

Global Memory Market: Analysis
By Type (DRAM, NAND and
Others), By Demand, By Supply, By
Region Size & Forecast with Impact
Analysis of COVID-19 and Forecast
up to 2028

October 2023



Global Memory Market: Coverage

Executive Summary and Scope

Introduction/Market Overview

Global Market Analysis

Regional Market Analysis

Impact of COVID-19

Dynamics

Competitive Landscape

Company Profiling

Global Memory Market: Coverage

Scope of the Report

Attributes	Details
Title	Global Memory Market: Analysis By Type (DRAM, NAND and Others), By Demand, By Supply, By Region Size & Forecast with Impact Analysis of COVID-19 and Forecast up to 2028
Coverage	Global and Regional
Market Influencing Variables	Growth Drivers, Challenges, Market Trends
Forecast Period of Market	2023-2028
Competition in the Market	Concentrated
Key Players	Samsung Electronics Co., Ltd., Micron Technology, Inc., Infineon Technologies AG, Intel Corporation, Microchip Technology Inc., Macronix International Co. Ltd., SK Hynix Inc., Winbond Electronics Corporation, Nanya Technology Corp, KIOXIA Holdings Corporation, Yangtze Memory Technologies Corp, Integrated Silicon Solution, Inc.

Global Memory Market: Coverage

Executive Summary

Memory is the ability to store and retrieve information when people need it. It is the process by which information is encoded, stored, and retrieved. Memory is also used by a computer's operating system, hardware and software. Global memory market in 2022 was valued at US\$110.16 billion. The market value is expected to reach US\$166.04 billion by 2028, growing at a CAGR of 19.54% during the forecast period of 2023-2028. The memory market had seen decline in 2023 due to inflation and weakening demand in end markets.

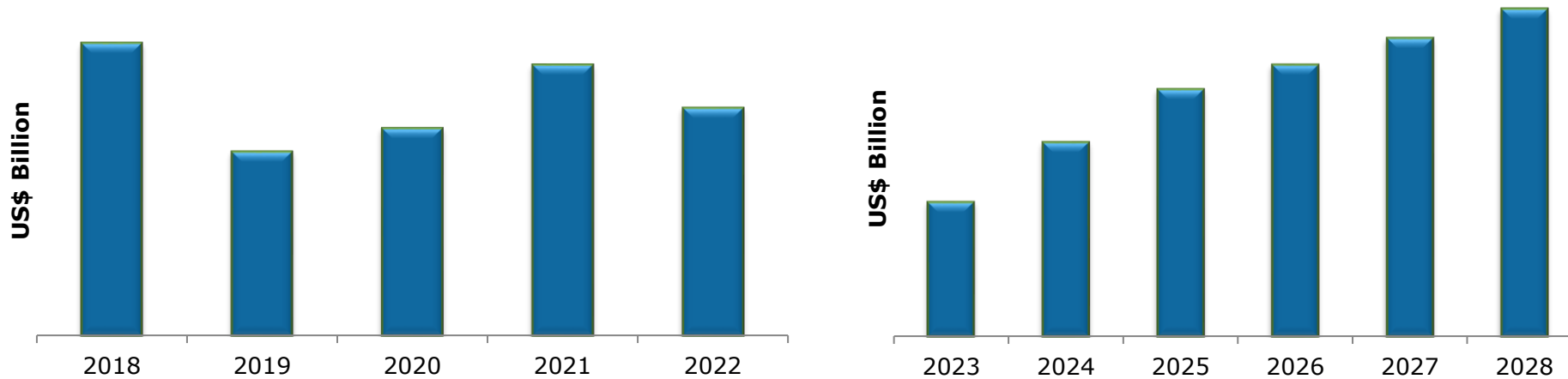
Global memory market can be segmented based on type (DRAM, NAND and Others). DRAM segment held majority of the market share in 2022, as this technology proves indispensable across a multitude of industries and applications, spanning high-performance computing, cloud services, gaming, artificial intelligence, and machine learning. The DRAM memory market is further segmented based on application (Server, Mobile, PC, Others) and similarly NAND market is further segmented based on application (SSD, Smartphones, Tablets, Flash Cards, Others). Asia Pacific dominated the global memory market by occupying majority of the market share.

