

## Report Information

More information from: <https://www.marketresearchfuture.com/reports/flash-memory-market-986>

# Flash Memory Market Research Report - Forecast to 2025

Report / Search Code: MRFR/SEM/0480-CR

Publish Date: January, 2021

[Request Sample](#)

|       |                        |                            |
|-------|------------------------|----------------------------|
| Price | 1-user PDF : \$ 4950.0 | Enterprise PDF : \$ 7250.0 |
|-------|------------------------|----------------------------|

## Description:

## Flash Memory Market Overview

The CAGR for the flash memory market is projected to be 4.9% for the years between 2020 and 2025. The Flash Memory Market was worth USD 62.06 Billion in 2019. It is expected to be worth USD 80 billion in 2025.

People use flash memory cards when they want to record information and data but don't have access to a reliable power supply. It can be considered to be a safe way to store vital computer-generated information and data as well. Flash memory was created when the first computers were in the 1940s. It has evolved over the decades as computers and various mobile digital devices have evolved.

Flash memory is currently used to back up information and data on many devices - digital and otherwise. Their use is not just confined to computers anymore. In fact, the flash memory market is expected to be one of the few markets to register significant and noticeable growth during the COVID-19 induced global recession.

### COVID-19 Analysis

COVID-19 proved to be dangerous when it became a global pandemic last year. Most people recover from it but a few people got deathly sick. Governments around the world began to notice that this was a deadly virus and they began to act with temporary quarantines and lockdowns. These had limited effect, many industries and markets were negatively affected.

Governments around the world realized this. That's why they imposed quarantines and lockdowns. These were temporary and had limited success. Many industries were negatively affected. Many companies that used flash memory cards in a variety of industries were forced to either temporarily halt or dramatically slow production down. This created less of a demand for these cards. Also, manufacturers of these cards found the raw materials needed to make these memory cards hard to come by. This raised the cost of manufacturing these cards. The manufacturers were forced to pass these costs onto the final consumer in the form of higher retail prices.

### Market dynamics

#### Drivers

Computers and digital devices are becoming more sophisticated and complex all of the time. This creates a need for sophisticated and complex flash memory cards. These are highly desired because they're capable of storing large amounts of information at once. They're also scalable.

Many more people around the world are growing richer. In fact, many developing nations have a growing middle class. They want better computers, digital devices, and other forms of consumer electronics. This has created a need for more sophisticated and better flash memory cards with more storage ability and more affordable payment plans.

#### Opportunities

The flash memory market is experiencing a healthy CAGR which is expected to continue for at least the next few years. Manufacturers of flash memory cards are realizing that the market is very lucrative. That's why they're spending millions in research and development in the attempt to develop the next generation of memory cards that are more efficient at storing information and data and are capable of storing much more information and data than their predecessors.

#### Restraints

The one factor that restrains Flash Memory Market is the fact that it's not cheap to make these memory cards. COVID-19 exacerbated this by making the raw materials needed to make these memory cards hard to source.

#### Challenges

Perhaps the biggest challenge that manufacturers in the flash memory market will face going forward lies in continuing to make more advanced flash memory cards that can store even more information and data while keeping prices at a reasonable range for consumers.

### Cumulative growth analysis

The CAGR for the flash memory market is expected to be 4.95% from 2020 to 2025. The Flash Memory Market was worth USD 62.06 billion in 2019. It is projected to be worth USD 80.0 billion in 2025.

### Technology analysis

IM Flash is an American company. It's the result of the marriage between two American tech giants: Intel and Micron. It exists to do extensive research and development in the flash memory market. Thus far, its efforts have been successful. IM Flash has, to date, developed the 3X Point. This is a memory chip that's able to record far larger quantities of information and data without needing a transistor. It can be considered to be a pioneer in the global flash memory market because it's the first chip that operates without a transistor.

## Segment overview

### By type

The flash memory market can be grouped into the following sub-segments based on type:

- NAND flash memory
- NOR Flash memory

The NAND flash memory sub-segment has most of the market share in the type segment at 73.68% as of 2019. A CAGR of 5.20% from this market is expected from 2020-2025. Flash memory is stable. It's also referred to as flash storage. It organizes data and information into units based on the similarity of data and information. These flash memory cards are then able to erase existing data and rewrite it on the same card. This helps many businesses become much more productive.

It's so effective at storing, retrieving, erasing, and rewriting data that it's used widely in devices and companies that need to store and transfer important bits of data. Many manufacturing companies use these chips because of these features as well.

NAND flash memory plays an important role as a catalyst in terms of dramatically improving and accelerating the output of devices that are Input/Output based.

NOR Flash memory is used in devices and systems that use embedded chips. The reason being that it's easy for these systems to retrieve, read, and interpret the information and data that these memory cards store. It can also do this at a much faster pace than NAND flash memory cards can. That said, NOR flash memory cards are more expensive mainly because they have greater capabilities and efficiencies.

## Regional Analysis

The flash memory market can be separated into the following regions:

- North America
- The European Union
- Asia-Pacific
- The Middle East and North Africa
- Central and South America

The Asia-Pacific region had the largest regional market share in 2019. It stood at 35.78% in that year. Flash Memory Market for this region is also expected to have the greatest regional market value. The CAGR for the Asia-Pacific region is expected to be 6.25% from 2020-2025.

