

Global Embedded Non-Volatile Memory Market Size study & Forecast, by Product (eFlash, eE2PROM, FRAM, Others), and Regional Analysis, 2023-2030

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Abstracts

Global Embedded Non-Volatile Memory Market is valued approximately USD XX billion in 2022 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2023-2030. The embedded non-volatile memory (eNVM) market refers to the industry involved in the development and manufacturing of non-volatile memory technologies that are integrated into electronic devices and systems. Non-volatile memory is a type of memory that retains stored data even when the power supply is disconnected. The major driving factors for the Global Embedded Non-Volatile Memory Market are increasing demand for higher capacity and faster access and rise in smart manufacturing and industrial automation. Moreover, advancements in semiconductor manufacturing, rising research and development and growing automotive electronics industry are creating lucrative growth opportunities for the market over the forecast period 2023-2030.

The increasing research activities in the field of embedded non-volatile memory (eNVM) are contributing to the market's growth. One such example is Infineon Technologies LLC, which announced the launch of second-generation non-volatile Static RAMs (nvSRAMs) in March 2021. These nvSRAMs are specifically designed to meet the requirements of QML-Q (Qualified Manufacturer List - Q) and high-reliability industrial specifications. However, the high manufacturing cost of Embedded Non-Volatile Memory stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Embedded Non-Volatile Memory Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America is dominating market for eNVM, driven by the presence of key semiconductor companies, technological advancements, and the adoption of embedded

memory solutions in various industries such as automotive, aerospace, and consumer electronics. The region has a strong focus on research and development, leading to innovation in eNVM technologies. Asia Pacific is a fastest-growing region in the eNVM market, driven by the presence of major semiconductor foundries, high-volume manufacturing capabilities, and the growing demand for consumer electronics, automotive, and industrial applications. Countries like China, South Korea, Japan, and Taiwan have a strong semiconductor industry ecosystem and contribute significantly to the regional market growth.

Major market player included in this report are:

GLOBALFOUNDRIES

Samsung Electronics

Taiwan Semiconductor Manufacturing Company

Macronix International Co., Ltd.

Winbond Electronics Corporation

Cypress Semiconductor Corporation

Dialog Semiconductor

Kilopass Technology Inc.

Microchip Technology Inc.

Crossbar Inc.

Recent Developments in the Market:

In January 2022, SK Hynix Inc. successfully completed the first phase of the acquisition of Intel's NAND and solid-state drive (SSD) operations. As part of the acquisition, SK Hynix acquired Intel's SSD division as well as the Dalian NAND flash manufacturing facility in China. Through this tactical acquisition, SK Hynix may enhance its production capacity for SSDs and increase its market share in NAND flash memory.

In November 2019, Siemens announced its acquisition of Atlas 3D, a software developer for selective laser melting (SLM) metal additive manufacturing. This acquisition aimed to enhance Siemens' digitalization strategy for smart manufacturing and expand its capabilities in industrial 3D printing.

Global Embedded Non-Volatile Memory 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 - Product, 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 Product:

eFlash

eE2PROM

FRAM

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. Embedded Non-Volatile Memory Market, by Region, 2020-2030 (USD Billion)
 - 1.2.2. Embedded Non-Volatile Memory Market, by Product, 2020-2030 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL EMBEDDED NON-VOLATILE MEMORY 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 EMBEDDED NON-VOLATILE MEMORY MARKET DYNAMICS

- 3.1. Embedded Non-Volatile Memory Market Impact Analysis (2020-2030)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Increasing Demand for Higher Capacity and Faster Access
 - 3.1.1.2. Rise in Smart Manufacturing and Industrial Automation
 - 3.1.2. Market Challenges
 - 3.1.2.1. High Manufacturing Cost of Embedded Non-Volatile Memory
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Advancements in Semiconductor Manufacturing
 - 3.1.3.2. Rising research and development
 - 3.1.3.3. Growing Automotive Electronics Industry

CHAPTER 4. GLOBAL EMBEDDED NON-VOLATILE MEMORY 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 EMBEDDED NON-VOLATILE MEMORY MARKET, BY PRODUCT

- 5.1. Market Snapshot
- 5.2. Global Embedded Non-Volatile Memory Market by Product, Performance - Potential Analysis
- 5.3. Global Embedded Non-Volatile Memory Market Estimates & Forecasts by Product 2020-2030 (USD Billion)
- 5.4. Embedded Non-Volatile Memory Market, Sub Segment Analysis
 - 5.4.1. eFlash
 - 5.4.2. eE2PROM
 - 5.4.3. FRAM
 - 5.4.4. Others