The COVID-19 had a significant impact on memory market. The market was increased in 2020 due to the increased use of laptops and other devices in work from home, which impacted positively for memory market.

Global memory market has increased in 2022. The projections are made that the market would rise in the next five years i.e. 2023-2028 tremendously. Global memory market is expected to increase due to rising emergence of 5G technology, rising penetration of IOT devices, proliferation of smartphones, increasing use of semiconductor components across various industries, increasing demand for data storage, growing establishment of data centers, rise in gaming & entertainment industry, etc. Yet the market faces some challenges such as cyclical demand, barriers to entry, etc. Moreover, the market growth would succeed to various market trends like, high bandwidth memory TAM, artificial intelligence and machine learning, next-generation memories like MRAM memories, etc.

Memory Market: Global Analysis

Global Memory Market by Value

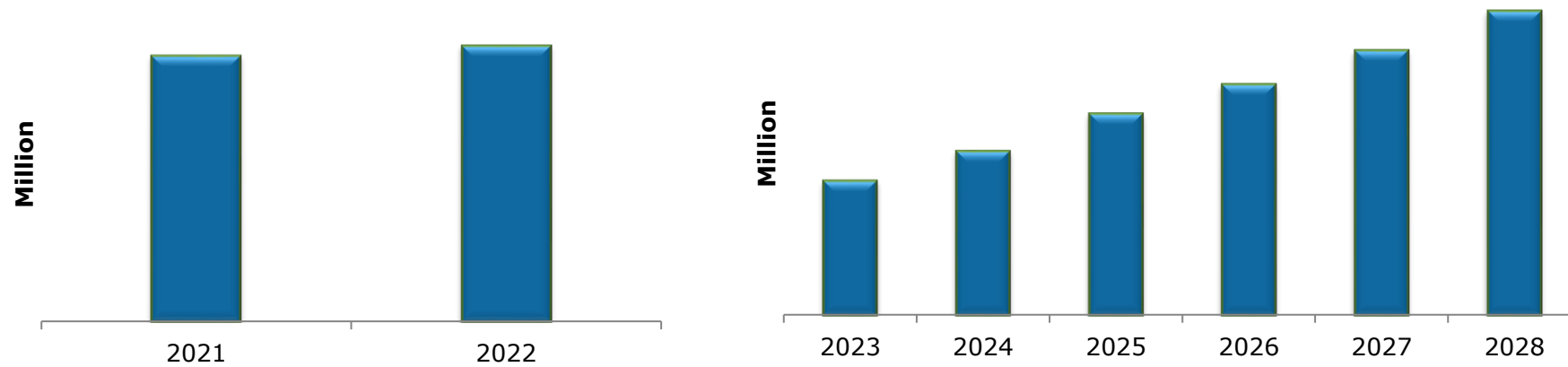


CAGR	
2023-2028	xx%

Global Memory market valued at US\$... billion in 2022, decreased as compared to US\$... billion in 2021. Global Memory market is anticipated to reach up to US\$... billion by 2028, at a CAGR of%, from US\$... billion in 2023.

Memory Market: Global Analysis

Global Memory Market by Supply

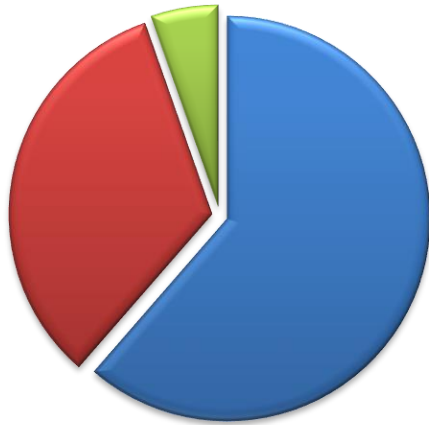


CAGR	
2023-2028	xx%

Global Memory market supply stood at million in 2022, increased as compared to million in 2021. Global Memory market supply is anticipated to reach up to ...million by 2028, at a CAGR of%, from US\$... billion in 2023.

