

Global Embedded Non-volatile Flash Memory Supply, Demand and Key Producers, 2023-2029

<https://marketpublishers.com/r/G54DE476F535EN.html>

Date: August 2023

Pages: 122

Price: US\$ 4,480.00 (Single User License)

ID: G54DE476F535EN

Abstracts

The global Embedded Non-volatile Flash Memory market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

Embedded nonvolatile flash memory is a type of nonvolatile memory integrated on microcontrollers or system chips. Unlike traditional volatile memory (such as RAM), non volatile memory can retain data after a power outage or restart. ENVM is widely used in many electronic devices and systems, including but not limited to: firmware storage: eNVM is typically used to store device firmware, such as startup code, boot loader, and initial configuration of the operating system. Parameter storage: In some applications, devices need to store some configuration parameters or calibration data, and eNVM provides a reliable storage solution. Encryption key storage: Devices with high security requirements may use eNVM to store encryption keys and certificates to prevent unauthorized access. Data logging: Some devices need to temporarily store data in non volatile memory so that important log information is not lost after a power outage. Code storage: In some specific applications, due to special requirements, code may need to be stored in eNVM to achieve higher execution speed or other performance advantages. ENVM has several different technical implementations, including flash memory, EEPROM (Electrically Erasable Programmable Read Only Memory), and FRAM (Non volatile RAM). Each technology has its advantages and limitations, and it is important to choose the appropriate eNVM type based on specific application requirements and performance requirements.

This report studies the global Embedded Non-volatile Flash Memory production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Embedded Non-volatile Flash Memory, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Embedded Non-volatile Flash Memory that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Embedded Non-volatile Flash Memory total production and demand, 2018-2029, (K Units)

Global Embedded Non-volatile Flash Memory total production value, 2018-2029, (USD Million)

Global Embedded Non-volatile Flash Memory production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Embedded Non-volatile Flash Memory consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Embedded Non-volatile Flash Memory domestic production, consumption, key domestic manufacturers and share

Global Embedded Non-volatile Flash Memory production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Embedded Non-volatile Flash Memory production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Embedded Non-volatile Flash Memory production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units).

This reports profiles key players in the global Embedded Non-volatile Flash Memory market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Samsung Electronics, Micron Technology, Toshiba Corporation, Intel Corporation, SK Hynix, Western Digital, Kingston Technology, SanDisk Corporation and Macronix International, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Embedded Non-volatile Flash Memory market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Embedded Non-volatile Flash Memory Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Embedded Non-volatile Flash Memory Market, Segmentation by Type

NOR Type Flash Memory

NAND Type Flash Memory

Global Embedded Non-volatile Flash Memory Market, Segmentation by Application

Automobile Industry

Consumer Electronics Industry

Communications Industry

Medical Industry

Automated Industry

Energy Industry

Security Industry

Others

Companies Profiled:

Samsung Electronics

Micron Technology

Toshiba Corporation

Intel Corporation

SK Hynix

Western Digital

Kingston Technology

SanDisk Corporation

Macronix International

Cypress Semiconductor

Silicon Motion Technology

Winbond Electronics

Greenliant Systems

Adesto Technologies

GigaDevice Semiconductor

Key Questions Answered

1. How big is the global Embedded Non-volatile Flash Memory market?
2. What is the demand of the global Embedded Non-volatile Flash Memory market?
3. What is the year over year growth of the global Embedded Non-volatile Flash Memory market?
4. What is the production and production value of the global Embedded Non-volatile Flash Memory market?
5. Who are the key producers in the global Embedded Non-volatile Flash Memory market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Embedded Non-volatile Flash Memory Introduction
- 1.2 World Embedded Non-volatile Flash Memory Supply & Forecast
 - 1.2.1 World Embedded Non-volatile Flash Memory Production Value (2018 & 2022 & 2029)
 - 1.2.2 World Embedded Non-volatile Flash Memory Production (2018-2029)
 - 1.2.3 World Embedded Non-volatile Flash Memory Pricing Trends (2018-2029)
- 1.3 World Embedded Non-volatile Flash Memory Production by Region (Based on Production Site)
 - 1.3.1 World Embedded Non-volatile Flash Memory Production Value by Region (2018-2029)
 - 1.3.2 World Embedded Non-volatile Flash Memory Production by Region (2018-2029)
 - 1.3.3 World Embedded Non-volatile Flash Memory Average Price by Region (2018-2029)
 - 1.3.4 North America Embedded Non-volatile Flash Memory Production (2018-2029)
 - 1.3.5 Europe Embedded Non-volatile Flash Memory Production (2018-2029)
 - 1.3.6 China Embedded Non-volatile Flash Memory Production (2018-2029)
 - 1.3.7 Japan Embedded Non-volatile Flash Memory Production (2018-2029)
 - 1.3.8 South Korea Embedded Non-volatile Flash Memory Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Embedded Non-volatile Flash Memory Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Embedded Non-volatile Flash Memory Major Market Trends
- 1.5 Influence of COVID-19 and Russia-Ukraine War
 - 1.5.1 Influence of COVID-19
 - 1.5.2 Influence of Russia-Ukraine War

