

Global Embedded Non-Volatile Memory (ENVM) Market Growth 2025-2031

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Abstracts

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The global Embedded Non-Volatile Memory (ENVM) market size is predicted to grow from US\$ 10440 million in 2025 to US\$ 27070 million in 2031; it is expected to grow at a CAGR of 17.2% from 2025 to 2031.

Embedded non-volatile memory (eNVM) has become an important and essential IP that adds flexibility to electronic products and helps accelerate time-to-market. UMC (Incl. Fujitsu) offers state-of-the-art embedded non-volatile solutions to meet a variety of embedded system applications. High quality embedded non-volatile memories (eFuse, eOTP, eMTP, eE2 PROM and eFlash) can be used for trimming, redundancy, data encryption, ID, coding and programming. There are many types of eNVM available in the market, differentiated by their endurance. For example, eFlash, eE2 PROM and eMTP can be programmed multiple times, whereas eOTP and eFuse can only be programmed once. eE2 PROM has excellent endurance among these five solutions, but the trade-off is larger macro size within high density memory. To leverage density and cost, eFlash and eE2 PROM are recommended for those high density NVM applications such smart card, SIM card, MCU, etc. On the other hand, eMTP and eOTP can be recommended for medium density NVM applications such PMIC and display driver IC. For lower density eNVM requirements in general purpose applications, eFuse is suggested.

Global Embedded Non-Volatile Memory (ENVM) key players include TSMC, GlobalFoundries, UMC (Incl. Fujitsu), SMIC, Samsung, etc. Global top five manufacturers hold a share about 80%. Asia-Pacific is the largest market, with a share about 45%, followed by North America and Europe, both have a share about 50

percent. In terms of product, eFlash is the largest segment, with a share over 44%. And in terms of application, the largest application is Consumer Electronics, followed by Telecommunications, Automotive, etc.

LP Information, Inc. (LPI) ' newest research report, the “Embedded Non-Volatile Memory (ENVM) Industry Forecast” looks at past sales and reviews total world Embedded Non-Volatile Memory (ENVM) sales in 2024, providing a comprehensive analysis by region and market sector of projected Embedded Non-Volatile Memory (ENVM) sales for 2025 through 2031. With Embedded Non-Volatile Memory (ENVM) sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Embedded Non-Volatile Memory (ENVM) industry.

This Insight Report provides a comprehensive analysis of the global Embedded Non-Volatile Memory (ENVM) landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Embedded Non-Volatile Memory (ENVM) portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Embedded Non-Volatile Memory (ENVM) market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Embedded Non-Volatile Memory (ENVM) 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 Embedded Non-Volatile Memory (ENVM).

This report presents a comprehensive overview, market shares, and growth opportunities of Embedded Non-Volatile Memory (ENVM) market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

eFlash

eE2PROM

eOTP/eMTP

eFRAM

eMRAM

Others

Segmentation by Application:

Consumer Electronics

IoT

Telecommunications

Automotive

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

TSMC

GlobalFoundries

UMC (Incl. Fujitsu)

SMIC

Samsung

HHGrace

TowerJazz

Microchip Technology

TI

Key Questions Addressed in this Report

What is the 10-year outlook for the global Embedded Non-Volatile Memory (ENVM) market?

What factors are driving Embedded Non-Volatile Memory (ENVM) market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Embedded Non-Volatile Memory (ENVM) market opportunities vary by end market size?

How does Embedded Non-Volatile Memory (ENVM) break out by Type, by Application?

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
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Embedded Non-Volatile Memory (ENVM) Annual Sales 2020-2031
 - 2.1.2 World Current & Future Analysis for Embedded Non-Volatile Memory (ENVM) by Geographic Region, 2020, 2024 & 2031
 - 2.1.3 World Current & Future Analysis for Embedded Non-Volatile Memory (ENVM) by Country/Region, 2020, 2024 & 2031
- 2.2 Embedded Non-Volatile Memory (ENVM) Segment by Type
 - 2.2.1 eFlash
 - 2.2.2 eE2PROM
 - 2.2.3 eOTP/eMTP
 - 2.2.4 eFRAM
 - 2.2.5 eMRAM
 - 2.2.6 Others
- 2.3 Embedded Non-Volatile Memory (ENVM) Sales by Type
 - 2.3.1 Global Embedded Non-Volatile Memory (ENVM) Sales Market Share by Type (2020-2025)
 - 2.3.2 Global Embedded Non-Volatile Memory (ENVM) Revenue and Market Share by Type (2020-2025)
 - 2.3.3 Global Embedded Non-Volatile Memory (ENVM) Sale Price by Type (2020-2025)
- 2.4 Embedded Non-Volatile Memory (ENVM) Segment by Application
 - 2.4.1 Consumer Electronics
 - 2.4.2 IoT
 - 2.4.3 Telecommunications
 - 2.4.4 Automotive

