+44 20 8123 2220
info@marketpublishers.com

US 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) Forecasts 2022-2032

https://marketpublishers.com/r/U6F0272AD269EN.html
Date: July 2024
Pages: 200
Price: US$ 4,950.00 (Single User License)
ID: U6F0272AD269EN

Abstracts

US Next Generation Non Volatile Memory Market is valued at approximately USD 960 million in 2023 and is anticipated to grow with a healthy growth rate of more than 18.32% over the forecast period 2024-2032. Next Generation Non-Volatile Memory (NVM) encompasses memory technologies that preserve data integrity even after power shutdowns. Unlike volatile memory (e.g., RAM), which loses data without power, NVM retains information without needing continuous power. Examples include NAND flash memory, 3D XPoint, and MRAM. These technologies excel with faster access, greater density, and lower power needs than traditional storage (such as hard disk drives). They are pivotal in enhancing data storage for faster, more efficient, and reliable solutions across applications. The rise in advancements in memory technologies is a key trend that is supporting the growth of the US Next Generation Non Volatile Memory Market. The US is at the forefront of developing and commercializing advanced NVM technologies such as 3D XPoint, MRAM, ReRAM, and phase-change memory (PCM). These technologies offer advantages such as high speed, low power consumption, and non-volatility, driving their adoption in various applications from data centers to consumer electronics.

The US is a hub for cloud computing and data center operations. These facilities require high-performance, energy-efficient memory solutions to handle massive data workloads. Next-generation NVM offers faster data access times and lower power consumption

+44 20 8123 2220
info@marketpublishers.com

compared to traditional memory, making it ideal for these applications. The region is an early adopter of next-generation technologies and infrastructure, with the IT industry playing a significant role in driving the United States economy. Rapidly evolving technologies and high data generation across various industries necessitate more efficient processing systems, fueling the demand for next-generation memory solutions in the region. Also, there is a shift from individual devices and system storage to core cloud and network edge solutions. According to a survey by Intel Security, the number of companies adopting hybrid cloud services has tripled. Cloud providers are enhancing security and reliability, offering organizations better, more dependable systems, which is proving to be highly beneficial. The US has a well-established semiconductor industry with a strong track record of innovation. This fosters prospects for developing and commercializing next-generation NVM technologies domestically. The exponential growth of data generated by businesses and consumers is increasing the need for efficient and scalable storage solutions. Next-generation non-volatile memory offers high storage density and fast access times, addressing the growing data storage demands. However, high development costs, lack of standardization, and integration challenges with existing memory controllers and computer architectures are expected to hinder US Next Generation Non Volatile Memory Market growth during the projected period of 2024–2032.

Major market player included in this report are:
IBM Corporation
Adesto Technologies
Crossbar Inc
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

+44 20 8123 2220
info@marketpublishers.com

FeRAM
PCM
MRAM
ReRAM

By Application
Mobile Phones
Cache Memory & Enterprise Storage
Industrial & Automotive
Mass Storage
Embedded MCU & Smart Cards

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 of major regions.
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

+44 20 8123 2220
info@marketpublishers.com

Contents

CHAPTER 1. US NEXT GENERATION NON VOLATILE MEMORY MARKET DEFINITION AND RESEARCH ASSUMPTIONS

1.1. Research Objective
1.2. Market Definition
1.3. Research Assumptions
  1.3.1. Inclusion & Exclusion
  1.3.2. Limitations
  1.3.3. Supply Side Analysis
    1.3.3.1. Availability
    1.3.3.2. Infrastructure
    1.3.3.3. Regulatory Environment
    1.3.3.4. Market Competition
    1.3.3.5. Economic Viability (Consumer’s Perspective)
  1.3.4. Demand Side Analysis
    1.3.4.1. Regulatory frameworks
    1.3.4.2. Technological Advancements
    1.3.4.3. Environmental Considerations
    1.3.4.4. Consumer Awareness & Acceptance
1.4. Estimation Methodology
1.5. Years Considered for the Study
1.6. Currency Conversion Rates

CHAPTER 2. EXECUTIVE SUMMARY

2.1. US Next Generation Non Volatile Memory Market Size & Forecast (2022- 2032)
2.2. Segmental Summary
  2.2.1. By Product
  2.2.2. By Application
2.3. Key Trends
2.4. Recession Impact
2.5. Analyst Recommendation & Conclusion