2 DEMAND SUMMARY

- 2.1 World Embedded Non-volatile Flash Memory Demand (2018-2029)
- 2.2 World Embedded Non-volatile Flash Memory Consumption by Region
 - 2.2.1 World Embedded Non-volatile Flash Memory Consumption by Region (2018-2023)
 - 2.2.2 World Embedded Non-volatile Flash Memory Consumption Forecast by Region (2024-2029)
- 2.3 United States Embedded Non-volatile Flash Memory Consumption (2018-2029)

- 2.4 China Embedded Non-volatile Flash Memory Consumption (2018-2029)
- 2.5 Europe Embedded Non-volatile Flash Memory Consumption (2018-2029)
- 2.6 Japan Embedded Non-volatile Flash Memory Consumption (2018-2029)
- 2.7 South Korea Embedded Non-volatile Flash Memory Consumption (2018-2029)
- 2.8 ASEAN Embedded Non-volatile Flash Memory Consumption (2018-2029)
- 2.9 India Embedded Non-volatile Flash Memory Consumption (2018-2029)

3 WORLD EMBEDDED NON-VOLATILE FLASH MEMORY MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Embedded Non-volatile Flash Memory Production Value by Manufacturer (2018-2023)
- 3.2 World Embedded Non-volatile Flash Memory Production by Manufacturer (2018-2023)
- 3.3 World Embedded Non-volatile Flash Memory Average Price by Manufacturer (2018-2023)
- 3.4 Embedded Non-volatile Flash Memory Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Embedded Non-volatile Flash Memory Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Embedded Non-volatile Flash Memory in 2022
 - 3.5.3 Global Concentration Ratios (CR8) for Embedded Non-volatile Flash Memory in 2022
- 3.6 Embedded Non-volatile Flash Memory Market: Overall Company Footprint Analysis
 - 3.6.1 Embedded Non-volatile Flash Memory Market: Region Footprint
 - 3.6.2 Embedded Non-volatile Flash Memory Market: Company Product Type Footprint
 - 3.6.3 Embedded Non-volatile Flash Memory Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: Embedded Non-volatile Flash Memory Production Value

Comparison

4.1.1 United States VS China: Embedded Non-volatile Flash Memory Production Value Comparison (2018 & 2022 & 2029)

4.1.2 United States VS China: Embedded Non-volatile Flash Memory Production Value Market Share Comparison (2018 & 2022 & 2029)

4.2 United States VS China: Embedded Non-volatile Flash Memory Production Comparison

4.2.1 United States VS China: Embedded Non-volatile Flash Memory Production Comparison (2018 & 2022 & 2029)

4.2.2 United States VS China: Embedded Non-volatile Flash Memory Production Market Share Comparison (2018 & 2022 & 2029)

4.3 United States VS China: Embedded Non-volatile Flash Memory Consumption Comparison

4.3.1 United States VS China: Embedded Non-volatile Flash Memory Consumption Comparison (2018 & 2022 & 2029)

4.3.2 United States VS China: Embedded Non-volatile Flash Memory Consumption Market Share Comparison (2018 & 2022 & 2029)

4.4 United States Based Embedded Non-volatile Flash Memory Manufacturers and Market Share, 2018-2023

4.4.1 United States Based Embedded Non-volatile Flash Memory Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Embedded Non-volatile Flash Memory Production Value (2018-2023)

4.4.3 United States Based Manufacturers Embedded Non-volatile Flash Memory Production (2018-2023)

4.5 China Based Embedded Non-volatile Flash Memory Manufacturers and Market Share

4.5.1 China Based Embedded Non-volatile Flash Memory Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Embedded Non-volatile Flash Memory Production Value (2018-2023)

4.5.3 China Based Manufacturers Embedded Non-volatile Flash Memory Production (2018-2023)

4.6 Rest of World Based Embedded Non-volatile Flash Memory Manufacturers and Market Share, 2018-2023

4.6.1 Rest of World Based Embedded Non-volatile Flash Memory Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Embedded Non-volatile Flash Memory Production Value (2018-2023)

