

Global Embedded Non-Volatile Memory (ENVM) Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Embedded Non-Volatile Memory (ENVM) market size was valued at US\$ 10980 million in 2024 and is forecast to a readjusted size of USD 31080 million by 2031 with a CAGR of 16.2% during review period.

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.

This report is a detailed and comprehensive analysis for global Embedded Non-Volatile Memory (ENVM) market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Embedded Non-Volatile Memory (ENVM) market size and forecasts, in consumption value (\$ Million), sales quantity (M Units), and average selling prices (US\$/Unit), 2020-2031

Global Embedded Non-Volatile Memory (ENVM) market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (M Units), and average selling prices (US\$/Unit), 2020-2031

Global Embedded Non-Volatile Memory (ENVM) market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (M Units), and average selling prices (US\$/Unit), 2020-2031

Global Embedded Non-Volatile Memory (ENVM) market shares of main players, shipments in revenue (\$ Million), sales quantity (M Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Embedded Non-Volatile Memory (ENVM)
- To forecast future growth in each product and end-use market
- To forecast future factors affecting the marketplace

This report profiles key players in the global Embedded Non-Volatile Memory (ENVM) market based on the following parameters - company overview, sales quantity, revenue,

price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include TSMC, GlobalFoundries, UMC (Incl. Fujitsu), SMIC, Samsung, HHGrace, TowerJazz, Microchip Technology, TI, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Embedded Non-Volatile Memory (ENVM) market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

eFlash

eE2PROM

eOTP/eMTP

eFRAM

eMRAM

Others

Market segment by Application

Consumer Electronics

IoT

Telecommunications

Automotive

Others

Major players covered

TSMC

GlobalFoundries

UMC (Incl. Fujitsu)

SMIC

Samsung

HHGrace

TowerJazz

Microchip Technology

TI

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Embedded Non-Volatile Memory (ENVM) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Embedded Non-Volatile Memory (ENVM),

with price, sales quantity, revenue, and global market share of Embedded Non-Volatile Memory (ENVM) from 2020 to 2025.

Chapter 3, the Embedded Non-Volatile Memory (ENVM) competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Embedded Non-Volatile Memory (ENVM) breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Embedded Non-Volatile Memory (ENVM) market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Embedded Non-Volatile Memory (ENVM).

Chapter 14 and 15, to describe Embedded Non-Volatile Memory (ENVM) sales channel, distributors, customers, research findings and conclusion.

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