2.4.5 Others

2.5 Embedded Non-Volatile Memory (ENVM) Sales by Application

2.5.1 Global Embedded Non-Volatile Memory (ENVM) Sale Market Share by Application (2020-2025)

2.5.2 Global Embedded Non-Volatile Memory (ENVM) Revenue and Market Share by Application (2020-2025)

2.5.3 Global Embedded Non-Volatile Memory (ENVM) Sale Price by Application (2020-2025)

3 GLOBAL BY COMPANY

3.1 Global Embedded Non-Volatile Memory (ENVM) Breakdown Data by Company

3.1.1 Global Embedded Non-Volatile Memory (ENVM) Annual Sales by Company (2020-2025)

3.1.2 Global Embedded Non-Volatile Memory (ENVM) Sales Market Share by Company (2020-2025)

3.2 Global Embedded Non-Volatile Memory (ENVM) Annual Revenue by Company (2020-2025)

3.2.1 Global Embedded Non-Volatile Memory (ENVM) Revenue by Company (2020-2025)

3.2.2 Global Embedded Non-Volatile Memory (ENVM) Revenue Market Share by Company (2020-2025)

3.3 Global Embedded Non-Volatile Memory (ENVM) Sale Price by Company

3.4 Key Manufacturers Embedded Non-Volatile Memory (ENVM) Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Embedded Non-Volatile Memory (ENVM) Product Location Distribution

3.4.2 Players Embedded Non-Volatile Memory (ENVM) Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR EMBEDDED NON-VOLATILE MEMORY (ENVM) BY GEOGRAPHIC REGION

4.1 World Historic Embedded Non-Volatile Memory (ENVM) Market Size by Geographic Region (2020-2025)

4.1.1 Global Embedded Non-Volatile Memory (ENVM) Annual Sales by Geographic Region (2020-2025)

4.1.2 Global Embedded Non-Volatile Memory (ENVM) Annual Revenue by Geographic Region (2020-2025)

4.2 World Historic Embedded Non-Volatile Memory (ENVM) Market Size by Country/Region (2020-2025)

4.2.1 Global Embedded Non-Volatile Memory (ENVM) Annual Sales by Country/Region (2020-2025)

4.2.2 Global Embedded Non-Volatile Memory (ENVM) Annual Revenue by Country/Region (2020-2025)

4.3 Americas Embedded Non-Volatile Memory (ENVM) Sales Growth

4.4 APAC Embedded Non-Volatile Memory (ENVM) Sales Growth

4.5 Europe Embedded Non-Volatile Memory (ENVM) Sales Growth

4.6 Middle East & Africa Embedded Non-Volatile Memory (ENVM) Sales Growth

5 AMERICAS

5.1 Americas Embedded Non-Volatile Memory (ENVM) Sales by Country

5.1.1 Americas Embedded Non-Volatile Memory (ENVM) Sales by Country (2020-2025)

5.1.2 Americas Embedded Non-Volatile Memory (ENVM) Revenue by Country (2020-2025)

5.2 Americas Embedded Non-Volatile Memory (ENVM) Sales by Type (2020-2025)

5.3 Americas Embedded Non-Volatile Memory (ENVM) Sales by Application (2020-2025)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Embedded Non-Volatile Memory (ENVM) Sales by Region

6.1.1 APAC Embedded Non-Volatile Memory (ENVM) Sales by Region (2020-2025)

6.1.2 APAC Embedded Non-Volatile Memory (ENVM) Revenue by Region (2020-2025)

6.2 APAC Embedded Non-Volatile Memory (ENVM) Sales by Type (2020-2025)

6.3 APAC Embedded Non-Volatile Memory (ENVM) Sales by Application (2020-2025)

6.4 China

- 6.5 Japan
- 6.6 South Korea
- 6.7 Southeast Asia
- 6.8 India
- 6.9 Australia
- 6.10 China Taiwan

7 EUROPE

- 7.1 Europe Embedded Non-Volatile Memory (ENVM) by Country
 - 7.1.1 Europe Embedded Non-Volatile Memory (ENVM) Sales by Country (2020-2025)
 - 7.1.2 Europe Embedded Non-Volatile Memory (ENVM) Revenue by Country (2020-2025)
- 7.2 Europe Embedded Non-Volatile Memory (ENVM) Sales by Type (2020-2025)
- 7.3 Europe Embedded Non-Volatile Memory (ENVM) Sales by Application (2020-2025)
- 7.4 Germany
- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

