

Global Memory Devices Market Size Study & Forecast, by Type (Static Random-Access Memory (SRAM), Magnetoresistive Random-Access Memory (MRAM), Dynamic Random-Access Memory (DRAM), Flash Read-Only Memory (Flash ROM)), By End-user Industry (Consumer Electronics, IT & Telecommunication, Automotive, Aerospace & Defense, Healthcare, Others), and Regional Analysis, 2023-2030

<https://marketpublishers.com/r/GE98C5AB7361EN.html>

Date: August 2023

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: GE98C5AB7361EN

Abstracts

Global Memory Devices Market is valued at approximately USD 143.37 billion in 2022 and is anticipated to grow with a healthy growth rate of more than 14.9% over the forecast period 2023-2030. Memory devices are electronic components used for storing and retrieving data in digital systems. These devices play a crucial role in computers, smartphones, gaming consoles, servers, and other electronic devices by providing a means to store and access information. The Memory Devices Market is expanding because of factors such as the surging demand for consumer electronics, expansion of cloud computing services and the growth of data centers, continuous advancements in-memory technologies, and increasing demand for high-speed connectivity.

In addition, the rapid proliferation of IoT applications is acting as a catalyzing factor for market growth across the globe. As per Statista, the Internet of Things (IoT) industry generated overall revenue in 2019 was USD 388 billion, which is projected to reach USD 1058.3 billion by 2030. The proliferation of IoT applications, including smart homes, connected vehicles, industrial automation, and healthcare devices, drives the demand for memory devices. These devices rely on memory components to store and

manage data, enabling efficient communication and functionality in IoT ecosystems. The Indian Brand Equity Foundation stated that, the Indian appliances, and consumer electronics market accounted for USD 10.93 billion in 2019, and the amount is projected to increase and grow to USD 21.18 billion by 2025. Also, according to Statista, it is projected that the retail revenue from consumer electronics sales in the United States is accounted for USD 505 billion in 2022, which is an increase from USD 442 billion in 2020. Thus, these aforementioned factors are propelling the growth of the memory devices market during the estimated period. Moreover, the increasing adoption of Artificial Intelligence (AI) and Machine Learning (ML), as well as the emergence of memory chipsets in the automotive sector present various lucrative opportunities over the forecasting years. However, the technological complexities and the security and data privacy concerns are challenging the market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Memory Devices Market study include Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. Asia Pacific dominated the market in 2022 owing to the increasing adoption of Artificial Intelligence (AI) and the Internet of Things in smart cities, as well as a growing number of small-scale and medium scaled-system manufacturers in developing countries such as Japan and India. Whereas, North America is expected to grow at a significant CAGR over the forecasting years. The rising implementation of advanced technology in personal computing and in the industrial sector, increasing integration of advanced technologies, along with the rising adoption of IoT applications are propelling the market demand across the region.

Major market players included in this report are:

Broadcom Inc. (U.S.)

Intel Corporation (Netherlands)

Micron Technology Inc (U.S.)

Samsung Electronics Co., Ltd (South Korea)

Toshiba Corporation (Japan)

Macronix International Co., Ltd. (Taiwan)

Taiwan Semiconductor Manufacturing Company Limited (Taiwan)

Sony Semiconductor Manufacturing Corporation (Japan)

LAM Research (U.S.)

Texas Instruments (Germany)

Recent Developments in the Market:

In September 2020, Alliance Memory collaborated with Micron Technology, a major

supplier of semiconductors and chips for memory in order to market Alliance Memory micron goods on a worldwide scale.

In July 2021, Intel Corporation, a leading worldwide supplier of advanced processing units and memory storage systems announced the company's partnership with MediaTek, a manufacturer of processors for smartphones. Through this alliance, both companies will be able to share a foundry for the production of semiconductors and memory storage units.

In November 2021, Sony Semiconductors partnered forces with Silicon Catalyst, a major supplier of semiconductors. The objective of this partnership is to develop advanced memory chips and offer superior products to their customers.