4.6.3 Rest of World Based Manufacturers Embedded Non-volatile Flash Memory Production (2018-2023)

5 MARKET ANALYSIS BY TYPE

5.1 World Embedded Non-volatile Flash Memory Market Size Overview by Type: 2018 VS 2022 VS 2029

5.2 Segment Introduction by Type

5.2.1 NOR Type Flash Memory

5.2.2 NAND Type Flash Memory

5.3 Market Segment by Type

5.3.1 World Embedded Non-volatile Flash Memory Production by Type (2018-2029)

5.3.2 World Embedded Non-volatile Flash Memory Production Value by Type (2018-2029)

5.3.3 World Embedded Non-volatile Flash Memory Average Price by Type (2018-2029)

6 MARKET ANALYSIS BY APPLICATION

6.1 World Embedded Non-volatile Flash Memory Market Size Overview by Application: 2018 VS 2022 VS 2029

6.2 Segment Introduction by Application

6.2.1 Automobile Industry

6.2.2 Consumer Electronics Industry

6.2.3 Communications Industry

6.2.4 Medical Industry

6.2.5 Automated Industry

6.2.6 Energy Industry

6.2.7 Security Industry

6.2.8 Others

6.3 Market Segment by Application

6.3.1 World Embedded Non-volatile Flash Memory Production by Application (2018-2029)

6.3.2 World Embedded Non-volatile Flash Memory Production Value by Application (2018-2029)

6.3.3 World Embedded Non-volatile Flash Memory Average Price by Application (2018-2029)

7 COMPANY PROFILES

7.1 Samsung Electronics

7.1.1 Samsung Electronics Details

7.1.2 Samsung Electronics Major Business

7.1.3 Samsung Electronics Embedded Non-volatile Flash Memory Product and Services

7.1.4 Samsung Electronics Embedded Non-volatile Flash Memory Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.1.5 Samsung Electronics Recent Developments/Updates

7.1.6 Samsung Electronics Competitive Strengths & Weaknesses

7.2 Micron Technology

7.2.1 Micron Technology Details

7.2.2 Micron Technology Major Business

7.2.3 Micron Technology Embedded Non-volatile Flash Memory Product and Services

7.2.4 Micron Technology Embedded Non-volatile Flash Memory Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.2.5 Micron Technology Recent Developments/Updates

7.2.6 Micron Technology Competitive Strengths & Weaknesses

7.3 Toshiba Corporation

7.3.1 Toshiba Corporation Details

7.3.2 Toshiba Corporation Major Business

7.3.3 Toshiba Corporation Embedded Non-volatile Flash Memory Product and Services

7.3.4 Toshiba Corporation Embedded Non-volatile Flash Memory Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.3.5 Toshiba Corporation Recent Developments/Updates

7.3.6 Toshiba Corporation Competitive Strengths & Weaknesses

7.4 Intel Corporation

7.4.1 Intel Corporation Details

7.4.2 Intel Corporation Major Business

7.4.3 Intel Corporation Embedded Non-volatile Flash Memory Product and Services

7.4.4 Intel Corporation Embedded Non-volatile Flash Memory Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.4.5 Intel Corporation Recent Developments/Updates

7.4.6 Intel Corporation Competitive Strengths & Weaknesses

7.5 SK Hynix

7.5.1 SK Hynix Details

7.5.2 SK Hynix Major Business

7.5.3 SK Hynix Embedded Non-volatile Flash Memory Product and Services

7.5.4 SK Hynix Embedded Non-volatile Flash Memory Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.5.5 SK Hynix Recent Developments/Updates

7.5.6 SK Hynix Competitive Strengths & Weaknesses

7.6 Western Digital

7.6.1 Western Digital Details

7.6.2 Western Digital Major Business

7.6.3 Western Digital Embedded Non-volatile Flash Memory Product and Services

7.6.4 Western Digital Embedded Non-volatile Flash Memory Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.6.5 Western Digital Recent Developments/Updates

7.6.6 Western Digital Competitive Strengths & Weaknesses

7.7 Kingston Technology

7.7.1 Kingston Technology Details

7.7.2 Kingston Technology Major Business

7.7.3 Kingston Technology Embedded Non-volatile Flash Memory Product and Services

7.7.4 Kingston Technology Embedded Non-volatile Flash Memory Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.7.5 Kingston Technology Recent Developments/Updates