8 MIDDLE EAST & AFRICA

- 8.1 Middle East & Africa Embedded Non-Volatile Memory (ENVM) by Country
 - 8.1.1 Middle East & Africa Embedded Non-Volatile Memory (ENVM) Sales by Country (2020-2025)
 - 8.1.2 Middle East & Africa Embedded Non-Volatile Memory (ENVM) Revenue by Country (2020-2025)
- 8.2 Middle East & Africa Embedded Non-Volatile Memory (ENVM) Sales by Type (2020-2025)
- 8.3 Middle East & Africa Embedded Non-Volatile Memory (ENVM) Sales by Application (2020-2025)
- 8.4 Egypt
- 8.5 South Africa
- 8.6 Israel
- 8.7 Turkey
- 8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

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

10 MANUFACTURING COST STRUCTURE ANALYSIS

- 10.1 Raw Material and Suppliers
- 10.2 Manufacturing Cost Structure Analysis of Embedded Non-Volatile Memory (ENVM)
- 10.3 Manufacturing Process Analysis of Embedded Non-Volatile Memory (ENVM)
- 10.4 Industry Chain Structure of Embedded Non-Volatile Memory (ENVM)

11 MARKETING, DISTRIBUTORS AND CUSTOMER

- 11.1 Sales Channel
 - 11.1.1 Direct Channels
 - 11.1.2 Indirect Channels
- 11.2 Embedded Non-Volatile Memory (ENVM) Distributors
- 11.3 Embedded Non-Volatile Memory (ENVM) Customer

12 WORLD FORECAST REVIEW FOR EMBEDDED NON-VOLATILE MEMORY (ENVM) BY GEOGRAPHIC REGION

- 12.1 Global Embedded Non-Volatile Memory (ENVM) Market Size Forecast by Region
 - 12.1.1 Global Embedded Non-Volatile Memory (ENVM) Forecast by Region (2026-2031)
 - 12.1.2 Global Embedded Non-Volatile Memory (ENVM) Annual Revenue Forecast by Region (2026-2031)
- 12.2 Americas Forecast by Country (2026-2031)
- 12.3 APAC Forecast by Region (2026-2031)
- 12.4 Europe Forecast by Country (2026-2031)
- 12.5 Middle East & Africa Forecast by Country (2026-2031)
- 12.6 Global Embedded Non-Volatile Memory (ENVM) Forecast by Type (2026-2031)
- 12.7 Global Embedded Non-Volatile Memory (ENVM) Forecast by Application (2026-2031)

13 KEY PLAYERS ANALYSIS

- 13.1 TSMC

- 13.1.1 TSMC Company Information
- 13.1.2 TSMC Embedded Non-Volatile Memory (ENVM) Product Portfolios and Specifications
- 13.1.3 TSMC Embedded Non-Volatile Memory (ENVM) Sales, Revenue, Price and Gross Margin (2020-2025)
- 13.1.4 TSMC Main Business Overview
- 13.1.5 TSMC Latest Developments
- 13.2 GlobalFoundries
 - 13.2.1 GlobalFoundries Company Information
 - 13.2.2 GlobalFoundries Embedded Non-Volatile Memory (ENVM) Product Portfolios and Specifications
 - 13.2.3 GlobalFoundries Embedded Non-Volatile Memory (ENVM) Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.2.4 GlobalFoundries Main Business Overview
 - 13.2.5 GlobalFoundries Latest Developments
- 13.3 UMC (Incl. Fujitsu)
 - 13.3.1 UMC (Incl. Fujitsu) Company Information
 - 13.3.2 UMC (Incl. Fujitsu) Embedded Non-Volatile Memory (ENVM) Product Portfolios and Specifications
 - 13.3.3 UMC (Incl. Fujitsu) Embedded Non-Volatile Memory (ENVM) Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.3.4 UMC (Incl. Fujitsu) Main Business Overview
 - 13.3.5 UMC (Incl. Fujitsu) Latest Developments
- 13.4 SMIC
 - 13.4.1 SMIC Company Information
 - 13.4.2 SMIC Embedded Non-Volatile Memory (ENVM) Product Portfolios and Specifications
 - 13.4.3 SMIC Embedded Non-Volatile Memory (ENVM) Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.4.4 SMIC Main Business Overview
 - 13.4.5 SMIC Latest Developments
- 13.5 Samsung
 - 13.5.1 Samsung Company Information
 - 13.5.2 Samsung Embedded Non-Volatile Memory (ENVM) Product Portfolios and Specifications
 - 13.5.3 Samsung Embedded Non-Volatile Memory (ENVM) Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.5.4 Samsung Main Business Overview
 - 13.5.5 Samsung Latest Developments