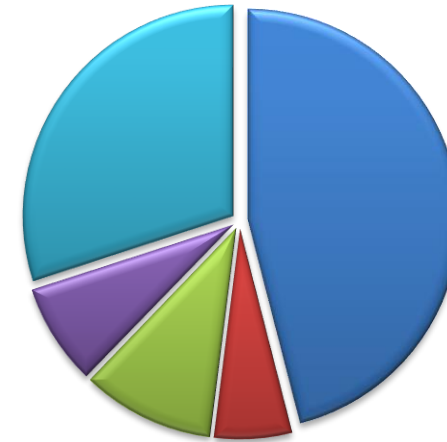
Memory Market: Global Analysis

Global Memory Market by Type; 2022



Type	Share
DRAM	xx%
NAND	xx%
Others	xx%

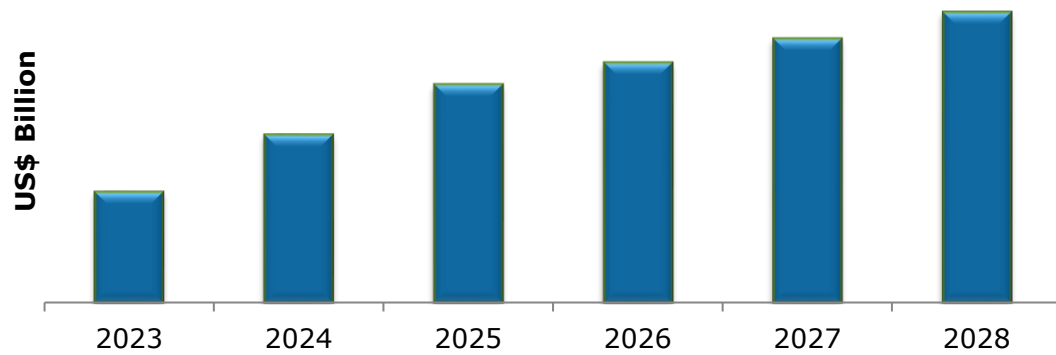
Global Memory Market by Region; 2022



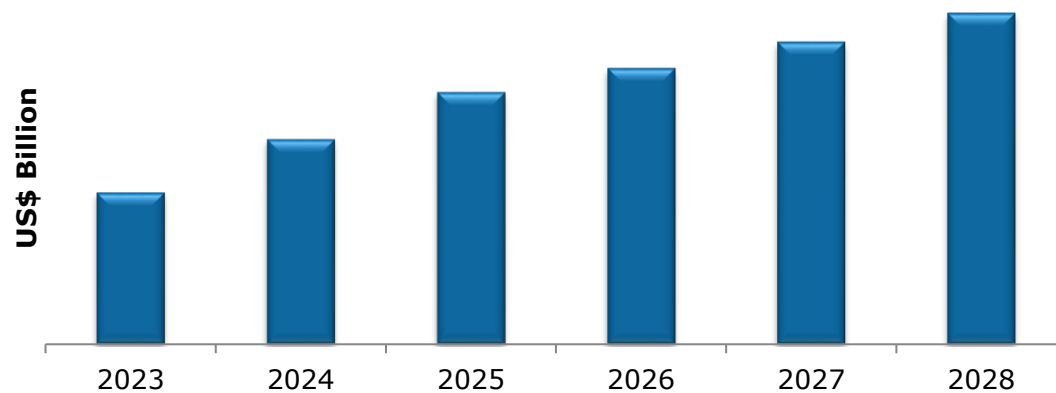
Region	Share
South Korea	xx%
Taiwan	xx%
Japan	xx%
China	xx%
The US	xx%