7.7.6 Kingston Technology Competitive Strengths & Weaknesses

7.8 SanDisk Corporation

7.8.1 SanDisk Corporation Details

7.8.2 SanDisk Corporation Major Business

7.8.3 SanDisk Corporation Embedded Non-volatile Flash Memory Product and Services

7.8.4 SanDisk Corporation Embedded Non-volatile Flash Memory Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.8.5 SanDisk Corporation Recent Developments/Updates

7.8.6 SanDisk Corporation Competitive Strengths & Weaknesses

7.9 Macronix International

7.9.1 Macronix International Details

7.9.2 Macronix International Major Business

7.9.3 Macronix International Embedded Non-volatile Flash Memory Product and Services

7.9.4 Macronix International Embedded Non-volatile Flash Memory Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.9.5 Macronix International Recent Developments/Updates

7.9.6 Macronix International Competitive Strengths & Weaknesses

7.10 Cypress Semiconductor

7.10.1 Cypress Semiconductor Details

7.10.2 Cypress Semiconductor Major Business

7.10.3 Cypress Semiconductor Embedded Non-volatile Flash Memory Product and Services

7.10.4 Cypress Semiconductor Embedded Non-volatile Flash Memory Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.10.5 Cypress Semiconductor Recent Developments/Updates

7.10.6 Cypress Semiconductor Competitive Strengths & Weaknesses

7.11 Silicon Motion Technology

7.11.1 Silicon Motion Technology Details

7.11.2 Silicon Motion Technology Major Business

7.11.3 Silicon Motion Technology Embedded Non-volatile Flash Memory Product and Services

7.11.4 Silicon Motion Technology Embedded Non-volatile Flash Memory Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.11.5 Silicon Motion Technology Recent Developments/Updates

7.11.6 Silicon Motion Technology Competitive Strengths & Weaknesses

7.12 Winbond Electronics

7.12.1 Winbond Electronics Details

7.12.2 Winbond Electronics Major Business

7.12.3 Winbond Electronics Embedded Non-volatile Flash Memory Product and Services

7.12.4 Winbond Electronics Embedded Non-volatile Flash Memory Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.12.5 Winbond Electronics Recent Developments/Updates

7.12.6 Winbond Electronics Competitive Strengths & Weaknesses

7.13 Greenliant Systems

7.13.1 Greenliant Systems Details

7.13.2 Greenliant Systems Major Business

7.13.3 Greenliant Systems Embedded Non-volatile Flash Memory Product and Services

7.13.4 Greenliant Systems Embedded Non-volatile Flash Memory Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.13.5 Greenliant Systems Recent Developments/Updates

7.13.6 Greenliant Systems Competitive Strengths & Weaknesses

7.14 Adesto Technologies

7.14.1 Adesto Technologies Details

7.14.2 Adesto Technologies Major Business

7.14.3 Adesto Technologies Embedded Non-volatile Flash Memory Product and Services

7.14.4 Adesto Technologies Embedded Non-volatile Flash Memory Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.14.5 Adesto Technologies Recent Developments/Updates

7.14.6 Adesto Technologies Competitive Strengths & Weaknesses

7.15 GigaDevice Semiconductor

7.15.1 GigaDevice Semiconductor Details

7.15.2 GigaDevice Semiconductor Major Business

7.15.3 GigaDevice Semiconductor Embedded Non-volatile Flash Memory Product and Services

7.15.4 GigaDevice Semiconductor Embedded Non-volatile Flash Memory Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.15.5 GigaDevice Semiconductor Recent Developments/Updates

7.15.6 GigaDevice Semiconductor Competitive Strengths & Weaknesses

8 INDUSTRY CHAIN ANALYSIS

8.1 Embedded Non-volatile Flash Memory Industry Chain

8.2 Embedded Non-volatile Flash Memory Upstream Analysis

8.2.1 Embedded Non-volatile Flash Memory Core Raw Materials

8.2.2 Main Manufacturers of Embedded Non-volatile Flash Memory Core Raw Materials

8.3 Midstream Analysis

8.4 Downstream Analysis

8.5 Embedded Non-volatile Flash Memory Production Mode

8.6 Embedded Non-volatile Flash Memory Procurement Model

8.7 Embedded Non-volatile Flash Memory Industry Sales Model and Sales Channels

8.7.1 Embedded Non-volatile Flash Memory Sales Model

8.7.2 Embedded Non-volatile Flash Memory Typical Customers

9 RESEARCH FINDINGS AND CONCLUSION

10 APPENDIX

10.1 Methodology

10.2 Research Process and Data Source

10.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Embedded Non-volatile Flash Memory Production Value by Region (2018, 2022 and 2029) & (USD Million)

