

Generative AI: Global Markets

<https://marketpublishers.com/r/G5BCC71C186EEN.html>

Date: January 2025

Pages: 217

Price: US\$ 4,650.00 (Single User License)

ID: G5BCC71C186EEN

Abstracts

Report Scope

This report provides an overview of the global generative AI market and examines market trends. It includes base year data from 2023 and projected data from 2024 through 2029. The report analyzes the global market revenue (\$ millions) for segments (i.e., offerings, data type, application, end-user industry) and regions (i.e., North America, Europe, Asia-Pacific, the Rest of the World).

The market by offerings includes software, hardware and services. The software segment is categorized based on its foundational models and deployment mode. The software foundational models are segmented into statistical, rule-based and deep learning models, including their respective types. The software deployment mode covers on-premises and clouds. The hardware offerings cover the central processing unit (CPU), graphics processing unit (GPU) and tensor processing unit (TPU). The service offered further includes professional and managed services.

The market by data type covers text, code, audio/speech and images/videos. The market by application includes business integration and visualization, content management, synthetic data management, automation and integration, and generative design. The market by end-user industry is segmented into BFSI, healthcare and life sciences, IT and ITeS, manufacturing, media and entertainment, retail and e-commerce and others. The market by region covers North America, Europe, Asia-Pacific and the Rest of the World.

The report examines the key trends and challenges driving the market and the companies operating in it. It analyzes regulatory landscape and environmental, social and corporate governance (ESG) developments. It covers patent activity and emerging technologies in the generative AI market. It also provides the competitive landscape

among leading players, detailing the market ecosystem and the venture funding information. The report also provides detailed profiles of the significant generative AI players and their strategies to enhance their market presence.

Report Includes

83 data tables and 60 additional tables

An analysis of the global market trends for generative artificial intelligence technology, with market revenue data for 2023, estimates for 2024, forecasts for 2025 and projected CAGRs through 2029

Estimates of the market size and revenue growth prospects, along with a market share analysis by offering, software deployment type, data type, application, end-user industry and region

Facts and figures pertaining to the market dynamics, advances in AI technology, regulations, and the impact of macroeconomic factors

A Porter's Five Forces model, and global supply chain and PESTLE analyses

Analysis of patents, emerging trends and developments

Analysis of the industry structure, including companies' market shares and rankings, strategic alliances, M&A activities and a venture funding outlook

Overview of sustainability trends and ESG developments, with emphasis on consumer attitudes, and the ESG scores and practices of leading companies

Profiles of the leading companies, including OpenAI, Alphabet Inc. (Google), Meta, Microsoft Corp., and Lumen5

Contents

CHAPTER 1 EXECUTIVE SUMMARY

Market Outlook
Scope of Report
Market Summary
Technological Advances and Applications
Market Dynamics and Growth Factors
Segmental Analysis
Regional Insights
Investment Trends
Conclusion

CHAPTER 2 MARKET OVERVIEW

Current Market Outlook
Future Market Outlook
Future Plans of Key Companies
Strategic Suggestions for Companies
Macroeconomic Factors Analysis
Impact on Productivity and Labor Market
Geopolitical Significance of Generative AI
Porter's Five Forces Analysis
Case Study Analysis
Case Study
Case Study
Case Study
Case Study
Case Study
Case Study
Case Study
Case Study