13.6 HHGrace

13.6.1 HHGrace Company Information

13.6.2 HHGrace Embedded Non-Volatile Memory (ENVM) Product Portfolios and Specifications

13.6.3 HHGrace Embedded Non-Volatile Memory (ENVM) Sales, Revenue, Price and Gross Margin (2020-2025)

13.6.4 HHGrace Main Business Overview

13.6.5 HHGrace Latest Developments

13.7 TowerJazz

13.7.1 TowerJazz Company Information

13.7.2 TowerJazz Embedded Non-Volatile Memory (ENVM) Product Portfolios and Specifications

13.7.3 TowerJazz Embedded Non-Volatile Memory (ENVM) Sales, Revenue, Price and Gross Margin (2020-2025)

13.7.4 TowerJazz Main Business Overview

13.7.5 TowerJazz Latest Developments

13.8 Microchip Technology

13.8.1 Microchip Technology Company Information

13.8.2 Microchip Technology Embedded Non-Volatile Memory (ENVM) Product Portfolios and Specifications

13.8.3 Microchip Technology Embedded Non-Volatile Memory (ENVM) Sales, Revenue, Price and Gross Margin (2020-2025)

13.8.4 Microchip Technology Main Business Overview

13.8.5 Microchip Technology Latest Developments

13.9 TI

13.9.1 TI Company Information

13.9.2 TI Embedded Non-Volatile Memory (ENVM) Product Portfolios and Specifications

13.9.3 TI Embedded Non-Volatile Memory (ENVM) Sales, Revenue, Price and Gross Margin (2020-2025)

13.9.4 TI Main Business Overview

13.9.5 TI Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

LIST OF TABLES

Table 1. Embedded Non-Volatile Memory (ENVM) Annual Sales CAGR by Geographic

Global Embedded Non-Volatile Memory (ENVM) Market Growth 2025-2031

Region (2020, 2024 & 2031) & (\$ millions)

Table 2. Embedded Non-Volatile Memory (ENVM) Annual Sales CAGR by Country/Region (2020, 2024 & 2031) & (\$ millions)

Table 3. Major Players of eFlash

Table 4. Major Players of eE2PROM

Table 5. Major Players of eOTP/eMTP

Table 6. Major Players of eFRAM

Table 7. Major Players of eMRAM

Table 8. Major Players of Others

Table 9. Global Embedded Non-Volatile Memory (ENVM) Sales byType (2020-2025) & (M Units)

Table 10. Global Embedded Non-Volatile Memory (ENVM) Sales Market Share byType (2020-2025)

Table 11. Global Embedded Non-Volatile Memory (ENVM) Revenue byType (2020-2025) & (\$ million)

Table 12. Global Embedded Non-Volatile Memory (ENVM) Revenue Market Share byType (2020-2025)

Table 13. Global Embedded Non-Volatile Memory (ENVM) Sale Price byType (2020-2025) & (US\$/Unit)

Table 14. Global Embedded Non-Volatile Memory (ENVM) Sale by Application (2020-2025) & (M Units)

Table 15. Global Embedded Non-Volatile Memory (ENVM) Sale Market Share by Application (2020-2025)

Table 16. Global Embedded Non-Volatile Memory (ENVM) Revenue by Application (2020-2025) & (\$ million)

Table 17. Global Embedded Non-Volatile Memory (ENVM) Revenue Market Share by Application (2020-2025)

Table 18. Global Embedded Non-Volatile Memory (ENVM) Sale Price by Application (2020-2025) & (US\$/Unit)

Table 19. Global Embedded Non-Volatile Memory (ENVM) Sales by Company (2020-2025) & (M Units)

Table 20. Global Embedded Non-Volatile Memory (ENVM) Sales Market Share by Company (2020-2025)

Table 21. Global Embedded Non-Volatile Memory (ENVM) Revenue by Company (2020-2025) & (\$ millions)

Table 22. Global Embedded Non-Volatile Memory (ENVM) Revenue Market Share by Company (2020-2025)

Table 23. Global Embedded Non-Volatile Memory (ENVM) Sale Price by Company (2020-2025) & (US\$/Unit)