Table 2. World Embedded Non-volatile Flash Memory Production Value by Region (2018-2023) & (USD Million)

Table 3. World Embedded Non-volatile Flash Memory Production Value by Region (2024-2029) & (USD Million)

Table 4. World Embedded Non-volatile Flash Memory Production Value Market Share by Region (2018-2023)

Table 5. World Embedded Non-volatile Flash Memory Production Value Market Share by Region (2024-2029)

Table 6. World Embedded Non-volatile Flash Memory Production by Region (2018-2023) & (K Units)

Table 7. World Embedded Non-volatile Flash Memory Production by Region (2024-2029) & (K Units)

Table 8. World Embedded Non-volatile Flash Memory Production Market Share by Region (2018-2023)

Table 9. World Embedded Non-volatile Flash Memory Production Market Share by Region (2024-2029)

Table 10. World Embedded Non-volatile Flash Memory Average Price by Region (2018-2023) & (US\$/Unit)

Table 11. World Embedded Non-volatile Flash Memory Average Price by Region (2024-2029) & (US\$/Unit)

Table 12. Embedded Non-volatile Flash Memory Major Market Trends

Table 13. World Embedded Non-volatile Flash Memory Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (K Units)

Table 14. World Embedded Non-volatile Flash Memory Consumption by Region (2018-2023) & (K Units)

Table 15. World Embedded Non-volatile Flash Memory Consumption Forecast by Region (2024-2029) & (K Units)

Table 16. World Embedded Non-volatile Flash Memory Production Value by Manufacturer (2018-2023) & (USD Million)

Table 17. Production Value Market Share of Key Embedded Non-volatile Flash Memory Producers in 2022

Table 18. World Embedded Non-volatile Flash Memory Production by Manufacturer (2018-2023) & (K Units)

Table 19. Production Market Share of Key Embedded Non-volatile Flash Memory Producers in 2022

Table 20. World Embedded Non-volatile Flash Memory Average Price by Manufacturer (2018-2023) & (US\$/Unit)

Table 21. Global Embedded Non-volatile Flash Memory Company Evaluation Quadrant

Table 22. World Embedded Non-volatile Flash Memory Industry Rank of Major Manufacturers, Based on Production Value in 2022

Table 23. Head Office and Embedded Non-volatile Flash Memory Production Site of Key Manufacturer

Table 24. Embedded Non-volatile Flash Memory Market: Company Product Type Footprint

Table 25. Embedded Non-volatile Flash Memory Market: Company Product Application Footprint

Table 26. Embedded Non-volatile Flash Memory Competitive Factors

Table 27. Embedded Non-volatile Flash Memory New Entrant and Capacity Expansion Plans

Table 28. Embedded Non-volatile Flash Memory Mergers & Acquisitions Activity

Table 29. United States VS China Embedded Non-volatile Flash Memory Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)

Table 30. United States VS China Embedded Non-volatile Flash Memory Production Comparison, (2018 & 2022 & 2029) & (K Units)

Table 31. United States VS China Embedded Non-volatile Flash Memory Consumption Comparison, (2018 & 2022 & 2029) & (K Units)

Table 32. United States Based Embedded Non-volatile Flash Memory Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Embedded Non-volatile Flash Memory Production Value, (2018-2023) & (USD Million)

Table 34. United States Based Manufacturers Embedded Non-volatile Flash Memory Production Value Market Share (2018-2023)

Table 35. United States Based Manufacturers Embedded Non-volatile Flash Memory Production (2018-2023) & (K Units)

Table 36. United States Based Manufacturers Embedded Non-volatile Flash Memory Production Market Share (2018-2023)

Table 37. China Based Embedded Non-volatile Flash Memory Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Embedded Non-volatile Flash Memory Production Value, (2018-2023) & (USD Million)

Table 39. China Based Manufacturers Embedded Non-volatile Flash Memory Production Value Market Share (2018-2023)