CHAPTER 6. GLOBAL EMBEDDED NON-VOLATILE MEMORY MARKET, REGIONAL ANALYSIS

- 6.1. Top Leading Countries

- 6.2. Top Emerging Countries
- 6.3. Embedded Non-Volatile Memory Market, Regional Market Snapshot
- 6.4. North America Embedded Non-Volatile Memory Market
 - 6.4.1. U.S. Embedded Non-Volatile Memory Market
 - 6.4.1.1. Product breakdown estimates & forecasts, 2020-2030
 - 6.4.2. Canada Embedded Non-Volatile Memory Market
- 6.5. Europe Embedded Non-Volatile Memory Market Snapshot
 - 6.5.1. U.K. Embedded Non-Volatile Memory Market
 - 6.5.2. Germany Embedded Non-Volatile Memory Market
 - 6.5.3. France Embedded Non-Volatile Memory Market
 - 6.5.4. Spain Embedded Non-Volatile Memory Market
 - 6.5.5. Italy Embedded Non-Volatile Memory Market
 - 6.5.6. Rest of Europe Embedded Non-Volatile Memory Market
- 6.6. Asia-Pacific Embedded Non-Volatile Memory Market Snapshot
 - 6.6.1. China Embedded Non-Volatile Memory Market
 - 6.6.2. India Embedded Non-Volatile Memory Market
 - 6.6.3. Japan Embedded Non-Volatile Memory Market
 - 6.6.4. Australia Embedded Non-Volatile Memory Market
 - 6.6.5. South Korea Embedded Non-Volatile Memory Market
 - 6.6.6. Rest of Asia Pacific Embedded Non-Volatile Memory Market
- 6.7. Latin America Embedded Non-Volatile Memory Market Snapshot
 - 6.7.1. Brazil Embedded Non-Volatile Memory Market
 - 6.7.2. Mexico Embedded Non-Volatile Memory Market
- 6.8. Middle East & Africa Embedded Non-Volatile Memory Market
 - 6.8.1. Saudi Arabia Embedded Non-Volatile Memory Market
 - 6.8.2. South Africa Embedded Non-Volatile Memory Market
 - 6.8.3. Rest of Middle East & Africa Embedded Non-Volatile Memory Market

CHAPTER 7. COMPETITIVE INTELLIGENCE

- 7.1. Key Company SWOT Analysis
 - 7.1.1. Company
 - 7.1.2. Company
 - 7.1.3. Company
- 7.2. Top Market Strategies
- 7.3. Company Profiles
 - 7.3.1. GLOBALFOUNDRIES
 - 7.3.1.1. Key Information
 - 7.3.1.2. Overview

- 7.3.1.3. Financial (Subject to Data Availability)
- 7.3.1.4. Product Summary
- 7.3.1.5. Recent Developments
- 7.3.2. Samsung Electronics
- 7.3.3. Taiwan Semiconductor Manufacturing Company
- 7.3.4. Macronix International Co., Ltd.
- 7.3.5. Winbond Electronics Corporation
- 7.3.6. Cypress Semiconductor Corporation
- 7.3.7. Dialog Semiconductor
- 7.3.8. Kilopass Technology Inc.
- 7.3.9. Microchip Technology Inc.
- 7.3.10. Crossbar Inc.

CHAPTER 8. RESEARCH PROCESS

8.1. Research Process

- 8.1.1. Data Mining
- 8.1.2. Analysis
- 8.1.3. Market Estimation
- 8.1.4. Validation
- 8.1.5. Publishing

8.2. Research Attributes

8.3. Research Assumption

List of Tables

TABLE 1. Global Embedded Non-Volatile Memory Market, report scope

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

TABLE 3. Global Embedded Non-Volatile Memory Market estimates & forecasts by Product 2020-2030 (USD Billion)

TABLE 4. Global Embedded Non-Volatile Memory Market by segment, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 5. Global Embedded Non-Volatile Memory Market by region, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 6. Global Embedded Non-Volatile Memory Market by segment, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 7. Global Embedded Non-Volatile Memory Market by region, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 8. Global Embedded Non-Volatile Memory Market by segment, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 9. Global Embedded Non-Volatile Memory Market by region, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 10. Global Embedded Non-Volatile Memory Market by segment, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 11. Global Embedded Non-Volatile Memory Market by region, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 12. Global Embedded Non-Volatile Memory Market by segment, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 13. Global Embedded Non-Volatile Memory Market by region, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 14. U.S. Embedded Non-Volatile Memory Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 15. U.S. Embedded Non-Volatile Memory Market estimates & forecasts by segment 2020-2030 (USD Billion)

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

TABLE 17. Canada Embedded Non-Volatile Memory Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 18. Canada Embedded Non-Volatile Memory Market estimates & forecasts by segment 2020-2030 (USD Billion)

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

TABLE 20. UK Embedded Non-Volatile Memory Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 21. UK Embedded Non-Volatile Memory Market estimates & forecasts by segment 2020-2030 (USD Billion)

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

TABLE 23. Germany Embedded Non-Volatile Memory Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 24. Germany Embedded Non-Volatile Memory Market estimates & forecasts by segment 2020-2030 (USD Billion)