CHAPTER 3 MARKET DYNAMICS

Key Takeaways
Market Dynamics Snapshot
Market Drivers

Rising Demand for Personalized Content and Experiences

Advances in Artificial Intelligence and Machine Learning

Proliferation of Cloud Computing and AI-as-a-Service

Growth in Video and Audio Content Creation

Market Restraints

High Costs Associated with Training Data Preparation

Probability of Incorrect and Erroneously Generated Output

Market Challenges

Concerns Regarding Data Quality and Availability

Regulatory and Compliance Issues

Market Opportunities

Growing Demand for Automation Across Industries

Expanding Use of Synthetic Data for AI Training

Surge in Deployment of Large Language Models

CHAPTER 4 REGULATORY LANDSCAPE

Key Takeaways

Key Regulatory Bodies, Government Agencies and Other Organizations

North America

Europe

Asia-Pacific

Rest of World

AI-Related Bills and Regulations, by Region

North America

Europe

Asia-Pacific

Rest of World

CHAPTER 5 EMERGING TECHNOLOGIES AND DEVELOPMENTS

Key Takeaways

Emerging Technologies and Trends

Edge Computing

Explainable AI

Privacy-Preserving AI

Blockchain

High-Performance Computing

Digital Twins

Metaverse
Patent Analysis

CHAPTER 6 MARKET SEGMENTATION ANALYSIS

Segmentation Breakdown
Market Breakdown by Offerings
Key Takeaways
Software
Hardware
Services
Market Breakdown by Data Type
Key Takeaways
Text
Code
Audio/Speech
Image/Video
Market Breakdown by Application
Key Takeaways
Business Integration and Visualization
Content Management
Synthetic Data Management
Automation and Integration
Generative Design
Market Breakdown by End-User Industry
Key Takeaways
Media and Entertainment
Banking, Financial Services and Insurances
Information Technology and IT-Enabled Services
Healthcare and Lifesciences
Retail and E-Commerce
Manufacturing
Others
Geographic Breakdown
Market Breakdown by Region
Key Takeaways
North America
Europe
Asia-Pacific

Rest of the World

CHAPTER 7 COMPETITIVE INTELLIGENCE

Key Takeaways

Key Players in Generative AI

Market Rankings of Key Players

Forefront, Pathfinder, Niche and Vital Positioning Matrix for Generative AI Companies

Strategic Analysis

Strategic Recommendations

Generative AI Market Ecosystem

Core Technology Providers

Cloud Platforms and Infrastructure Providers

Development and Deployment Tools

Generative AI Service Providers

End-User Industries Applications

Government and Regulatory Bodies

Venture Fundings and Investments Landscape

Venture Capital Investments in Generative AI

Startup Fundings in the Generative AI Industry

CHAPTER 8 SUSTAINABILITY IN GENERATIVE AI INDUSTRY: AN ESG PERSPECTIVE

Key Takeaways

Current Status of ESG in the Generative AI Market

ESG Practices in the Generative AI Market

Concluding Remarks from BCC Research

CHAPTER 9 APPENDIX

Research Methodology

References

Abbreviations

Company Profiles

ACCENTURE

ADOBE

ALIBABA GROUP HOLDING LTD.

ALPHABET INC. (GOOGLE)

AMAZON.COM INC.
ANTHROPIC PBC
CAPGEMINI
IBM
LUMEN5
META
MICROSOFT
NVIDIA CORP.
OPENAI
PERSADO
SIMPLIFIED (TLDR TECHNOLOGIES INC.)
Other Key Players

List Of Tables

LIST OF TABLES

Summary Table : Global Market for Generative AI, by Data Type, Through 2029

Table 1 : Traditional AI Versus Generative AI

Table 2 : North America: Regulatory Bodies, Government Agencies and Other Organizations

Table 3 : Europe: Regulatory Bodies, Government Agencies and Other Organizations

Table 4 : Asia-Pacific: Regulatory Bodies, Government Agencies, and Other Organizations

Table 5 : Rest of World: Regulatory Bodies, Government Agencies, and Other Organizations

Table 6 : North America: AI Bills and Regulations

Table 7 : Europe: AI Bills and Regulations

Table 8 : Asia-Pacific: AI Bills and Regulations

Table 9 : Rest of World: AI Bills and Regulations

Table 10 : Patent Review of Generative AI, by Year, 2021–November 2024

Table 11 : Top Patent Owner in Generative AI, by Year, 2014–2023

Table 12 : Global Market for Generative AI, by Offerings, Through 2029

Table 13 : Global Market for Generative AI for Software Offerings, by Foundational Models, Through 2029

Table 14 : Global Market for Generative AI for Software Offerings, by Deployment Mode, Through 2029

Table 15 : Global Market for Generative AI for Hardware Offerings, by Type, Through 2029

Table 16 : Global Market for Generative AI for Service Offerings, by Type, Through 2029

Table 17 : Global Market for Generative AI for Software Offerings, by Region, Through 2029

Table 18 : Global Market for Generative AI for Statistical Models in Software Offerings, by Region, Through 2029