- Table 40. China Based Manufacturers Embedded Non-volatile Flash Memory Production (2018-2023) & (K Units)
- Table 41. China Based Manufacturers Embedded Non-volatile Flash Memory Production Market Share (2018-2023)
- Table 42. Rest of World Based Embedded Non-volatile Flash Memory Manufacturers, Headquarters and Production Site (States, Country)
- Table 43. Rest of World Based Manufacturers Embedded Non-volatile Flash Memory Production Value, (2018-2023) & (USD Million)
- Table 44. Rest of World Based Manufacturers Embedded Non-volatile Flash Memory Production Value Market Share (2018-2023)
- Table 45. Rest of World Based Manufacturers Embedded Non-volatile Flash Memory Production (2018-2023) & (K Units)
- Table 46. Rest of World Based Manufacturers Embedded Non-volatile Flash Memory Production Market Share (2018-2023)
- Table 47. World Embedded Non-volatile Flash Memory Production Value by Type, (USD Million), 2018 & 2022 & 2029
- Table 48. World Embedded Non-volatile Flash Memory Production by Type (2018-2023) & (K Units)
- Table 49. World Embedded Non-volatile Flash Memory Production by Type (2024-2029) & (K Units)
- Table 50. World Embedded Non-volatile Flash Memory Production Value by Type (2018-2023) & (USD Million)
- Table 51. World Embedded Non-volatile Flash Memory Production Value by Type (2024-2029) & (USD Million)
- Table 52. World Embedded Non-volatile Flash Memory Average Price by Type (2018-2023) & (US\$/Unit)
- Table 53. World Embedded Non-volatile Flash Memory Average Price by Type (2024-2029) & (US\$/Unit)
- Table 54. World Embedded Non-volatile Flash Memory Production Value by Application, (USD Million), 2018 & 2022 & 2029
- Table 55. World Embedded Non-volatile Flash Memory Production by Application (2018-2023) & (K Units)
- Table 56. World Embedded Non-volatile Flash Memory Production by Application (2024-2029) & (K Units)
- Table 57. World Embedded Non-volatile Flash Memory Production Value by Application (2018-2023) & (USD Million)
- Table 58. World Embedded Non-volatile Flash Memory Production Value by Application (2024-2029) & (USD Million)
- Table 59. World Embedded Non-volatile Flash Memory Average Price by Application

(2018-2023) & (US\$/Unit)

Table 60. World Embedded Non-volatile Flash Memory Average Price by Application

(2024-2029) & (US\$/Unit)

Table 61. Samsung Electronics Basic Information, Manufacturing Base and Competitors

Table 62. Samsung Electronics Major Business

Table 63. Samsung Electronics Embedded Non-volatile Flash Memory Product and Services

Table 64. Samsung Electronics Embedded Non-volatile Flash Memory Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 65. Samsung Electronics Recent Developments/Updates

Table 66. Samsung Electronics Competitive Strengths & Weaknesses

Table 67. Micron Technology Basic Information, Manufacturing Base and Competitors

Table 68. Micron Technology Major Business

Table 69. Micron Technology Embedded Non-volatile Flash Memory Product and Services

Table 70. Micron Technology Embedded Non-volatile Flash Memory Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 71. Micron Technology Recent Developments/Updates

Table 72. Micron Technology Competitive Strengths & Weaknesses

Table 73. Toshiba Corporation Basic Information, Manufacturing Base and Competitors

Table 74. Toshiba Corporation Major Business

Table 75. Toshiba Corporation Embedded Non-volatile Flash Memory Product and Services

Table 76. Toshiba Corporation Embedded Non-volatile Flash Memory Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 77. Toshiba Corporation Recent Developments/Updates

Table 78. Toshiba Corporation Competitive Strengths & Weaknesses

Table 79. Intel Corporation Basic Information, Manufacturing Base and Competitors

Table 80. Intel Corporation Major Business

Table 81. Intel Corporation Embedded Non-volatile Flash Memory Product and Services

Table 82. Intel Corporation Embedded Non-volatile Flash Memory Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 83. Intel Corporation Recent Developments/Updates

Table 84. Intel Corporation Competitive Strengths & Weaknesses

Table 85. SK Hynix Basic Information, Manufacturing Base and Competitors

Table 86. SK Hynix Major Business

Table 87. SK Hynix Embedded Non-volatile Flash Memory Product and Services

Table 88. SK Hynix Embedded Non-volatile Flash Memory Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 89. SK Hynix Recent Developments/Updates

Table 90. SK Hynix Competitive Strengths & Weaknesses

Table 91. Western Digital Basic Information, Manufacturing Base and Competitors

Table 92. Western Digital Major Business

Table 93. Western Digital Embedded Non-volatile Flash Memory Product and Services

Table 94. Western Digital Embedded Non-volatile Flash Memory Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 95. Western Digital Recent Developments/Updates

Table 96. Western Digital Competitive Strengths & Weaknesses

Table 97. Kingston Technology Basic Information, Manufacturing Base and Competitors