The North American region had the second largest market share of all of the regions in the world in 2019. The North American region also had the second-highest CAGR of all of the regions in the world.

## Competitive landscape

The flash memory market remains highly competitive. One of the factors that account for this is its relatively high CAGR. Flash Memory Market is also very lucrative and has few barriers to entry. Established companies in similar industries with huge treasuries and cash resources have no trouble entering the market. It's this competitive nature that makes it difficult for companies to stay financially viable. They generally have to do one or more of the following to thrive in this ruthless market with cut-throat competition:

- Invest heavily in research and development
- Enter into strategic partnerships with other companies
- Merge with/acquire other successful companies in the market

Companies that invest heavily in research and development end up extending their product horizons by creating a new generation of more competitive flash memory cards. These products have many more useful and innovative applications than their predecessors did. Therefore, they are in much higher demand. It's also new product development through extensive research and development that allows companies to justify charging people much more for these products.

Companies increase their resource pools when they enter into strategic partnerships with other companies. Some of the companies that are formed as a result of the strategic partnership exist solely to do the quality research and development that will lead to more innovative products that are more efficient and effective at transcribing, storing, retrieving, and rewriting large quantities of data and information.

Intel Corporation is an American company. It has managed to retain its superior market position by investing heavily in research and development. This has enabled it to develop a new generation of more effective memory flashcards with far more innovative uses.

## List of Companies

- IM Flash,
- SK Hynix,
- Micron Technology, Inc.,
- Toshiba, Cypress Semiconductor Corporation,
- STMicroelectronics,
- Samsung,
- Intel,
- SanDisk, and
- Qimonda

#### Recent developments

- Intel and Micron partner up to produce IM Flash. This is a branch that's devoted to research and development to produce a new generation of flash memory cards.

#### Report overview

The CAGR for the flash memory market will be 4.95% from 2020-2025. The Flash Memory Market was worth USD 62.06 billion in 2019. It's expected to be worth USD 80 billion in 2025.

#### Table of Content:

|   |
|---|
| Contents  |
| 1 EXECUTIVE SUMMARY   |
| 1.1 MARKET ATTRACTIVENESS ANALYSIS                            |
| 1.1.1 GLOBAL FLASH MEMORY MARKET, BY TYPE                     |
| 1.1.2 GLOBAL FLASH MEMORY MARKET, BY COMPONENT                |
| 1.1.3 GLOBAL FLASH MEMORY MARKET, BY APPLICATION              |
| 1.1.4 GLOBAL FLASH MEMORY MARKET, BY END-USER                 |
| 2 MARKET INTRODUCTION   |
| 2.1 DEFINITIONS   |
| 2.2 SCOPE OF THE STUDY  |
| 2.3 RESEARCH OBJECTIVE  |
| 2.4 MARKET STRUCTURE  |
| 2.5 KEY BUYING CRITERIA                                       |
| 3 RESEARCH METHODOLOGY  |
| 3.1 RESEARCH PROCESS  |
| 3.2 PRIMARY RESEARCH  |
| 3.3 SECONDARY RESEARCH  |
| 3.4 MARKET SIZE ESTIMATION                                    |
| 3.5 FORECAST MODEL  |
| 3.6 LIST OF ASSUMPTIONS                                       |
| 4 MARKET DYNAMICS   |
| 4.1 INTRODUCTION  |
| 4.2 DRIVERS   |
| 4.2.1 NEED FOR HIGH-SPEED AND SCALABLE MEMORY DEVICES         |
| 4.2.2 GROWING DEMAND FOR SERIAL MEMORY FOR NAVIGATION         |
| 4.2.3 INCREASING ADOPTION OF INTERNET-OF-THINGS               |
| 4.3 RESTRAINT   |
| 4.3.1 HIGH EQUIPMENT FABRICATION AND MAINTENANCE COSTS        |
| 4.4 OPPORTUNITY   |
| 4.4.1 INCREASING NUMBER OF DATA CENTERS AND GROWING IT SECTOR |
| 5 MARKET FACTOR ANALYSIS                                      |
| 5.1 SUPPLY CHAIN ANALYSIS                                     |
| 5.1.1 RAW MATERIAL & COMPONENT SUPPLY                         |
| 5.1.2 MANUFACTURE & ASSEMBLY                                  |
| 5.1.3 SALES & DISTRIBUTION                                    |
| 5.1.4 END USE   |
| 5.2 PORTER'S FIVE FORCES MODEL                                |
| 5.2.1 THREAT OF NEW ENTRANTS                                  |
| 5.2.2 BARGAINING POWER OF SUPPLIERS                           |
| 5.2.3 BARGAINING POWER OF BUYERS                              |
| 5.2.4 THREAT OF SUBSTITUTES                                   |
| 5.2.5 RIVALRY   |
| 5.3 IMPACT ANALYSIS OF COVID-19                               |
| 6 GLOBAL FLASH MEMORY MARKET, BY TYPE                         |
| 6.1 OVERVIEW  |
| 6.2 NAND FLASH MEMORY   |
| 6.3 NOR FLASH MEMORY  |
| 7 GLOBAL FLASH MEMORY MARKET, BY COMPONENT                    |
| 7.1 OVERVIEW  |
| 7.2 MEMORY CHIPS  |
| 7.3 FLASH CONTROLLER  |
| 8 GLOBAL FLASH MEMORY MARKET, BY APPLICATION                  |
| 8.1 OVERVIEW  |
| 8.2 SMARTPHONE  |
| 8.3 DIGITAL CAMERA  |
| 8.4 USB FLASH DRIVES  |
| 8.5 SOLID-STATES DRIVES                                       |
| 8.6 TABLETS & LAPTOPS   |
| 8.7 GAMING CONSOLES   |