Table 24. Key Manufacturers Embedded Non-Volatile Memory (ENVM) Producing Area Distribution and Sales Area
Table 25. Players Embedded Non-Volatile Memory (ENVM) Products Offered
Table 26. Embedded Non-Volatile Memory (ENVM) Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)
Table 27. New Products and Potential Entrants
Table 28. Market M&A Activity & Strategy
Table 29. Global Embedded Non-Volatile Memory (ENVM) Sales by Geographic Region (2020-2025) & (M Units)
Table 30. Global Embedded Non-Volatile Memory (ENVM) Sales Market Share Geographic Region (2020-2025)
Table 31. Global Embedded Non-Volatile Memory (ENVM) Revenue by Geographic Region (2020-2025) & (\$ millions)
Table 32. Global Embedded Non-Volatile Memory (ENVM) Revenue Market Share by Geographic Region (2020-2025)
Table 33. Global Embedded Non-Volatile Memory (ENVM) Sales by Country/Region (2020-2025) & (M Units)
Table 34. Global Embedded Non-Volatile Memory (ENVM) Sales Market Share by Country/Region (2020-2025)
Table 35. Global Embedded Non-Volatile Memory (ENVM) Revenue by Country/Region (2020-2025) & (\$ millions)
Table 36. Global Embedded Non-Volatile Memory (ENVM) Revenue Market Share by Country/Region (2020-2025)
Table 37. Americas Embedded Non-Volatile Memory (ENVM) Sales by Country (2020-2025) & (M Units)
Table 38. Americas Embedded Non-Volatile Memory (ENVM) Sales Market Share by Country (2020-2025)
Table 39. Americas Embedded Non-Volatile Memory (ENVM) Revenue by Country (2020-2025) & (\$ millions)
Table 40. Americas Embedded Non-Volatile Memory (ENVM) Sales byType (2020-2025) & (M Units)
Table 41. Americas Embedded Non-Volatile Memory (ENVM) Sales by Application (2020-2025) & (M Units)
Table 42. APAC Embedded Non-Volatile Memory (ENVM) Sales by Region (2020-2025) & (M Units)
Table 43. APAC Embedded Non-Volatile Memory (ENVM) Sales Market Share by Region (2020-2025)
Table 44. APAC Embedded Non-Volatile Memory (ENVM) Revenue by Region (2020-2025) & (\$ millions)

Table 45. APAC Embedded Non-Volatile Memory (ENVM) Sales byType (2020-2025) & (M Units)

Table 46. APAC Embedded Non-Volatile Memory (ENVM) Sales by Application (2020-2025) & (M Units)

Table 47. Europe Embedded Non-Volatile Memory (ENVM) Sales by Country (2020-2025) & (M Units)

Table 48. Europe Embedded Non-Volatile Memory (ENVM) Revenue by Country (2020-2025) & (\$ millions)

Table 49. Europe Embedded Non-Volatile Memory (ENVM) Sales byType (2020-2025) & (M Units)

Table 50. Europe Embedded Non-Volatile Memory (ENVM) Sales by Application (2020-2025) & (M Units)

Table 51. Middle East & Africa Embedded Non-Volatile Memory (ENVM) Sales by Country (2020-2025) & (M Units)

Table 52. Middle East & Africa Embedded Non-Volatile Memory (ENVM) Revenue Market Share by Country (2020-2025)

Table 53. Middle East & Africa Embedded Non-Volatile Memory (ENVM) Sales byType (2020-2025) & (M Units)

Table 54. Middle East & Africa Embedded Non-Volatile Memory (ENVM) Sales by Application (2020-2025) & (M Units)

Table 55. Key Market Drivers & Growth Opportunities of Embedded Non-Volatile Memory (ENVM)

Table 56. Key Market Challenges & Risks of Embedded Non-Volatile Memory (ENVM)

Table 57. Key IndustryTrends of Embedded Non-Volatile Memory (ENVM)

Table 58. Embedded Non-Volatile Memory (ENVM) Raw Material

Table 59. Key Suppliers of Raw Materials

Table 60. Embedded Non-Volatile Memory (ENVM) Distributors List

Table 61. Embedded Non-Volatile Memory (ENVM) Customer List

Table 62. Global Embedded Non-Volatile Memory (ENVM) SalesForecast by Region (2026-2031) & (M Units)

Table 63. Global Embedded Non-Volatile Memory (ENVM) RevenueForecast by Region (2026-2031) & (\$ millions)

Table 64. Americas Embedded Non-Volatile Memory (ENVM) SalesForecast by Country (2026-2031) & (M Units)

Table 65. Americas Embedded Non-Volatile Memory (ENVM) Annual RevenueForecast by Country (2026-2031) & (\$ millions)

Table 66. APAC Embedded Non-Volatile Memory (ENVM) SalesForecast by Region (2026-2031) & (M Units)

Table 67. APAC Embedded Non-Volatile Memory (ENVM) Annual RevenueForecast by

Region (2026-2031) & (\$ millions)

Table 68. Europe Embedded Non-Volatile Memory (ENVM) SalesForecast by Country (2026-2031) & (M Units)

Table 69. Europe Embedded Non-Volatile Memory (ENVM) RevenueForecast by Country (2026-2031) & (\$ millions)

Table 70. Middle East & Africa Embedded Non-Volatile Memory (ENVM) SalesForecast by Country (2026-2031) & (M Units)

Table 71. Middle East & Africa Embedded Non-Volatile Memory (ENVM) RevenueForecast by Country (2026-2031) & (\$ millions)

Table 72. Global Embedded Non-Volatile Memory (ENVM) SalesForecast byType (2026-2031) & (M Units)

Table 73. Global Embedded Non-Volatile Memory (ENVM) RevenueForecast byType (2026-2031) & (\$ millions)

