Office, Major Market Areas and Its Competitors
- Table 60. Advanced Micro Devices Generative AI for Chip Design Market Size (2023 VS 2028)
- Table 61. Texas Instruments Incorporated Basic Information, Head Office, Major Market Areas and Its Competitors
- Table 62. Texas Instruments Incorporated Generative AI for Chip Design Market Size (2023 VS 2028)
- Table 63. MediaTek Basic Information, Head Office, Major Market Areas and Its Competitors
- Table 64. MediaTek Generative AI for Chip Design Market Size (2023 VS 2028)
- Table 65. Renesas Electronics Corporation Basic Information, Head Office, Major Market Areas and Its Competitors
- Table 66. Renesas Electronics Corporation Generative AI for Chip Design Market Size (2023 VS 2028)
- Table 67. Synopsys Basic Information, Head Office, Major Market Areas and Its Competitors
- Table 68. Synopsys Generative AI for Chip Design Market Size (2023 VS 2028)



List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Generative AI for Chip Design
- Figure 2. Generative AI for Chip Design Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Generative AI for Chip Design Market Size Growth Rate 2025-2030 (\$ millions)
- Figure 7. Generative AI for Chip Design Market Size by Region (2024 & 2030) (\$ millions)
- Figure 8. Global Generative AI for Chip Design Market Size Market Share by Type (2025-2030)
- Figure 9. Global Logic Chip Market Size Growth Rate
- Figure 10. Global Analog Chip Market Size Growth Rate
- Figure 11. Generative AI for Chip Design in Automotive
- Figure 12. Global Generative AI for Chip Design Market: Automotive (2025-2030) (\$ millions)
- Figure 13. Generative AI for Chip Design in Communications
- Figure 14. Global Generative AI for Chip Design Market: Communications (2025-2030) (\$ millions)
- Figure 15. Generative AI for Chip Design in Consumer Electronics
- Figure 16. Global Generative AI for Chip Design Market: Consumer Electronics (2025-2030) (\$ millions)
- Figure 17. Generative AI for Chip Design in Industrial
- Figure 18. Global Generative AI for Chip Design Market: Industrial (2025-2030) (\$ millions)
- Figure 19. Generative AI for Chip Design in Others
- Figure 20. Global Generative AI for Chip Design Market: Others (2025-2030) (\$ millions)
- Figure 21. Global Generative AI for Chip Design Market Size Market Share by Application (2025-2030)
- Figure 22. Global Generative AI for Chip Design Market Size in Automotive Growth Rate
- Figure 23. Global Generative AI for Chip Design Market Size in Communications Growth Rate
- Figure 24. Funding/Investment
- Figure 25. Global Generative AI for Chip Design Market Size Market Share by Regions



2025-2030

Figure 26. United States Generative AI for Chip Design Market Size 2025-2030 (\$ millions)

Figure 27. China Generative AI for Chip Design Market Size 2025-2030 (\$ millions)

Figure 28. Europe Generative AI for Chip Design Market Size 2025-2030 (\$ millions)

Figure 29. Rest of World Generative AI for Chip Design Market Size 2025-2030 (\$ millions)

Figure 30. United States Generative AI for Chip Design Consumption Market Share by Type in 2028

Figure 31. United States Generative AI for Chip Design Market Size Market Share by Application in 2028

Figure 32. Europe Generative AI for Chip Design Consumption Market Share by Type in 2028

Figure 33. Europe Generative AI for Chip Design Market Size Market Share by Application in 2028

Figure 34. China Generative AI for Chip Design Consumption Market Share by Type in 2028

Figure 35. China Generative AI for Chip Design Market Size Market Share by Application in 2028

Figure 36. Rest of World Generative AI for Chip Design Consumption Market Share by Type in 2028

Figure 37. Rest of World Generative AI for Chip Design Market Size Market Share by Application in 2028



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