

# **Europe Next Generation Non Volatile Memory Market Size study, by Product (FeRAM, PCM, MRAM, ReRAM) by Application (Mobile Phones, Cache Memory & Enterprise Storage, Industrial & Automotive, Mass Storage, Embedded MCU & Smart Cards) and Country Forecasts 2022-2032**

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## **Abstracts**

Europe Next Generation Non Volatile Memory Market is valued approximately USD 820 million in 2023 and is anticipated to grow with a healthy growth rate of more than 17.50% over the forecast period 2024-2032. Next-generation non-volatile memory (NVM) refers to advanced memory technologies that can hold onto information even when a device loses power. NVM acts such as a blend of RAM and storage, offering fast access and persistent storage capability unlike traditional RAM, which forgets data when powered down. The rise in adoption of persistent memory in enterprise applications is a key trend that is supporting the growth of the Europe Next Generation Non Volatile Memory Market. Enterprises in Europe are increasingly adopting persistent memory solutions, such as Intel's Optane DC Persistent Memory, to improve data center performance, reduce latency, and enhance scalability. These solutions are being deployed in a wide range of enterprise applications including databases, virtualization, and in-memory computing.

The Europe Next Generation Non-Volatile Memory (NVM) market is driven by a strong focus on data privacy and security, growing cloud computing and data center expansion, and the rise of AI and edge computing applications. Technological advancements in semiconductor manufacturing and a commitment to sustainability and energy efficiency further boost demand. Government support and initiatives, along with increased need for high-performance computing in various sectors, also contribute to

the robust growth and adoption of NVM technologies in the region. The European Union (EU) and national governments in Europe prioritize research and development (R&D) in advanced technologies. Funding initiatives and research programs that accelerate the development and adoption of next-generation NVM within Europe. Moreover, the rapid expansion of cloud services and data centers across Europe drives the need for high-performance, low-latency NVM solutions to handle increasing data storage and processing demands. However, the market growth is expected to be hindered throughout the projected period of 2024–2032 due to high development costs, lack of standardization, and integration challenges with existing memory controllers and computer architectures.

The key countries considered for the Europe Next Generation Non Volatile Memory Market study includes UK, Germany, France, Italy, Spain, and Rest of Europe. In 2023, Germany was the largest market in terms of revenue owing to the growth of Industry 4.0 and IoT, expansion of data centers and cloud computing, advancements in consumer electronics. The growing use of artificial intelligence (AI) and machine learning in various industries is increasing the need for high-performance memory solutions. Next-generation non-volatile memory provides the speed and reliability required for processing large datasets and executing complex algorithms efficiently. Whereas, the market in UK is expected to develop at the fastest rate over the forecast period of 2024-2032.

Major market player included in this report are:

Infineon Technologies AG

STMicroelectronics

IBM Corporation

Company 4

Company 5

Company 6

Company 7

Company 8

Company 9

Company 10

The detailed segments and sub-segment of the market are explained below:

By Product

FeRAM

PCM

MRAM

ReRAM

By Application

Mobile Phones

Cache Memory & Enterprise Storage

Industrial & Automotive

Mass Storage

Embedded MCU & Smart Cards

By Region:

Europe

UK

Germany

France

Spain

Italy

ROE

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and Country level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market

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