Table 98. Kingston Technology Major Business

Table 99. Kingston Technology Embedded Non-volatile Flash Memory Product and Services

Table 100. Kingston Technology Embedded Non-volatile Flash Memory Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 101. Kingston Technology Recent Developments/Updates

Table 102. Kingston Technology Competitive Strengths & Weaknesses

Table 103. SanDisk Corporation Basic Information, Manufacturing Base and Competitors

Table 104. SanDisk Corporation Major Business

Table 105. SanDisk Corporation Embedded Non-volatile Flash Memory Product and Services

Table 106. SanDisk Corporation Embedded Non-volatile Flash Memory Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 107. SanDisk Corporation Recent Developments/Updates

Table 108. SanDisk Corporation Competitive Strengths & Weaknesses

Table 109. Macronix International Basic Information, Manufacturing Base and Competitors

Table 110. Macronix International Major Business

Table 111. Macronix International Embedded Non-volatile Flash Memory Product and Services

Table 112. Macronix International Embedded Non-volatile Flash Memory Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 113. Macronix International Recent Developments/Updates

Table 114. Macronix International Competitive Strengths & Weaknesses

Table 115. Cypress Semiconductor Basic Information, Manufacturing Base and Competitors

Table 116. Cypress Semiconductor Major Business

Table 117. Cypress Semiconductor Embedded Non-volatile Flash Memory Product and Services

Table 118. Cypress Semiconductor Embedded Non-volatile Flash Memory Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 119. Cypress Semiconductor Recent Developments/Updates

Table 120. Cypress Semiconductor Competitive Strengths & Weaknesses

Table 121. Silicon Motion Technology Basic Information, Manufacturing Base and Competitors

Table 122. Silicon Motion Technology Major Business

Table 123. Silicon Motion Technology Embedded Non-volatile Flash Memory Product and Services

Table 124. Silicon Motion Technology Embedded Non-volatile Flash Memory Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 125. Silicon Motion Technology Recent Developments/Updates

Table 126. Silicon Motion Technology Competitive Strengths & Weaknesses

Table 127. Winbond Electronics Basic Information, Manufacturing Base and Competitors

Table 128. Winbond Electronics Major Business

Table 129. Winbond Electronics Embedded Non-volatile Flash Memory Product and Services

Table 130. Winbond Electronics Embedded Non-volatile Flash Memory Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 131. Winbond Electronics Recent Developments/Updates

Table 132. Winbond Electronics Competitive Strengths & Weaknesses

Table 133. Greenliant Systems Basic Information, Manufacturing Base and Competitors

Table 134. Greenliant Systems Major Business

Table 135. Greenliant Systems Embedded Non-volatile Flash Memory Product and Services

Table 136. Greenliant Systems Embedded Non-volatile Flash Memory Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 137. Greenliant Systems Recent Developments/Updates

Table 138. Greenliant Systems Competitive Strengths & Weaknesses

Table 139. Adesto Technologies Basic Information, Manufacturing Base and Competitors

Table 140. Adesto Technologies Major Business

Table 141. Adesto Technologies Embedded Non-volatile Flash Memory Product and Services

Table 142. Adesto Technologies Embedded Non-volatile Flash Memory Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 143. Adesto Technologies Recent Developments/Updates

Table 144. GigaDevice Semiconductor Basic Information, Manufacturing Base and Competitors

Table 145. GigaDevice Semiconductor Major Business

Table 146. GigaDevice Semiconductor Embedded Non-volatile Flash Memory Product and Services

Table 147. GigaDevice Semiconductor Embedded Non-volatile Flash Memory Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 148. Global Key Players of Embedded Non-volatile Flash Memory Upstream (Raw Materials)

Table 149. Embedded Non-volatile Flash Memory Typical Customers

Table 150. Embedded Non-volatile Flash Memory Typical Distributors

List of Figure

Figure 1. Embedded Non-volatile Flash Memory Picture

Figure 2. World Embedded Non-volatile Flash Memory Production Value: 2018 & 2022 & 2029, (USD Million)

Figure 3. World Embedded Non-volatile Flash Memory Production Value and Forecast (2018-2029) & (USD Million)

Figure 4. World Embedded Non-volatile Flash Memory Production (2018-2029) & (K Units)

Figure 5. World Embedded Non-volatile Flash Memory Average Price (2018-2029) & (US\$/Unit)

Figure 6. World Embedded Non-volatile Flash Memory Production Value Market Share by Region (2018-2029)