Table 74. Global Embedded Non-Volatile Memory (ENVM) SalesForecast by Application (2026-2031) & (M Units)

Table 75. Global Embedded Non-Volatile Memory (ENVM) RevenueForecast by Application (2026-2031) & (\$ millions)

Table 76.TSMC Basic Information, Embedded Non-Volatile Memory (ENVM) Manufacturing Base, Sales Area and Its Competitors

Table 77.TSMC Embedded Non-Volatile Memory (ENVM) Product Portfolios and Specifications

Table 78.TSMC Embedded Non-Volatile Memory (ENVM) Sales (M Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 79.TSMC Main Business

Table 80.TSMC Latest Developments

Table 81. GlobalFoundries Basic Information, Embedded Non-Volatile Memory (ENVM) Manufacturing Base, Sales Area and Its Competitors

Table 82. GlobalFoundries Embedded Non-Volatile Memory (ENVM) Product Portfolios and Specifications

Table 83. GlobalFoundries Embedded Non-Volatile Memory (ENVM) Sales (M Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 84. GlobalFoundries Main Business

Table 85. GlobalFoundries Latest Developments

Table 86. UMC (Incl.Fujitsu) Basic Information, Embedded Non-Volatile Memory (ENVM) Manufacturing Base, Sales Area and Its Competitors

Table 87. UMC (Incl.Fujitsu) Embedded Non-Volatile Memory (ENVM) Product Portfolios and Specifications

Table 88. UMC (Incl.Fujitsu) Embedded Non-Volatile Memory (ENVM) Sales (M Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 89. UMC (Incl.Fujitsu) Main Business
Table 90. UMC (Incl.Fujitsu) Latest Developments
Table 91. SMIC Basic Information, Embedded Non-Volatile Memory (ENVM) Manufacturing Base, Sales Area and Its Competitors
Table 92. SMIC Embedded Non-Volatile Memory (ENVM) Product Portfolios and Specifications
Table 93. SMIC Embedded Non-Volatile Memory (ENVM) Sales (M Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)
Table 94. SMIC Main Business
Table 95. SMIC Latest Developments
Table 96. Samsung Basic Information, Embedded Non-Volatile Memory (ENVM) Manufacturing Base, Sales Area and Its Competitors
Table 97. Samsung Embedded Non-Volatile Memory (ENVM) Product Portfolios and Specifications
Table 98. Samsung Embedded Non-Volatile Memory (ENVM) Sales (M Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)
Table 99. Samsung Main Business
Table 100. Samsung Latest Developments
Table 101. HHGrace Basic Information, Embedded Non-Volatile Memory (ENVM) Manufacturing Base, Sales Area and Its Competitors
Table 102. HHGrace Embedded Non-Volatile Memory (ENVM) Product Portfolios and Specifications
Table 103. HHGrace Embedded Non-Volatile Memory (ENVM) Sales (M Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)
Table 104. HHGrace Main Business
Table 105. HHGrace Latest Developments
Table 106. TowerJazz Basic Information, Embedded Non-Volatile Memory (ENVM) Manufacturing Base, Sales Area and Its Competitors
Table 107. TowerJazz Embedded Non-Volatile Memory (ENVM) Product Portfolios and Specifications
Table 108. TowerJazz Embedded Non-Volatile Memory (ENVM) Sales (M Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)
Table 109. TowerJazz Main Business
Table 110. TowerJazz Latest Developments
Table 111. MicrochipTechnology Basic Information, Embedded Non-Volatile Memory (ENVM) Manufacturing Base, Sales Area and Its Competitors
Table 112. MicrochipTechnology Embedded Non-Volatile Memory (ENVM) Product Portfolios and Specifications
Table 113. MicrochipTechnology Embedded Non-Volatile Memory (ENVM) Sales (M

Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 114. MicrochipTechnology Main Business

Table 115. MicrochipTechnology Latest Developments

Table 116.TI Basic Information, Embedded Non-Volatile Memory (ENVM)

Manufacturing Base, Sales Area and Its Competitors

Table 117.TI Embedded Non-Volatile Memory (ENVM) Product Portfolios and Specifications

Table 118.TI Embedded Non-Volatile Memory (ENVM) Sales (M Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 119.TI Main Business

Table 120.TI Latest Developments

LIST OFFIGURES

Figure 1. Picture of Embedded Non-Volatile Memory (ENVM)

Figure 2. Embedded Non-Volatile Memory (ENVM) Report Years Considered

Figure 3. Research Objectives

Figure 4. Research Methodology

Figure 5. Research Process and Data Source

Figure 6. Global Embedded Non-Volatile Memory (ENVM) Sales Growth Rate 2020-2031 (M Units)