Global Memory Devices Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Type, End-user Industry, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

Static Random-Access Memory (SRAM)

Magnetoresistive Random-Access Memory (MRAM)

Dynamic Random-Access Memory (DRAM)

Flash Read-Only Memory (Flash ROM)

By End-user Industry:

Consumer Electronics
IT & Telecommunication
Automotive
Aerospace & Defense
Healthcare
Others

By Region:**North America**

U.S.
Canada

Europe

UK
Germany
France
Spain
Italy
ROE

Asia Pacific

China
India
Japan
Australia
South Korea
RoAPAC

Latin America

Brazil
Mexico

Middle East & Africa

Saudi Arabia
South Africa
Rest of Middle East & Africa

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2030 (USD Billion)
 - 1.2.1. Memory Devices Market, by Region, 2020-2030 (USD Billion)
 - 1.2.2. Memory Devices Market, by Type, 2020-2030 (USD Billion)
 - 1.2.3. Memory Devices Market, by End-user Industry, 2020-2030 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL MEMORY DEVICES MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Industry Evolution
 - 2.2.2. Scope of the Study
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL MEMORY DEVICES MARKET DYNAMICS

- 3.1. Memory Devices Market Impact Analysis (2020-2030)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Surging demand for consumer electronics
 - 3.1.1.2. Rapid proliferation of IoT applications
 - 3.1.2. Market Challenges
 - 3.1.2.1. Technological complexities
 - 3.1.2.2. Increasing security and data privacy concerns
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Increasing adoption of Artificial Intelligence (AI) and Machine Learning (ML)
 - 3.1.3.2. Emergence of memory chipsets in the automotive sector

CHAPTER 4. GLOBAL MEMORY DEVICES MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers

- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.2. Porter's 5 Force Impact Analysis
- 4.3. PEST Analysis
 - 4.3.1. Political
 - 4.3.2. Economical
 - 4.3.3. Social
 - 4.3.4. Technological
 - 4.3.5. Environmental
 - 4.3.6. Legal
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. COVID-19 Impact Analysis
- 4.7. Disruptive Trends
- 4.8. Industry Expert Perspective
- 4.9. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL MEMORY DEVICES MARKET, BY TYPE

- 5.1. Market Snapshot
- 5.2. Global Memory Devices Market by Type, Performance - Potential Analysis
- 5.3. Global Memory Devices Market Estimates & Forecasts by Type 2020-2030 (USD Billion)
- 5.4. Memory Devices Market, Sub Segment Analysis
 - 5.4.1. Static Random-Access Memory (SRAM)
 - 5.4.2. Magnetoresistive Random-Access Memory (MRAM)
 - 5.4.3. Dynamic Random-Access Memory (DRAM)
 - 5.4.4. Flash Read-Only Memory (Flash ROM)

CHAPTER 6. GLOBAL MEMORY DEVICES MARKET, BY END-USER INDUSTRY

- 6.1. Market Snapshot
- 6.2. Global Memory Devices Market by End-user Industry, Performance - Potential Analysis
- 6.3. Global Memory Devices Market Estimates & Forecasts by End-user Industry 2020-2030 (USD Billion)
- 6.4. Memory Devices Market, Sub Segment Analysis

- 6.4.1. Consumer Electronics
- 6.4.2. IT & Telecommunication
- 6.4.3. Automotive
- 6.4.4. Aerospace & Defense
- 6.4.5. Healthcare
- 6.4.6. Others