Table 19 : Global Market for Generative AI for Rule-Based Models in Software Offerings, by Region, Through 2029

Table 20 : Global Market for Generative AI for Deep Learning Models in Software Offerings, by Region, Through 2029

Table 21 : Global Market for Generative AI for On-Premises Deployment Mode in Software Offerings, by Region, Through 2029

Table 22 : Global Market for Generative AI for Cloud Deployment Mode in Software

Offerings, by Region, Through 2029

Table 23 : Global Market for Generative AI for Hardware Offerings, by Region, Through 2029

Table 24 : Global Market for Generative AI for Service Offerings, by Region, Through 2029

Table 25 : Global Market for Generative AI, by Data Type, Through 2029

Table 26 : Data Types Offered in Global Market for Generative AI, by Vendors

Table 27 : Global Market for Generative AI for Textual Data Type, by Region, Through 2029

Table 28 : Global Market for Generative AI for Code Data Type, by Region, Through 2029

Table 29 : Global Market for Generative AI for Audio/Speech Data Type, by Region, Through 2029

Table 30 : Global Market for Generative AI for Image/Video Data Type, by Region, Through 2029

Table 31 : Global Market for Generative AI, by Application, Through 2029

Table 32 : Global Market for Generative AI for Business Integration and Visualization Applications, by Region, Through 2029

Table 33 : Global Market for Generative AI for Content Management Application, by Region, Through 2029

Table 34 : Global Market for Generative AI for Synthetic Data Management Application, by Region, Through 2029

Table 35 : Global Market for Generative AI for Automation and Integration Applications, by Region, Through 2029

Table 36 : Global Market for Generative AI for Generative Design Applications, by Region, Through 2029

Table 37 : Global Market for Generative AI, by End-User Industry, Through 2029

Table 38 : Global Market for Generative AI for the Media and Entertainment Industry, by Region, Through 2029

Table 39 : Global Market for Generative AI for BFSI Industry, by Region, Through 2029

Table 40 : Global Market for Generative AI for the IT and ITeS Industry, by Region, Through 2029

Table 41 : Global Market for Generative AI for the Healthcare and Life Sciences Industry, by Region, Through 2029

Table 42 : Global Market for Generative AI for the Retail and E-Commerce Industry, by Region, Through 2029

Table 43 : Global Market for Generative AI for the Manufacturing Industry, by Region, Through 2029

Table 44 : Global Market for Generative AI for Other End-User Industries, by Region,

Through 2029

Table 45 : Global Market for Generative AI, by Region, Through 2029

Table 46 : North American Market for Generative AI, by Country, Through 2029

Table 47 : North American Market for Generative AI, by Offerings, Through 2029

Table 48 : North American Market for Generative AI for Software Offerings, by Foundational Models, Through 2029

Table 49 : North American Market for Generative AI for Software Offerings, by Deployment Mode, Through 2029

Table 50 : North American Market for Generative AI for Hardware Offerings, by Type, Through 2029

Table 51 : North American Market for Generative AI for Service Offerings, by Type, Through 2029

Table 52 : North American Market for Generative AI, by Data Type, Through 2029

Table 53 : North American Market for Generative AI, by Application, Through 2029

Table 54 : North American Market for Generative AI, by End-User Industry, Through 2029

Table 55 : European Market for Generative AI, by Country, Through 2029

Table 56 : European Market for Generative AI, by Offerings, Through 2029

Table 57 : European Market for Generative AI for Software Offerings, by Foundational Models, Through 2029

Table 58 : European Market for Generative AI for Software Offerings, by Deployment Mode, Through 2029

Table 59 : European Market for Generative AI for Hardware Offerings, by Type, Through 2029

Table 60 : European Market for Generative AI for Service Offerings, by Type, Through 2029

Table 61 : European Market for Generative AI, by Data Type, Through 2029

Table 62 : European Market for Generative AI, by Application, Through 2029

Table 63 : European Market for Generative AI, by End-User Industry, Through 2029

Table 64 : Asia-Pacific Market for Generative AI, by Country, Through 2029

Table 65 : Asia-Pacific Market for Generative AI, by Offerings, Through 2029

Table 66 : Asia-Pacific Market for Generative AI for Software Offerings, by Foundational Models, Through 2029