CHAPTER 3. US NEXT GENERATION NON VOLATILE MEMORY MARKET DYNAMICS

3.1. Market Drivers

+44 20 8123 2220
info@marketpublishers.com

3.2. Market Challenges
3.3. Market Opportunities

CHAPTER 4. US NEXT GENERATION 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
  4.1.6. Futuristic Approach to Porter’s 5 Force Model
  4.1.7. Porter’s 5 Force Impact Analysis
4.2. PESTEL Analysis
  4.2.1. Political
  4.2.2. Economical
  4.2.3. Social
  4.2.4. Technological
  4.2.5. Environmental
  4.2.6. Legal
4.3. Top investment opportunity
4.4. Top winning strategies
4.5. Disruptive Trends
4.6. Industry Expert Perspective
4.7. Analyst Recommendation & Conclusion

CHAPTER 5. US NEXT GENERATION NON VOLATILE MEMORY MARKET SIZE & FORECASTS BY PRODUCT 2022-2032

5.1. FeRAM
5.2. PCM
5.3. MRAM
5.4. ReRAM

CHAPTER 6. US NEXT GENERATION NON VOLATILE MEMORY MARKET SIZE & FORECASTS BY APPLICATION 2022-2032

6.1. Mobile Phones

+44 20 8123 2220
info@marketpublishers.com

6.2. Cache Memory & Enterprise Storage
6.3. Industrial & Automotive
6.4. Mass Storage
6.5. Embedded MCU & Smart Cards

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. IBM Corporation
    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. Market Strategies
  7.3.2. Adesto Technologies
  7.3.3. Crossbar Inc
  7.3.4. Company
  7.3.5. Company
  7.3.6. Company
  7.3.7. Company
  7.3.8. Company
  7.3.9. Company
  7.3.10. Company

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

+44 20 8123 2220
info@marketpublishers.com

List Of Tables

LIST OF TABLES

TABLE 1. US Next Generation Non Volatile Memory Market, report scope
TABLE 2. US Next Generation Non Volatile Memory Market estimates & forecasts by Product 2022-2032 (USD Million)
TABLE 3. US Next Generation Non Volatile Memory Market estimates & forecasts by Application 2022-2032 (USD Million)
TABLE 4. US Next Generation Non Volatile Memory Market by segment, estimates & forecasts, 2022-2032 (USD Million)
TABLE 5. US Next Generation Non Volatile Memory Market by segment, estimates & forecasts, 2022-2032 (USD Million)
TABLE 6. US Next Generation Non Volatile Memory Market by segment, estimates & forecasts, 2022-2032 (USD Million)
TABLE 7. US Next Generation Non Volatile Memory Market by segment, estimates & forecasts, 2022-2032 (USD Million)
TABLE 8. US Next Generation Non Volatile Memory Market by segment, estimates & forecasts, 2022-2032 (USD Million)
TABLE 9. U.S. Next Generation Non Volatile Memory Market estimates & forecasts, 2022-2032 (USD Million)
TABLE 10. U.S. Next Generation Non Volatile Memory Market estimates & forecasts by segment 2022-2032 (USD Million)
TABLE 11. U.S. Next Generation Non Volatile Memory Market estimates & forecasts by segment 2022-2032 (USD Million)
TABLE 12. List of secondary sources, used in the study of US Next Generation Non Volatile Memory Market.
TABLE 13. List of primary sources, used in the study of US Next Generation Non Volatile Memory Market.
TABLE 14. Years considered for the study.
TABLE 15. Exchange rates considered

+44 20 8123 2220
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

FIG 1. US Next Generation Non Volatile Memory Market, research methodology
FIG 2. US Next Generation Non Volatile Memory Market, market estimation techniques
FIG 3. US market size estimates & forecast methods.
FIG 4. US Next Generation Non Volatile Memory Market, key trends 2023
FIG 5. US Next Generation Non Volatile Memory Market, growth prospects 2022-2032
FIG 6. US Next Generation Non Volatile Memory Market, porters 5 force model
FIG 7. US Next Generation Non Volatile Memory Market, pestel analysis
FIG 8. US Next Generation Non Volatile Memory Market, value chain analysis
FIG 9. US Next Generation Non Volatile Memory Market by segment, 2022 & 2032 (USD Million)
FIG 10. US Next Generation Non Volatile Memory Market by segment, 2022 & 2032 (USD Million)
FIG 11. US Next Generation Non Volatile Memory Market by segment, 2022 & 2032 (USD Million)
FIG 12. US Next Generation Non Volatile Memory Market by segment, 2022 & 2032 (USD Million)
FIG 13. US Next Generation Non Volatile Memory Market by segment, 2022 & 2032 (USD Million)
FIG 14. US Next Generation Non Volatile Memory Market, company market share analysis (2023)

+44 20 8123 2220
info@marketpublishers.com

I would like to order

Product name: US 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) Forecasts 2022-2032

Product link: https://marketpublishers.com/r/U6F0272AD269EN.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/U6F0272AD269EN.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

Custumer signature _____

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

+44 20 8123 2220
info@marketpublishers.com

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