Figure 7. Global Embedded Non-Volatile Memory (ENVM) Revenue Growth Rate 2020-2031 (\$ millions)

Figure 8. Embedded Non-Volatile Memory (ENVM) Sales by Geographic Region (2020, 2024 & 2031) & (\$ millions)

Figure 9. Embedded Non-Volatile Memory (ENVM) Sales Market Share by Country/Region (2024)

Figure 10. Embedded Non-Volatile Memory (ENVM) Sales Market Share by Country/Region (2020, 2024 & 2031)

Figure 11. Product Picture of eFlash

Figure 12. Product Picture of eE2PROM

Figure 13. Product Picture of eOTP/eMTP

Figure 14. Product Picture of eFRAM

Figure 15. Product Picture of eMRAM

Figure 16. Product Picture of Others

Figure 17. Global Embedded Non-Volatile Memory (ENVM) Sales Market Share byType in 2025

Figure 18. Global Embedded Non-Volatile Memory (ENVM) Revenue Market Share byType (2020-2025)

Figure 19. Embedded Non-Volatile Memory (ENVM) Consumed in Consumer Electronics

Figure 20. Global Embedded Non-Volatile Memory (ENVM) Market: Consumer Electronics (2020-2025) & (M Units)

Figure 21. Embedded Non-Volatile Memory (ENVM) Consumed in IoT

Figure 22. Global Embedded Non-Volatile Memory (ENVM) Market: IoT (2020-2025) & (M Units)

Figure 23. Embedded Non-Volatile Memory (ENVM) Consumed inTelecommunications

Figure 24. Global Embedded Non-Volatile Memory (ENVM) Market:Telecommunications (2020-2025) & (M Units)

Figure 25. Embedded Non-Volatile Memory (ENVM) Consumed in Automotive

Figure 26. Global Embedded Non-Volatile Memory (ENVM) Market: Automotive (2020-2025) & (M Units)

Figure 27. Embedded Non-Volatile Memory (ENVM) Consumed in Others

Figure 28. Global Embedded Non-Volatile Memory (ENVM) Market: Others (2020-2025) & (M Units)

Figure 29. Global Embedded Non-Volatile Memory (ENVM) Sale Market Share by Application (2024)

Figure 30. Global Embedded Non-Volatile Memory (ENVM) Revenue Market Share by Application in 2025

Figure 31. Embedded Non-Volatile Memory (ENVM) Sales by Company in 2025 (M Units)

Figure 32. Global Embedded Non-Volatile Memory (ENVM) Sales Market Share by Company in 2025

Figure 33. Embedded Non-Volatile Memory (ENVM) Revenue by Company in 2025 (\$ millions)

Figure 34. Global Embedded Non-Volatile Memory (ENVM) Revenue Market Share by Company in 2025

Figure 35. Global Embedded Non-Volatile Memory (ENVM) Sales Market Share by Geographic Region (2020-2025)

Figure 36. Global Embedded Non-Volatile Memory (ENVM) Revenue Market Share by Geographic Region in 2025

Figure 37. Americas Embedded Non-Volatile Memory (ENVM) Sales 2020-2025 (M Units)

Figure 38. Americas Embedded Non-Volatile Memory (ENVM) Revenue 2020-2025 (\$ millions)

Figure 39. APAC Embedded Non-Volatile Memory (ENVM) Sales 2020-2025 (M Units)

Figure 40. APAC Embedded Non-Volatile Memory (ENVM) Revenue 2020-2025 (\$ millions)

Figure 41. Europe Embedded Non-Volatile Memory (ENVM) Sales 2020-2025 (M Units)

Figure 42. Europe Embedded Non-Volatile Memory (ENVM) Revenue 2020-2025 (\$ millions)

Figure 43. Middle East & Africa Embedded Non-Volatile Memory (ENVM) Sales 2020-2025 (M Units)

Figure 44. Middle East & Africa Embedded Non-Volatile Memory (ENVM) Revenue 2020-2025 (\$ millions)

Figure 45. Americas Embedded Non-Volatile Memory (ENVM) Sales Market Share by Country in 2025

Figure 46. Americas Embedded Non-Volatile Memory (ENVM) Revenue Market Share by Country (2020-2025)

Figure 47. Americas Embedded Non-Volatile Memory (ENVM) Sales Market Share by Type (2020-2025)

Figure 48. Americas Embedded Non-Volatile Memory (ENVM) Sales Market Share by Application (2020-2025)

Figure 49. United States Embedded Non-Volatile Memory (ENVM) Revenue Growth 2020-2025 (\$ millions)

Figure 50. Canada Embedded Non-Volatile Memory (ENVM) Revenue Growth 2020-2025 (\$ millions)

Figure 51. Mexico Embedded Non-Volatile Memory (ENVM) Revenue Growth 2020-2025 (\$ millions)