- 8.8 MEDIA PLAYER
- 9 GLOBAL FLASH MEMORY MARKET, BY END-USER
  - 9.1 OVERVIEW
  - 9.2 ENTERPRISE
  - 9.3 INDUSTRIAL
  - 9.4 INDIVIDUAL/PERSONAL
- 10 GLOBAL FLASH MEMORY MARKET, BY REGION
  - 10.1 OVERVIEW
  - 10.2 NORTH AMERICA
    - 10.2.1 US
    - 10.2.2 CANADA
    - 10.2.3 MEXICO
  - 10.3 EUROPE
    - 10.3.1 GERMANY
    - 10.3.2 UK
    - 10.3.3 FRANCE
    - 10.3.4 ITALY
    - 10.3.5 REST OF EUROPE
  - 10.4 MIDDLE EAST & AFRICA
    - 10.4.1 UAE
    - 10.4.2 SOUTH AFRICA
    - 10.4.3 SAUDI ARABIA
    - 10.4.4 REST OF MIDDLE EAST & AFRICA
  - 10.5 ASIA-PACIFIC
    - 10.5.1 JAPAN
    - 10.5.2 CHINA
    - 10.5.3 REST OF ASIA-PACIFIC
    - 10.5.4 INDIA
    - 10.5.5 SOUTH KOREA
  - 10.6 CENTRAL & SOUTH AMERICA
    - 10.6.1 BRAZIL
    - 10.6.2 ARGENTINA
    - 10.6.3 COLOMBIA
    - 10.6.4 REST OF CSA
- 11 COMPETITIVE LANDSCAPE
  - 11.1 COMPETITIVE OVERVIEW
  - 11.2 COMPETITIVE BENCHMARKING
  - 11.3 MARKET SHARE ANALYSIS
- 12 COMPANY PROFILES
  - 12.1 INFINEON TECHNOLOGIES AG
    - 12.1.1 COMPANY OVERVIEW
    - 12.1.2 FINANCIAL OVERVIEW
    - 12.1.3 PRODUCTS/SOLUTIONS/SERVICE OFFERED
    - 12.1.4 KEY DEVELOPMENTS
    - 12.1.5 SWOT ANALYSIS
    - 12.1.6 KEY STRATEGIES
  - 12.2 INTEL CORPORATION
    - 12.2.1 COMPANY OVERVIEW
    - 12.2.2 FINANCIAL OVERVIEW
    - 12.2.3 PRODUCTS OFFERED
    - 12.2.4 KEY DEVELOPMENTS
    - 12.2.5 SWOT ANALYSIS
    - 12.2.6 KEY STRATEGIES
  - 12.3 MICRON TECHNOLOGY, INC.
    - 12.3.1 COMPANY OVERVIEW
    - 12.3.2 FINANCIAL OVERVIEW
    - 12.3.3 PRODUCTS/SOLUTIONS/SERVICES OFFERED
    - 12.3.4 KEY DEVELOPMENTS
    - 12.3.5 SWOT ANALYSIS
    - 12.3.6 KEY STRATEGIES
  - 12.4 SK HYNIX INC.
    - 12.4.1 COMPANY OVERVIEW
    - 12.4.2 FINANCIAL OVERVIEW
    - 12.4.3 PRODUCTS OFFERED
    - 12.4.4 KEY DEVELOPMENTS
    - 12.4.5 SWOT ANALYSIS
    - 12.4.6 KEY STRATEGIES
  - 12.5 SAMSUNG ELECTRONICS CO., LTD.
    - 12.5.1 COMPANY OVERVIEW
    - 12.5.2 FINANCIAL OVERVIEW
    - 12.5.3 PRODUCTS/SOLUTIONS/SERVICES OFFERED
    - 12.5.4 KEY DEVELOPMENTS
    - 12.5.5 SWOT ANALYSIS
    - 12.5.6 KEY STRATEGIES
  - 12.6 KIOXIA HOLDINGS CORPORATION
    - 12.6.1 COMPANY OVERVIEW
    - 12.6.2 FINANCIAL OVERVIEW
    - 12.6.3 PRODUCTS/SOLUTIONS/SERVICES OFFERED
    - 12.6.4 KEY DEVELOPMENTS
    - 12.6.5 SWOT ANALYSIS
    - 12.6.6 KEY STRATEGIES
  - 12.7 MICROCHIP TECHNOLOGY, INC.
    - 12.7.1 COMPANY OVERVIEW
    - 12.7.2 FINANCIAL OVERVIEW
    - 12.7.3 PRODUCTS/SERVICES/SOLUTIONS OFFERED
    - 12.7.4 KEY DEVELOPMENTS
    - 12.7.5 SWOT ANALYSIS
    - 12.7.6 KEY STRATEGIES
  - 12.8 ON SEMICONDUCTOR
    - 12.8.1 COMPANY OVERVIEW
    - 12.8.2 FINANCIAL OVERVIEW
    - 12.8.3 PRODUCTS/SOLUTIONS/SERVICES OFFERED
    - 12.8.4 KEY DEVELOPMENTS