Figure 7. World Embedded Non-volatile Flash Memory Production Market Share by

Region (2018-2029)

Figure 8. North America Embedded Non-volatile Flash Memory Production (2018-2029) & (K Units)

Figure 9. Europe Embedded Non-volatile Flash Memory Production (2018-2029) & (K Units)

Figure 10. China Embedded Non-volatile Flash Memory Production (2018-2029) & (K Units)

Figure 11. Japan Embedded Non-volatile Flash Memory Production (2018-2029) & (K Units)

Figure 12. South Korea Embedded Non-volatile Flash Memory Production (2018-2029) & (K Units)

Figure 13. Embedded Non-volatile Flash Memory Market Drivers

Figure 14. Factors Affecting Demand

Figure 15. World Embedded Non-volatile Flash Memory Consumption (2018-2029) & (K Units)

Figure 16. World Embedded Non-volatile Flash Memory Consumption Market Share by Region (2018-2029)

Figure 17. United States Embedded Non-volatile Flash Memory Consumption (2018-2029) & (K Units)

Figure 18. China Embedded Non-volatile Flash Memory Consumption (2018-2029) & (K Units)

Figure 19. Europe Embedded Non-volatile Flash Memory Consumption (2018-2029) & (K Units)

Figure 20. Japan Embedded Non-volatile Flash Memory Consumption (2018-2029) & (K Units)

Figure 21. South Korea Embedded Non-volatile Flash Memory Consumption (2018-2029) & (K Units)

Figure 22. ASEAN Embedded Non-volatile Flash Memory Consumption (2018-2029) & (K Units)

Figure 23. India Embedded Non-volatile Flash Memory Consumption (2018-2029) & (K Units)

Figure 24. Producer Shipments of Embedded Non-volatile Flash Memory by Manufacturer Revenue (\$MM) and Market Share (%): 2022

Figure 25. Global Four-firm Concentration Ratios (CR4) for Embedded Non-volatile Flash Memory Markets in 2022

Figure 26. Global Four-firm Concentration Ratios (CR8) for Embedded Non-volatile Flash Memory Markets in 2022

Figure 27. United States VS China: Embedded Non-volatile Flash Memory Production Value Market Share Comparison (2018 & 2022 & 2029)

Figure 28. United States VS China: Embedded Non-volatile Flash Memory Production Market Share Comparison (2018 & 2022 & 2029)

Figure 29. United States VS China: Embedded Non-volatile Flash Memory Consumption Market Share Comparison (2018 & 2022 & 2029)

Figure 30. United States Based Manufacturers Embedded Non-volatile Flash Memory Production Market Share 2022

Figure 31. China Based Manufacturers Embedded Non-volatile Flash Memory Production Market Share 2022

Figure 32. Rest of World Based Manufacturers Embedded Non-volatile Flash Memory Production Market Share 2022

Figure 33. World Embedded Non-volatile Flash Memory Production Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 34. World Embedded Non-volatile Flash Memory Production Value Market Share by Type in 2022

Figure 35. NOR Type Flash Memory

Figure 36. NAND Type Flash Memory

Figure 37. World Embedded Non-volatile Flash Memory Production Market Share by Type (2018-2029)

Figure 38. World Embedded Non-volatile Flash Memory Production Value Market Share by Type (2018-2029)

Figure 39. World Embedded Non-volatile Flash Memory Average Price by Type (2018-2029) & (US\$/Unit)

Figure 40. World Embedded Non-volatile Flash Memory Production Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 41. World Embedded Non-volatile Flash Memory Production Value Market Share by Application in 2022

Figure 42. Automobile Industry

Figure 43. Consumer Electronics Industry

Figure 44. Communications Industry

Figure 45. Medical Industry

Figure 46. Automated Industry

Figure 47. Energy Industry

Figure 48. Security Industry

Figure 49. Others

Figure 50. World Embedded Non-volatile Flash Memory Production Market Share by Application (2018-2029)

Figure 51. World Embedded Non-volatile Flash Memory Production Value Market Share by Application (2018-2029)

Figure 52. World Embedded Non-volatile Flash Memory Average Price by Application

(2018-2029) & (US\$/Unit)

Figure 53. Embedded Non-volatile Flash Memory Industry Chain

Figure 54. Embedded Non-volatile Flash Memory Procurement Model

Figure 55. Embedded Non-volatile Flash Memory Sales Model

Figure 56. Embedded Non-volatile Flash Memory Sales Channels, Direct Sales, and Distribution

Figure 57. Methodology

Figure 58. Research Process and Data Source

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