Global Memory Market: Type Analysis

Global DRAM Market by Value



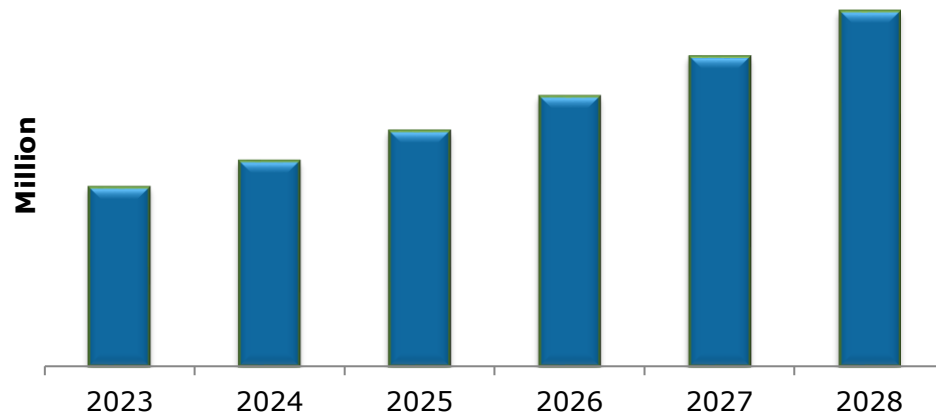
Global NAND Memory Market by Value



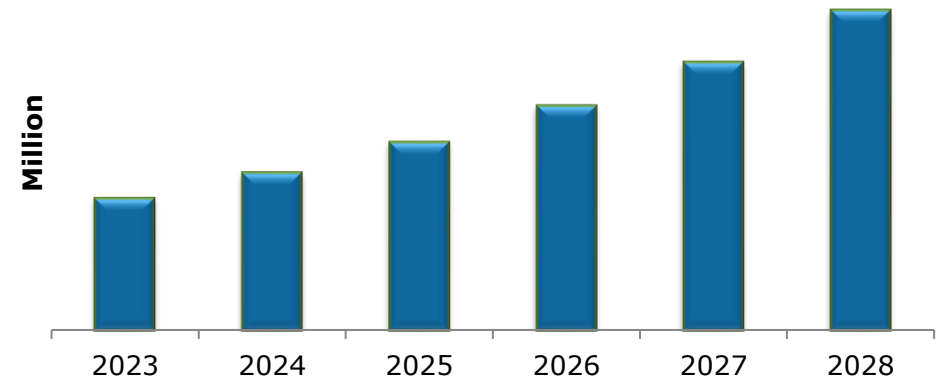
Type	CAGR (2023-2028)
DRAM	xx%
NAND	xx%
Others	xx%

DRAM Market : Global Analysis

Global DRAM Market by Demand



Global DRAM Market by Supply



CAGR

2023-2028

xx%

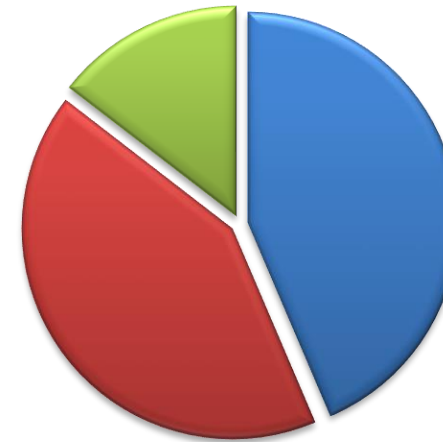
DRAM Market : Global Analysis

Global DRAM Market Demand by Application; 2022



Application	Share	CAGR (2023-2028)
Server	xx%	xx%
Mobile DRAM	xx%	xx%
PC DRAM	xx%	xx%
Others	xx%	xx%