|   |  |
|---|--|
| 12.8.5 SWOT ANALYSIS  |  |
| 12.8.6 KEY STRATEGIES   |  |
| 12.9 SEAGATE TECHNOLOGY LLC   |  |
| 12.9.1 COMPANY OVERVIEW   |  |
| 12.9.2 FINANCIAL OVERVIEW   |  |
| 12.9.3 PRODUCTS/SOLUTIONS/SERVICES OFFERED  |  |
| 12.9.4 KEY DEVELOPMENTS   |  |
| 12.9.5 SWOT ANALYSIS  |  |
| 12.9.6 KEY STRATEGIES   |  |
| 12.10 TRANSCEND INFORMATION, INC.   |  |
| 12.10.1 COMPANY OVERVIEW  |  |
| 12.10.2 FINANCIAL OVERVIEW  |  |
| 12.10.3 PRODUCTS/SOLUTIONS/SERVICES OFFERED   |  |
| 12.10.4 KEY DEVELOPMENTS  |  |
| 12.10.5 SWOT ANALYSIS   |  |
| 12.10.6 KEY STRATEGIES  |  |
| 12.11 SILICON MOTION TECHNOLOGY CORP.   |  |
| 12.11.1 COMPANY OVERVIEW  |  |
| 12.11.2 FINANCIAL OVERVIEW  |  |
| 12.11.3 PRODUCTS OFFERED  |  |
| 12.11.4 KEY DEVELOPMENTS  |  |
| 12.12 JMICRON TECHNOLOGY CORPORATION  |  |
| 12.12.1 COMPANY OVERVIEW  |  |
| 12.12.2 FINANCIAL OVERVIEW  |  |
| 12.12.3 PRODUCTS OFFERED  |  |
| 12.12.4 KEY DEVELOPMENTS  |  |
| 12.13 VIA TECHNOLOGIES, INC.  |  |
| 12.13.1 COMPANY OVERVIEW  |  |
| 12.13.2 FINANCIAL OVERVIEW  |  |
| 12.13.3 PRODUCTS OFFERED  |  |
| 12.13.4 KEY DEVELOPMENTS  |  |
| 12.14 REALTEK SEMICONDUCTOR CORP.   |  |
| 12.14.1 COMPANY OVERVIEW  |  |
| 12.14.2 FINANCIAL OVERVIEW  |  |
| 12.14.3 PRODUCTS OFFERED  |  |
| 12.14.4 KEY DEVELOPMENTS  |  |
| 12.15 MARVELL   |  |
| 12.15.1 COMPANY OVERVIEW  |  |
| 12.15.2 FINANCIAL OVERVIEW  |  |
| 12.15.3 PRODUCTS OFFERED  |  |
| 12.15.4 KEY DEVELOPMENTS  |  |
| 12.16 WESTERN DIGITAL CORPORATION   |  |
| 12.16.1 COMPANY OVERVIEW  |  |
| 12.16.2 FINANCIAL OVERVIEW  |  |
| 12.16.3 PRODUCTS OFFERED  |  |
| 12.16.4 KEY DEVELOPMENTS  |  |
| 12.17 INTEGRATED SILICON SOLUTION INC.  |  |
| 12.17.1 COMPANY OVERVIEW  |  |
| 12.17.2 FINANCIAL OVERVIEW  |  |
| 12.17.3 PRODUCTS/SOLUTIONS/SERVICES OFFERED   |  |
| 12.17.4 KEY DEVELOPMENTS  |  |
| 12.18 PHISON ELECTRONICS CORPORATION  |  |
| 12.18.1 COMPANY OVERVIEW  |  |
| 12.18.2 FINANCIAL OVERVIEW  |  |
| 12.18.3 PRODUCTS /SOLUTIONS/SERVICES OFFERED  |  |
| 12.18.4 KEY DEVELOPMENTS  |  |
| 12.19 AMIC TECHNOLOGY CORPORATION   |  |
| 12.19.1 COMPANY OVERVIEW  |  |
| 12.19.2 FINANCIAL OVERVIEW  |  |
| 12.19.3 PRODUCTS/SOLUTIONS/SERVICES OFFERED   |  |
| 12.19.4 KEY DEVELOPMENTS  |  |
| 13 LIST OF TABLES   |  |
| TABLE 1 LIST OF ASSUMPTIONS   |  |
| TABLE 2 GLOBAL FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY TYPE, 2020-2027 (USD MILLION)                |  |
| TABLE 3 GLOBAL FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY TYPE, 2020-2027 (MILLION UNITS)              |  |
| TABLE 4 GLOBAL FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY COMPONENT, 2020-2027 (USD MILLION)           |  |
| TABLE 5 GLOBAL FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY APPLICATION, 2020-2027 (USD MILLION)         |  |
| TABLE 6 GLOBAL FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY END-USER, 2020-2027 (USD MILLION)            |  |
| TABLE 7 GLOBAL FLASH MEMORY MARKET, BY REGION, 2020-2027 (USD MILLION)                                    |  |
| TABLE 8 NORTH AMERICA: FLASH MEMORY MARKET, BY COUNTRY, 2020-2027 (USD MILLION)                           |  |
| TABLE 9 NORTH AMERICA: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY TYPE, 2020-2027 (USD MILLION)        |  |
| TABLE 10 NORTH AMERICA FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY COMPONENT, 2020-2027 (USD MILLION)   |  |
| TABLE 11 NORTH AMERICA FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY APPLICATION, 2020-2027 (USD MILLION) |  |
| TABLE 12 NORTH AMERICA FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY END-USER, 2020-2027 (USD MILLION)    |  |
| TABLE 13 US: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY TYPE, 2020-2027 (USD MILLION)                  |  |
| TABLE 14 US FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY COMPONENT, 2020-2027 (USD MILLION)              |  |
| TABLE 15 US FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY APPLICATION, 2020-2027 (USD MILLION)            |  |
| TABLE 16 US FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY END-USER, 2020-2027 (USD MILLION)               |  |
| TABLE 17 CANADA: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY TYPE, 2020-2027 (USD MILLION)              |  |
| TABLE 18 CANADA: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY COMPONENT, 2020-2027 (USD MILLION)         |  |
| TABLE 19 CANADA: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY APPLICATION, 2020-2027 (USD                |  |