CHAPTER 7. GLOBAL MEMORY DEVICES MARKET, REGIONAL ANALYSIS

- 7.1. Top Leading Countries
- 7.2. Top Emerging Countries
- 7.3. Memory Devices Market, Regional Market Snapshot
- 7.4. North America Memory Devices Market
 - 7.4.1. U.S. Memory Devices Market
 - 7.4.1.1. Type breakdown estimates & forecasts, 2020-2030
 - 7.4.1.2. End-user Industry breakdown estimates & forecasts, 2020-2030
 - 7.4.2. Canada Memory Devices Market
- 7.5. Europe Memory Devices Market Snapshot
 - 7.5.1. U.K. Memory Devices Market
 - 7.5.2. Germany Memory Devices Market
 - 7.5.3. France Memory Devices Market
 - 7.5.4. Spain Memory Devices Market
 - 7.5.5. Italy Memory Devices Market
 - 7.5.6. Rest of Europe Memory Devices Market
- 7.6. Asia-Pacific Memory Devices Market Snapshot
 - 7.6.1. China Memory Devices Market
 - 7.6.2. India Memory Devices Market
 - 7.6.3. Japan Memory Devices Market
 - 7.6.4. Australia Memory Devices Market
 - 7.6.5. South Korea Memory Devices Market
 - 7.6.6. Rest of Asia Pacific Memory Devices Market
- 7.7. Latin America Memory Devices Market Snapshot
 - 7.7.1. Brazil Memory Devices Market
 - 7.7.2. Mexico Memory Devices Market
- 7.8. Middle East & Africa Memory Devices Market
 - 7.8.1. Saudi Arabia Memory Devices Market
 - 7.8.2. South Africa Memory Devices Market
 - 7.8.3. Rest of Middle East & Africa Memory Devices Market

CHAPTER 8. COMPETITIVE INTELLIGENCE

8.1. Key Company SWOT Analysis

8.1.1. Company

8.1.2. Company

8.1.3. Company

8.2. Top Market Strategies

8.3. Company Profiles

8.3.1. Broadcom Inc. (U.S.)

8.3.1.1. Key Information

8.3.1.2. Overview

8.3.1.3. Financial (Subject to Data Availability)

8.3.1.4. Product Summary

8.3.1.5. Recent Developments

8.3.2. Intel Corporation (Netherlands)

8.3.3. Micron Technology Inc (U.S.)

8.3.4. Samsung Electronics Co., Ltd (South Korea)

8.3.5. Toshiba Corporation (Japan)

8.3.6. Macronix International Co., Ltd. (Taiwan)

8.3.7. Taiwan Semiconductor Manufacturing Company Limited (Taiwan)

8.3.8. Sony Group Corporation (Japan)

8.3.9. LAM Research Corporation (U.S.)

8.3.10. Texas Instruments Inc.(Germany)

CHAPTER 9. RESEARCH PROCESS

9.1. Research Process

9.1.1. Data Mining

9.1.2. Analysis

9.1.3. Market Estimation

9.1.4. Validation

9.1.5. Publishing

9.2. Research Attributes

9.3. Research Assumption

12. List of Tables

TABLE 1. Global Memory Devices Market, report scope

TABLE 2. Global Memory Devices Market estimates & forecasts by Region 2020-2030 (USD Billion)

TABLE 3. Global Memory Devices Market estimates & forecasts by Type 2020-2030

(USD Billion)

TABLE 4. Global Memory Devices Market estimates & forecasts by End-user Industry 2020-2030 (USD Billion)