Figure 52. Brazil Embedded Non-Volatile Memory (ENVM) Revenue Growth 2020-2025 (\$ millions)

Figure 53. APAC Embedded Non-Volatile Memory (ENVM) Sales Market Share by Region in 2025

Figure 54. APAC Embedded Non-Volatile Memory (ENVM) Revenue Market Share by Region (2020-2025)

Figure 55. APAC Embedded Non-Volatile Memory (ENVM) Sales Market Share by Type (2020-2025)

Figure 56. APAC Embedded Non-Volatile Memory (ENVM) Sales Market Share by Application (2020-2025)

Figure 57. China Embedded Non-Volatile Memory (ENVM) Revenue Growth 2020-2025 (\$ millions)

Figure 58. Japan Embedded Non-Volatile Memory (ENVM) Revenue Growth 2020-2025 (\$ millions)

Figure 59. South Korea Embedded Non-Volatile Memory (ENVM) Revenue Growth 2020-2025 (\$ millions)

Figure 60. Southeast Asia Embedded Non-Volatile Memory (ENVM) Revenue Growth 2020-2025 (\$ millions)

Figure 61. India Embedded Non-Volatile Memory (ENVM) Revenue Growth 2020-2025 (\$ millions)

Figure 62. Australia Embedded Non-Volatile Memory (ENVM) Revenue Growth 2020-2025 (\$ millions)

Figure 63. ChinaTaiwan Embedded Non-Volatile Memory (ENVM) Revenue Growth 2020-2025 (\$ millions)

Figure 64. Europe Embedded Non-Volatile Memory (ENVM) Sales Market Share by Country in 2025

Figure 65. Europe Embedded Non-Volatile Memory (ENVM) Revenue Market Share by Country (2020-2025)

Figure 66. Europe Embedded Non-Volatile Memory (ENVM) Sales Market Share byType (2020-2025)

Figure 67. Europe Embedded Non-Volatile Memory (ENVM) Sales Market Share by Application (2020-2025)

Figure 68. Germany Embedded Non-Volatile Memory (ENVM) Revenue Growth 2020-2025 (\$ millions)

Figure 69. France Embedded Non-Volatile Memory (ENVM) Revenue Growth 2020-2025 (\$ millions)

Figure 70. UK Embedded Non-Volatile Memory (ENVM) Revenue Growth 2020-2025 (\$ millions)

Figure 71. Italy Embedded Non-Volatile Memory (ENVM) Revenue Growth 2020-2025 (\$ millions)

Figure 72. Russia Embedded Non-Volatile Memory (ENVM) Revenue Growth 2020-2025 (\$ millions)

Figure 73. Middle East & Africa Embedded Non-Volatile Memory (ENVM) Sales Market Share by Country (2020-2025)

Figure 74. Middle East & Africa Embedded Non-Volatile Memory (ENVM) Sales Market Share byType (2020-2025)

Figure 75. Middle East & Africa Embedded Non-Volatile Memory (ENVM) Sales Market Share by Application (2020-2025)

Figure 76. Egypt Embedded Non-Volatile Memory (ENVM) Revenue Growth 2020-2025 (\$ millions)

Figure 77. South Africa Embedded Non-Volatile Memory (ENVM) Revenue Growth 2020-2025 (\$ millions)

Figure 78. Israel Embedded Non-Volatile Memory (ENVM) Revenue Growth 2020-2025 (\$ millions)

Figure 79. Turkey Embedded Non-Volatile Memory (ENVM) Revenue Growth 2020-2025

(\$ millions)

Figure 80. GCC Countries Embedded Non-Volatile Memory (ENVM) Revenue Growth 2020-2025 (\$ millions)

Figure 81. Manufacturing Cost Structure Analysis of Embedded Non-Volatile Memory (ENVM) in 2025

Figure 82. Manufacturing Process Analysis of Embedded Non-Volatile Memory (ENVM)

Figure 83. Industry Chain Structure of Embedded Non-Volatile Memory (ENVM)

Figure 84. Channels of Distribution

Figure 85. Global Embedded Non-Volatile Memory (ENVM) Sales MarketForecast by Region (2026-2031)

Figure 86. Global Embedded Non-Volatile Memory (ENVM) Revenue Market ShareForecast by Region (2026-2031)

Figure 87. Global Embedded Non-Volatile Memory (ENVM) Sales Market ShareForecast byType (2026-2031)

Figure 88. Global Embedded Non-Volatile Memory (ENVM) Revenue Market ShareForecast byType (2026-2031)

Figure 89. Global Embedded Non-Volatile Memory (ENVM) Sales Market ShareForecast by Application (2026-2031)

Figure 90. Global Embedded Non-Volatile Memory (ENVM) Revenue Market ShareForecast by Application (2026-2031)

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