MILLION)  
TABLE 20 CANADA: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY END-USER, 2020-2027 (USD MILLION)  
TABLE 21 MEXICO: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY TYPE, 2020-2027 (USD MILLION)  
TABLE 22 MEXICO FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY COMPONENT, 2020-2027 (USD MILLION)  
TABLE 23 MEXICO FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY APPLICATION, 2020-2027 (USD MILLION)  
TABLE 24 MEXICO FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY END-USER, 2020-2027 (USD MILLION)  
TABLE 25 EUROPE: FLASH MEMORY MARKET, BY COUNTRY, 2020-2027 (USD MILLION)  
TABLE 26 EUROPE: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY TYPE, 2020-2027 (USD MILLION)  
TABLE 27 EUROPE FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY COMPONENT, 2020-2027 (USD MILLION)  
TABLE 28 EUROPE FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY APPLICATION, 2020-2027 (USD MILLION)  
TABLE 29 EUROPE FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY END-USER, 2020-2027 (USD MILLION)  
TABLE 30 GERMANY: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY TYPE, 2020-2027 (USD MILLION)  
TABLE 31 GERMANY FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY COMPONENT, 2020-2027 (USD MILLION)  
TABLE 32 GERMANY FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY APPLICATION, 2020-2027 (USD MILLION)  
TABLE 33 GERMANY FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY END-USER, 2020-2027 (USD MILLION)  
TABLE 34 UK: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY TYPE, 2020-2027 (USD MILLION)  
TABLE 35 UK: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY COMPONENT, 2020-2027 (USD MILLION)  
TABLE 36 UK: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY APPLICATION, 2020-2027 (USD MILLION)  
TABLE 37 UK: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY END-USER, 2020-2027 (USD MILLION)  
TABLE 38 FRANCE: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY TYPE, 2020-2027 (USD MILLION)  
TABLE 39 FRANCE FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY COMPONENT, 2020-2027 (USD MILLION)  
TABLE 40 FRANCE FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY APPLICATION, 2020-2027 (USD MILLION)  
TABLE 41 FRANCE FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY END-USER, 2020-2027 (USD MILLION)  
TABLE 42 ITALY: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY TYPE, 2020-2027 (USD MILLION)  
TABLE 43 ITALY FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY COMPONENT, 2020-2027 (USD MILLION)  
TABLE 44 ITALY FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY APPLICATION, 2020-2027 (USD MILLION)  
TABLE 45 ITALY FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY END-USER, 2020-2027 (USD MILLION)  
TABLE 46 REST OF EUROPE: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY TYPE, 2020-2027 (USD MILLION)  
TABLE 47 REST OF EUROPE FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY COMPONENT, 2020-2027 (USD MILLION)  
TABLE 48 REST OF EUROPE FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY APPLICATION, 2020-2027 (USD MILLION)  
TABLE 49 REST OF EUROPE FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY END-USER, 2020-2027 (USD MILLION)  
TABLE 50 MIDDLE EAST & AFRICA: FLASH MEMORY MARKET, BY COUNTRY, 2020-2027 (USD MILLION)  
TABLE 51 MIDDLE EAST & AFRICA: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY TYPE, 2020-2027 (USD MILLION)  
TABLE 52 MIDDLE EAST & AFRICA FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY COMPONENT, 2020-2027 (USD MILLION)  
TABLE 53 MIDDLE EAST & AFRICA FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY APPLICATION, 2020-2027 (USD MILLION)  
TABLE 54 MIDDLE EAST & AFRICA FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY END-USER, 2020-2027 (USD MILLION)  
TABLE 55 UAE: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY TYPE, 2020-2027 (USD MILLION)  
TABLE 56 UAE FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY COMPONENT, 2020-2027 (USD MILLION)  
TABLE 57 UAE FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY APPLICATION, 2020-2027 (USD MILLION)  
TABLE 58 UAE FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY END-USER, 2020-2027 (USD MILLION)  
TABLE 59 SOUTH AFRICA: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY TYPE, 2020-2027 (USD MILLION)  
TABLE 60 SOUTH AFRICA: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY COMPONENT, 2020-2027 (USD MILLION)  
TABLE 61 SOUTH AFRICA: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY APPLICATION, 2020-2027 (USD MILLION)  
TABLE 62 SOUTH AFRICA: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY END-USER, 2020-2027 (USD MILLION)  
TABLE 63 SAUDI ARABIA: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY TYPE, 2020-2027 (USD MILLION)  
TABLE 64 SAUDI ARABIA FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY COMPONENT, 2020-2027 (USD MILLION)  
TABLE 65 SAUDI ARABIA FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY APPLICATION, 2020-2027 (USD MILLION)  
TABLE 66 SAUDI ARABIA FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY END-USER, 2020-2027 (USD MILLION)  
TABLE 67 REST OF MIDDLE EAST & AFRICA: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY TYPE, 2020-2027 (USD MILLION)  
TABLE 68 REST OF MIDDLE EAST & AFRICA FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY