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

TABLE 26. France Embedded Non-Volatile Memory Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 27. France Embedded Non-Volatile Memory Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 28. France Embedded Non-Volatile Memory Market estimates & forecasts by

segment 2020-2030 (USD Billion)

TABLE 29. Italy Embedded Non-Volatile Memory Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 30. Italy Embedded Non-Volatile Memory Market estimates & forecasts by segment 2020-2030 (USD Billion)

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

TABLE 32. Spain Embedded Non-Volatile Memory Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 33. Spain Embedded Non-Volatile Memory Market estimates & forecasts by segment 2020-2030 (USD Billion)

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

TABLE 35. RoE Embedded Non-Volatile Memory Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 36. RoE Embedded Non-Volatile Memory Market estimates & forecasts by segment 2020-2030 (USD Billion)

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

TABLE 38. China Embedded Non-Volatile Memory Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 39. China Embedded Non-Volatile Memory Market estimates & forecasts by segment 2020-2030 (USD Billion)

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

TABLE 41. India Embedded Non-Volatile Memory Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 42. India Embedded Non-Volatile Memory Market estimates & forecasts by segment 2020-2030 (USD Billion)

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

TABLE 44. Japan Embedded Non-Volatile Memory Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 45. Japan Embedded Non-Volatile Memory Market estimates & forecasts by segment 2020-2030 (USD Billion)

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

TABLE 47. South Korea Embedded Non-Volatile Memory Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 48. South Korea Embedded Non-Volatile Memory Market estimates & forecasts by segment 2020-2030 (USD Billion)

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

TABLE 50. Australia Embedded Non-Volatile Memory Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 51. Australia Embedded Non-Volatile Memory Market estimates & forecasts by segment 2020-2030 (USD Billion)

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

TABLE 53. RoAPAC Embedded Non-Volatile Memory Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 54. RoAPAC Embedded Non-Volatile Memory Market estimates & forecasts by segment 2020-2030 (USD Billion)

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

TABLE 56. Brazil Embedded Non-Volatile Memory Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 57. Brazil Embedded Non-Volatile Memory Market estimates & forecasts by segment 2020-2030 (USD Billion)

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

TABLE 59. Mexico Embedded Non-Volatile Memory Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 60. Mexico Embedded Non-Volatile Memory Market estimates & forecasts by segment 2020-2030 (USD Billion)

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

TABLE 62. RoLA Embedded Non-Volatile Memory Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 63. RoLA Embedded Non-Volatile Memory Market estimates & forecasts by segment 2020-2030 (USD Billion)

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

TABLE 65. Saudi Arabia Embedded Non-Volatile Memory Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 66. South Africa Embedded Non-Volatile Memory Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 67. RoMEA Embedded Non-Volatile Memory Market estimates & forecasts by

segment 2020-2030 (USD Billion)

TABLE 68. List of secondary sources, used in the study of global Embedded Non-Volatile Memory Market

TABLE 69. List of primary sources, used in the study of global Embedded Non-Volatile Memory Market

TABLE 70. Years considered for the study

TABLE 71. Exchange rates considered

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

List of figures

FIG 1. Global Embedded Non-Volatile Memory Market, research methodology

FIG 2. Global Embedded Non-Volatile Memory Market, Market estimation techniques

FIG 3. Global Market size estimates & forecast methods

FIG 4. Global Embedded Non-Volatile Memory Market, key trends 2022

FIG 5. Global Embedded Non-Volatile Memory Market, growth prospects 2023-2030

FIG 6. Global Embedded Non-Volatile Memory Market, porters 5 force model

FIG 7. Global Embedded Non-Volatile Memory Market, pest analysis

FIG 8. Global Embedded Non-Volatile Memory Market, value chain analysis

FIG 9. Global Embedded Non-Volatile Memory Market by segment, 2020 & 2030 (USD Billion)

FIG 10. Global Embedded Non-Volatile Memory Market by segment, 2020 & 2030 (USD Billion)

FIG 11. Global Embedded Non-Volatile Memory Market by segment, 2020 & 2030 (USD Billion)

FIG 12. Global Embedded Non-Volatile Memory Market by segment, 2020 & 2030 (USD Billion)

FIG 13. Global Embedded Non-Volatile Memory Market by segment, 2020 & 2030 (USD Billion)

FIG 14. Global Embedded Non-Volatile Memory Market, regional snapshot 2020 & 2030

FIG 15. North America Embedded Non-Volatile Memory Market 2020 & 2030 (USD Billion)

FIG 16. Europe Embedded Non-Volatile Memory Market 2020 & 2030 (USD Billion)

FIG 17. Asia pacific Embedded Non-Volatile Memory Market 2020 & 2030 (USD Billion)

FIG 18. Latin America Embedded Non-Volatile Memory Market 2020 & 2030 (USD Billion)

FIG 19. Middle East & Africa Embedded Non-Volatile Memory Market 2020 & 2030 (USD Billion)

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

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