Table 67 : Asia-Pacific Market for Generative AI for Software Offerings, by Deployment Mode, Through 2029

Table 68 : Asia-Pacific Market for Generative AI for Hardware Offerings, by Type, Through 2029

Table 69 : Asia-Pacific Market for Generative AI for Service Offerings, by Type, Through 2029

Table 70 : Asia-Pacific Market for Generative AI, by Data Type, Through 2029
Table 71 : Asia-Pacific Market for Generative AI, by Application, Through 2029
Table 72 : Asia-Pacific Market for Generative AI, by End-User Industry, Through 2029
Table 73 : RoW Market for Generative AI, by Sub-Region, Through 2029
Table 74 : RoW Market for Generative AI, by Offerings, Through 2029
Table 75 : RoW Market for Generative AI for Software Offerings, by Foundational Models, Through 2029
Table 76 : RoW Market for Generative AI for Software Offerings, by Deployment Mode, Through 2029
Table 77 : RoW Market for Generative AI for Hardware Offerings, by Type, Through 2029
Table 78 : RoW Market for Generative AI for Service Offerings, by Type, Through 2029
Table 79 : RoW Market for Generative AI, by Data Type, Through 2029
Table 80 : RoW Market for Generative AI, by Application, Through 2029
Table 81 : RoW Market for Generative AI, by End-User Industry, Through 2029
Table 82 : Key Players in Generative AI Product/Service Offerings
Table 83 : Market Ranking of Key Players, by Generative AI Offering Category, 2023
Table 84 : Startup Fundings in Generative AI Industry, January 2023–November 2024
Table 85 : Global Market for Generative AI, ESG Risk Ratings Metric, 2023
Table 86 : Information Sources in this Report
Table 87 : Abbreviations Used in the Report
Table 88 : Accenture: Company Snapshot
Table 89 : Accenture: Financial Performance, FY 2023 and 2024
Table 90 : Accenture: Product Portfolio
Table 91 : Accenture: News/Key Developments, 2023 and 2024
Table 92 : Adobe: Company Snapshot
Table 93 : Adobe: Financial Performance, FY 2022 and 2023
Table 94 : Adobe: Product Portfolio
Table 95 : Adobe: News/Key Developments, 2023 and 2024
Table 96 : Alibaba Group Holding Ltd.: Company Snapshot
Table 97 : Alibaba Group Holding Ltd.: Financial Performance, FY 2022 and 2023
Table 98 : Alibaba Group Holding Ltd.: Product Portfolio
Table 99 : Alibaba Group Holding Ltd.: News/Key Developments, 2023 and 2024
Table 100 : Alphabet Inc. (Google): Company Snapshot
Table 101 : Alphabet Inc. (Google): Financial Performance, FY 2022 and 2023
Table 102 : Alphabet Inc. (Google): Product Portfolio
Table 103 : Alphabet Inc. (Google): News/Key Developments, 2023 and 2024
Table 104 : Amazon.com Inc.: Company Snapshot
Table 105 : Amazon.com Inc.: Financial Performance, FY 2022 and 2023