COMPONENT, 2020-2027 (USD MILLION)  
TABLE 69 REST OF MIDDLE EAST & AFRICA FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY APPLICATION, 2020-2027 (USD MILLION)  
TABLE 70 REST OF MIDDLE EAST & AFRICA FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY END-USER, 2020-2027 (USD MILLION)  
TABLE 71 ASIA-PACIFIC: FLASH MEMORY MARKET, BY COUNTRY, 2020-2027 (USD MILLION)  
TABLE 72 ASIA-PACIFIC: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY TYPE, 2020-2027 (USD MILLION)  
TABLE 73 ASIA-PACIFIC FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY COMPONENT, 2020-2027 (USD MILLION)  
TABLE 74 ASIA-PACIFIC FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY APPLICATION, 2020-2027 (USD MILLION)  
TABLE 75 ASIA-PACIFIC FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY END-USER, 2020-2027 (USD MILLION)  
TABLE 76 JAPAN: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY TYPE, 2020-2027 (USD MILLION)  
TABLE 77 JAPAN FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY COMPONENT, 2020-2027 (USD MILLION)  
TABLE 78 JAPAN FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY APPLICATION, 2020-2027 (USD MILLION)  
TABLE 79 JAPAN FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY END-USER, 2020-2027 (USD MILLION)  
TABLE 80 CHINA: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY TYPE, 2020-2027 (USD MILLION)  
TABLE 81 CHINA: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY COMPONENT, 2020-2027 (USD MILLION)  
TABLE 82 CHINA: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY APPLICATION, 2020-2027 (USD MILLION)  
TABLE 83 CHINA: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY END-USER, 2020-2027 (USD MILLION)  
TABLE 84 REST OF ASIA-PACIFIC: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY TYPE, 2020-2027 (USD MILLION)  
TABLE 85 REST OF ASIA-PACIFIC FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY COMPONENT, 2020-2027 (USD MILLION)  
TABLE 86 REST OF ASIA-PACIFIC FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY APPLICATION, 2020-2027 (USD MILLION)  
TABLE 87 REST OF ASIA-PACIFIC FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY END-USER, 2020-2027 (USD MILLION)  
TABLE 88 INDIA: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY TYPE, 2020-2027 (USD MILLION)  
TABLE 89 INDIA FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY COMPONENT, 2020-2027 (USD MILLION)  
TABLE 90 INDIA FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY APPLICATION, 2020-2027 (USD MILLION)  
TABLE 91 INDIA FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY END-USER, 2020-2027 (USD MILLION)  
TABLE 92 SOUTH KOREA: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY TYPE, 2020-2027 (USD MILLION)  
TABLE 93 SOUTH KOREA FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY COMPONENT, 2020-2027 (USD MILLION)  
TABLE 94 SOUTH KOREA FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY APPLICATION, 2020-2027 (USD MILLION)  
TABLE 95 SOUTH KOREA FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY END-USER, 2020-2027 (USD MILLION)  
TABLE 96 CENTRAL & SOUTH AMERICA: FLASH MEMORY MARKET, BY COUNTRY, 2020-2027 (USD MILLION)  
TABLE 97 CENTRAL & SOUTH AMERICA: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY TYPE, 2020-2027 (USD MILLION)  
TABLE 98 CENTRAL & SOUTH AMERICA FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY COMPONENT, 2020-2027 (USD MILLION)  
TABLE 99 CENTRAL & SOUTH AMERICA FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY APPLICATION, 2020-2027 (USD MILLION)  
TABLE 100 CENTRAL & SOUTH AMERICA FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY END-USER, 2020-2027 (USD MILLION)  
TABLE 101 BRAZIL: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY TYPE, 2020-2027 (USD MILLION)  
TABLE 102 BRAZIL FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY COMPONENT, 2020-2027 (USD MILLION)  
TABLE 103 BRAZIL FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY APPLICATION, 2020-2027 (USD MILLION)  
TABLE 104 BRAZIL FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY END-USER, 2020-2027 (USD MILLION)  
TABLE 105 ARGENTINA: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY TYPE, 2020-2027 (USD MILLION)  
TABLE 106 ARGENTINA: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY COMPONENT, 2020-2027 (USD MILLION)  
TABLE 107 ARGENTINA: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY APPLICATION, 2020-2027 (USD MILLION)  
TABLE 108 ARGENTINA: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY END-USER, 2020-2027 (USD MILLION)  
TABLE 109 COLOMBIA: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY TYPE, 2020-2027 (USD MILLION)  
TABLE 110 COLOMBIA FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY COMPONENT, 2020-2027 (USD MILLION)  
TABLE 111 COLOMBIA FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY APPLICATION, 2020-2027 (USD MILLION)  
TABLE 112 COLOMBIA FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY END-USER, 2020-2027 (USD MILLION)  
TABLE 113 REST OF CSA: FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY TYPE, 2020-2027 (USD MILLION)  
TABLE 114 REST OF CSA FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY COMPONENT, 2020-2027 (USD MILLION)  
TABLE 115 REST OF CSA FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY APPLICATION, 2020-2027 (USD MILLION)  
TABLE 116 REST OF CSA FLASH MEMORY: MARKET ESTIMATES & FORECAST, BY END-USER, 2020-2027 (USD MILLION)  
TABLE 117 INFINEON TECHNOLOGIES AG: PRODUCTS/SOLUTIONS/SERVICES OFFERED