TABLE 5. Global Memory Devices Market by segment, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 6. Global Memory Devices Market by region, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 7. Global Memory Devices Market by segment, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 8. Global Memory Devices Market by region, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 9. Global Memory Devices Market by segment, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 10. Global Memory Devices Market by region, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 11. Global Memory Devices Market by segment, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 12. Global Memory Devices Market by region, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 13. Global Memory Devices Market by segment, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 14. Global Memory Devices Market by region, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 15. U.S. Memory Devices Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 16. U.S. Memory Devices Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 17. U.S. Memory Devices Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 18. Canada Memory Devices Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 19. Canada Memory Devices Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 20. Canada Memory Devices Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 21. UK Memory Devices Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 22. UK Memory Devices Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 23. UK Memory Devices Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 24. Germany Memory Devices Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 25. Germany Memory Devices Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 26. Germany Memory Devices Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 27. France Memory Devices Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 28. France Memory Devices Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 29. France Memory Devices Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 30. Italy Memory Devices Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 31. Italy Memory Devices Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 32. Italy Memory Devices Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 33. Spain Memory Devices Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 34. Spain Memory Devices Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 35. Spain Memory Devices Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 36. RoE Memory Devices Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 37. RoE Memory Devices Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 38. RoE Memory Devices Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 39. China Memory Devices Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 40. China Memory Devices Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 41. China Memory Devices Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 42. India Memory Devices Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 43. India Memory Devices Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 44. India Memory Devices Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 45. Japan Memory Devices Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 46. Japan Memory Devices Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 47. Japan Memory Devices Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 48. South Korea Memory Devices Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 49. South Korea Memory Devices Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 50. South Korea Memory Devices Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 51. Australia Memory Devices Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 52. Australia Memory Devices Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 53. Australia Memory Devices Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 54. RoAPAC Memory Devices Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 55. RoAPAC Memory Devices Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 56. RoAPAC Memory Devices Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 57. Brazil Memory Devices Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 58. Brazil Memory Devices Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 59. Brazil Memory Devices Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 60. Mexico Memory Devices Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 61. Mexico Memory Devices Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 62. Mexico Memory Devices Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 63. RoLA Memory Devices Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 64. RoLA Memory Devices Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 65. RoLA Memory Devices Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 66. Saudi Arabia Memory Devices Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 67. South Africa Memory Devices Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 68. RoMEA Memory Devices Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 69. 12. List of secondary sources, used in the study of global Memory Devices Market

TABLE 70. 12. List of primary sources, used in the study of global Memory Devices Market

TABLE 71. Years considered for the study

TABLE 72. Exchange rates considered

12. List of tables and figures and dummy in nature, final lists may vary in the final deliverable

12. List of figures

FIG 1. Global Memory Devices Market, research methodology

FIG 2. Global Memory Devices Market, Market estimation techniques

FIG 3. Global Market size estimates & forecast methods

FIG 4. Global Memory Devices Market, key trends 2022

FIG 5. Global Memory Devices Market, growth prospects 2023-2030

FIG 6. Global Memory Devices Market, porters 5 force model

FIG 7. Global Memory Devices Market, pest analysis

FIG 8. Global Memory Devices Market, value chain analysis

FIG 9. Global Memory Devices Market by segment, 2020 & 2030 (USD Billion)

FIG 10. Global Memory Devices Market by segment, 2020 & 2030 (USD Billion)

FIG 11. Global Memory Devices Market by segment, 2020 & 2030 (USD Billion)

FIG 12. Global Memory Devices Market by segment, 2020 & 2030 (USD Billion)

FIG 13. Global Memory Devices Market by segment, 2020 & 2030 (USD Billion)

FIG 14. Global Memory Devices Market, regional snapshot 2020 & 2030

FIG 15. North America Memory Devices Market 2020 & 2030 (USD Billion)

FIG 16. Europe Memory Devices Market 2020 & 2030 (USD Billion)

FIG 17. Asia pacific Memory Devices Market 2020 & 2030 (USD Billion)

FIG 18. Latin America Memory Devices Market 2020 & 2030 (USD Billion)

FIG 19. Middle East & Africa Memory Devices Market 2020 & 2030 (USD Billion)

12. List of tables and figures and dummy in nature, final lists may vary in the final deliverable

I would like to order

Product name: Global Memory Devices Market Size Study & Forecast, by Type (Static Random-Access Memory (SRAM), Magnetoresistive Random-Access Memory (MRAM), Dynamic Random-Access Memory (DRAM), Flash Read-Only Memory (Flash ROM)), By End-user Industry (Consumer Electronics, IT & Telecommunication, Automotive, Aerospace & Defense, Healthcare, Others), and Regional Analysis, 2023-2030

Product link: <https://marketpublishers.com/r/GE98C5AB7361EN.html>

Price: US\$ 4,950.00 (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/GE98C5AB7361EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970