Table 106 : Amazon.com Inc.: Product Portfolio
Table 107 : Amazon.com Inc.: News/Key Developments, 2023 and 2024
Table 108 : Anthropic PBC: Company Snapshot
Table 109 : Anthropic PBC: Product Portfolio
Table 110 : Anthropic PBC: News/Key Developments, 2024
Table 111 : Capgemini: Company Snapshot
Table 112 : Capgemini: Financial Performance, FY 2022 and 2023
Table 113 : Capgemini: Product Portfolio
Table 114 : Capgemini: News/Key Developments, 2023 and 2024
Table 115 : IBM: Company Snapshot
Table 116 : IBM: Financial Performance, FY 2022 and 2023
Table 117 : IBM: Product Portfolio
Table 118 : IBM: News/Key Developments, 2023 and 2024
Table 119 : Lumen5: Company Snapshot
Table 120 : Lumen5: Product Portfolio
Table 121 : Meta: Company Snapshot
Table 122 : Meta: Financial Performance, FY 2022 and 2023
Table 123 : Meta: Product Portfolio
Table 124 : Meta: News/Key Developments, 2023 and 2024
Table 125 : Microsoft: Company Snapshot
Table 126 : Microsoft: Financial Performance, FY 2022 and 2023
Table 127 : Microsoft: Product Portfolio
Table 128 : Microsoft: News/Key Developments, 2023 and 2024
Table 129 : Nvidia Corp.: Company Snapshot
Table 130 : Nvidia Corp.: Financial Performance, FY 2023 and 2024
Table 131 : Nvidia Corp.: Product Portfolio
Table 132 : Nvidia Corp.: News/Key Developments, 2023 and 2024
Table 133 : OpenAI: Company Snapshot
Table 134 : OpenAI: Product Portfolio
Table 135 : OpenAI: News/Key Developments, 2023 and 2024
Table 136 : Persado: Company Snapshot
Table 137 : Persado: Product Portfolio
Table 138 : Persado: News/Key Developments, 2023
Table 139 : Simplified (TLDR Technologies Inc.): Company Snapshot
Table 140 : Simplified (TLDR Technologies Inc.): Product Portfolio
Table 141 : Simplified (TLDR Technologies Inc.): News/Key Developments, 2023 and 2024
Table 142 : Other SMEs/Startups Product/Service Portfolio

List Of Figures

LIST OF FIGURES

Summary Figure : Global Market Shares of Generative AI, by Data Type, 2023

Figure 1 : Market Dynamics for Generative AI

Figure 2 : Average Annual Growth of Patent Families in the Different Generative AI Modes, 2018-2023

Figure 3 : Generative AI Patents Published, by Country, 2014–2023

Figure 4 : Global Market Shares of Generative AI, by Offerings, 2023

Figure 5 : Global Market Shares of Generative AI, by Data Type, 2023

Figure 6 : Global Market Shares of Generative AI, by Application, 2023

Figure 7 : Global Market Shares of Generative AI, by End-User Industry, 2023

Figure 8 : Global Market Shares of Generative AI, by Region, 2023

Figure 9 : FPNV Positioning Matrix for Generative AI Companies, 2023

Figure 10 : Strategies Adopted by Key Players in the Global Generative AI Market, 2023–November 2024

Figure 11 : Global Generative AI Market Ecosystem

Figure 12 : Global Venture Capital Investments in the Generative AI Startups, 2020–2023

Figure 13 : Accenture: Revenue Share, by Business Unit, FY 2024

Figure 14 : Accenture: Revenue Share, by Country/Region, FY 2024

Figure 15 : Adobe.: Revenue Share, by Business Unit, FY 2023

Figure 16 : Adobe: Revenue Share, by Country/Region, FY 2023

Figure 17 : Alibaba Group Holding Ltd.: Revenue Share, by Business Unit, FY 2023

Figure 18 : Alphabet Inc. (Google): Revenue Share, by Business Unit, FY 2023

Figure 19 : Alphabet Inc. (Google): Revenue Share, by Country/Region, FY 2023

Figure 20 : Amazon.com Inc.: Revenue Share, by Business Unit, FY 2023

Figure 21 : Amazon.com Inc.: Revenue Share, by Country/Region, FY 2023

Figure 22 : Capgemini: Revenue Share, by Business Unit, FY 2023

Figure 23 : Capgemini: Revenue Share, by Country/Region, FY 2023

Figure 24 : IBM: Revenue Share, by Business Unit, FY 2023

Figure 25 : IBM: Revenue Share, by Country/Region, FY 2023

Figure 26 : Meta: Revenue Share, by Business Unit, FY 2023

Figure 27 : Meta: Revenue Share, by Country/Region, FY 2023

Figure 28 : Microsoft: Revenue Share, by Business Unit, FY 2023

Figure 29 : Microsoft: Revenue Share, by Country/Region, FY 2023

Figure 30 : Nvidia Corp.: Revenue Share, by Business Unit, FY 2024

Figure 31 : Nvidia Corp.: Revenue Share, by Country/Region, FY 2024

I would like to order

Product name: Generative AI: Global Markets

Product link: <https://marketpublishers.com/r/G5BCC71C186EEN.html>

Price: US\$ 4,650.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G5BCC71C186EEN.html>