|   |
|---|
| TABLE 118 INFINEON TECHNOLOGIES AG: KEY DEVELOPMENTS                            |
| TABLE 119 INTEL CORPORATION: PRODUCTS OFFERED                                   |
| TABLE 120 INTEL CORPORATION: KEY DEVELOPMENTS                                   |
| TABLE 121 MICRON TECHNOLOGY, INC.: PRODUCTS/SOLUTIONS/SERVICES OFFERED          |
| TABLE 122 MICRON TECHNOLOGY, INC.: KEY DEVELOPMENTS                             |
| TABLE 123 SK HYNIX INC.: PRODUCTS OFFERED                                       |
| TABLE 124 SK HYNIX INC.: KEY DEVELOPMENTS                                       |
| TABLE 125 SAMSUNG ELECTRONICS CO., LTD.: PRODUCTS/SOLUTIONS/SERVICES OFFERED    |
| TABLE 126 KIOXIA HOLDINGS CORPORATION: PRODUCTS/SOLUTIONS/SERVICES OFFERED      |
| TABLE 127 KIOXIA HOLDINGS CORPORATION: KEY DEVELOPMENTS                         |
| TABLE 128 MICROCHIP TECHNOLOGY, INC.: PRODUCTS/SERVICES/SOLUTIONS OFFERED       |
| TABLE 129 ON SEMICONDUCTOR: PRODUCTS/SOLUTIONS/SERVICES OFFERED                 |
| TABLE 130 SEAGATE TECHNOLOGY LLC: PRODUCTS/SOLUTIONS/SERVICES OFFERED           |
| TABLE 131 TRANSCEND INFORMATION, INC.: PRODUCTS/SOLUTIONS/SERVICES OFFERED      |
| TABLE 132 TRANSCEND INFORMATION, INC.: KEY DEVELOPMENTS                         |
| TABLE 133 SILICON MOTION TECHNOLOGY CORP.: PRODUCTS OFFERED                     |
| TABLE 134 SILICON MOTION TECHNOLOGY CORP.: KEY DEVELOPMENTS                     |
| TABLE 135 JMICRON TECHNOLOGY CORPORATION: PRODUCTS OFFERED                      |
| TABLE 136 JMICRON TECHNOLOGY CORPORATION: KEY DEVELOPMENTS                      |
| TABLE 137 VIA TECHNOLOGIES, INC.: PRODUCTS OFFERED                              |
| TABLE 138 VIA TECHNOLOGIES, INC.: KEY DEVELOPMENTS                              |
| TABLE 139 REALTEK SEMICONDUCTOR CORP.: PRODUCTS OFFERED                         |
| TABLE 140 MARVELL: PRODUCTS OFFERED   |
| TABLE 141 WESTERN DIGITAL CORPORATION: PRODUCTS OFFERED                         |
| TABLE 142 WESTERN DIGITAL CORPORATION: KEY DEVELOPMENTS                         |
| TABLE 143 INTEGRATED SILICON SOLUTION INC.: PRODUCTS/SOLUTIONS/SERVICES OFFERED |
| TABLE 144 INTEGRATED SILICON SOLUTION INC.: KEY DEVELOPMENTS                    |
| TABLE 145 PHISON ELECTRONICS CORPORATION: PRODUCTS /SOLUTIONS/SERVICES OFFERED  |
| TABLE 146 PHISON ELECTRONICS CORPORATION: KEY DEVELOPMENTS                      |
| TABLE 147 AMIC TECHNOLOGY CORPORATION: PRODUCTS/SOLUTIONS/SERVICES OFFERED      |
| 14 LIST OF FIGURES  |
| FIGURE 1 MARKET SYNOPSIS  |
| FIGURE 2 MARKET ATTRACTIVENESS ANALYSIS: GLOBAL FLASH MEMORY MARKET             |
| FIGURE 3 GLOBAL FLASH MEMORY MARKET ANALYSIS, BY TYPE                           |
| FIGURE 4 GLOBAL FLASH MEMORY MARKET ANALYSIS, BY COMPONENT                      |
| FIGURE 5 GLOBAL FLASH MEMORY MARKET ANALYSIS, BY APPLICATION                    |
| FIGURE 6 GLOBAL FLASH MEMORY MARKET ANALYSIS, BY END-USER                       |
| FIGURE 7 GLOBAL FLASH MEMORY MARKET: STRUCTURE                                  |
| FIGURE 8 KEY BUYING CRITERIA FOR GLOBAL FLASH MEMORY MARKET                     |
| FIGURE 9 RESEARCH PROCESS   |
| FIGURE 10 TOP-DOWN & BOTTOM-UP APPROACHES                                       |
| FIGURE 11 SUPPLY CHAIN ANALYSIS: GLOBAL FLASH MEMORY MARKET                     |
| FIGURE 12 PORTER'S FIVE FORCES ANALYSIS: GLOBAL FLASH MEMORY MARKET             |
| FIGURE 13 GLOBAL FLASH MEMORY MARKET, BY TYPE, 2020 (% SHARE)                   |
| FIGURE 14 GLOBAL FLASH MEMORY MARKET, BY COMPONENT, 2020 (% SHARE)              |
| FIGURE 15 GLOBAL FLASH MEMORY MARKET, BY APPLICATION, 2020 (% SHARE)            |
| FIGURE 16 GLOBAL FLASH MEMORY MARKET, BY END-USER, 2020 (% SHARE)               |
| FIGURE 17 BENCHMARKING OF MAJOR COMPETITORS                                     |
| FIGURE 18 GLOBAL FLASH MEMORY MARKET SHARE ANALYSIS, 2020 (%)                   |
| FIGURE 19 INFINEON TECHNOLOGIES AG: FINANCIAL OVERVIEW SNAPSHOT                 |
| FIGURE 20 INFINEON TECHNOLOGIES AG: SWOT ANALYSIS                               |
| FIGURE 21 INTEL CORPORATION: FINANCIAL OVERVIEW SNAPSHOT                        |
| FIGURE 22 INTEL CORPORATION: SWOT ANALYSIS                                      |
| FIGURE 23 MICRON TECHNOLOGY, INC.: FINANCIAL OVERVIEW SNAPSHOT                  |
| FIGURE 24 MICRON TECHNOLOGY, INC.: SWOT ANALYSIS                                |
| FIGURE 25 SK HYNIX INC.: FINANCIAL OVERVIEW SNAPSHOT                            |
| FIGURE 26 SK HYNIX INC: SWOT ANALYSIS   |
| FIGURE 27 SAMSUNG ELECTRONICS CO., LTD.: FINANCIAL OVERVIEW SNAPSHOT            |
| FIGURE 28 SAMSUNG ELECTRONICS CO., LTD.: SWOT ANALYSIS                          |
| FIGURE 29 KIOXIA HOLDINGS CORPORATION: FINANCIAL OVERVIEW SNAPSHOT              |
| FIGURE 30 KIOXIA HOLDINGS CORPORATION: SWOT ANALYSIS                            |
| FIGURE 31 MICROCHIP TECHNOLOGY, INC.: FINANCIAL OVERVIEW SNAPSHOT               |
| FIGURE 32 MICROCHIP TECHNOLOGY, INC.: SWOT ANALYSIS                             |
| FIGURE 33 ON SEMICONDUCTOR: FINANCIAL OVERVIEW SNAPSHOT                         |
| FIGURE 34 ON SEMICONDUCTOR: SWOT ANALYSIS                                       |
| FIGURE 35 SEAGATE TECHNOLOGY LLC: FINANCIAL OVERVIEW SNAPSHOT                   |
| FIGURE 36 SEAGATE TECHNOLOGY LLC: SWOT ANALYSIS                                 |
| FIGURE 37 TRANSCEND INFORMATION, INC.: FINANCIAL OVERVIEW SNAPSHOT              |
| FIGURE 38 TRANSCEND INFORMATION, INC.: SWOT ANALYSIS                            |
| FIGURE 39 SILICON MOTION TECHNOLOGY CORP.: FINANCIAL OVERVIEW SNAPSHOT          |
| FIGURE 40 VIA TECHNOLOGIES, INC.: FINANCIAL OVERVIEW SNAPSHOT                   |
| FIGURE 41 REALTEK SEMICONDUCTOR CORP.: FINANCIAL OVERVIEW SNAPSHOT              |
| FIGURE 42 MARVELL: FINANCIAL OVERVIEW SNAPSHOT                                  |
| FIGURE 43 WESTERN DIGITAL CORPORATION: FINANCIAL OVERVIEW SNAPSHOT              |
| FIGURE 44 PHISON ELECTRONICS CORPORATION: FINANCIAL OVERVIEW SNAPSHOT           |