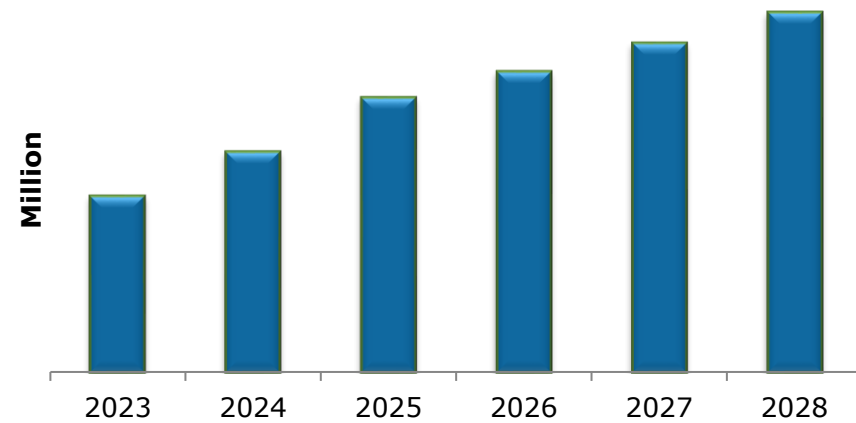
Global PC DRAM Market Demand by Application; 2022



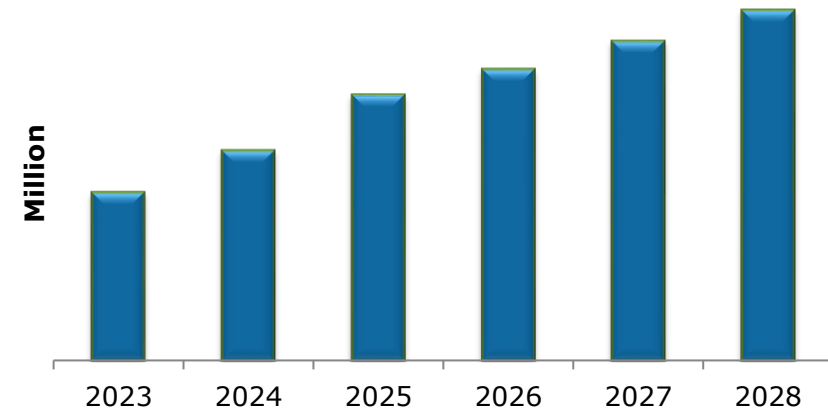
Application	Share
Upgrading & Other Data Processing	xx%
Notebooks	xx%
Desktop	xx%

NAND Memory Market : Global Analysis

Global NAND Memory Market by Demand



Global NAND Memory Market by Supply



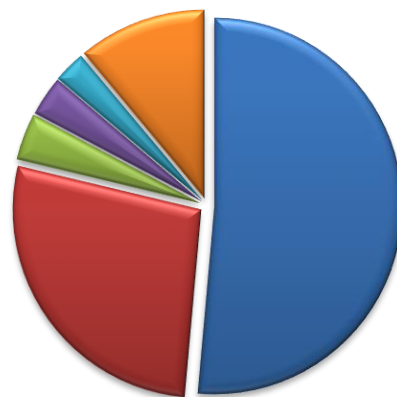
CAGR

2023-2028

xx%

NAND Memory Market : Global Analysis

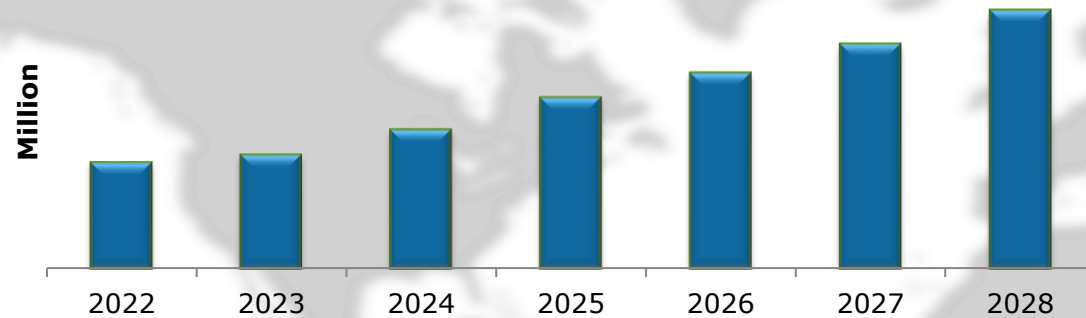
Global NAND Memory Market Demand by Application; 2022



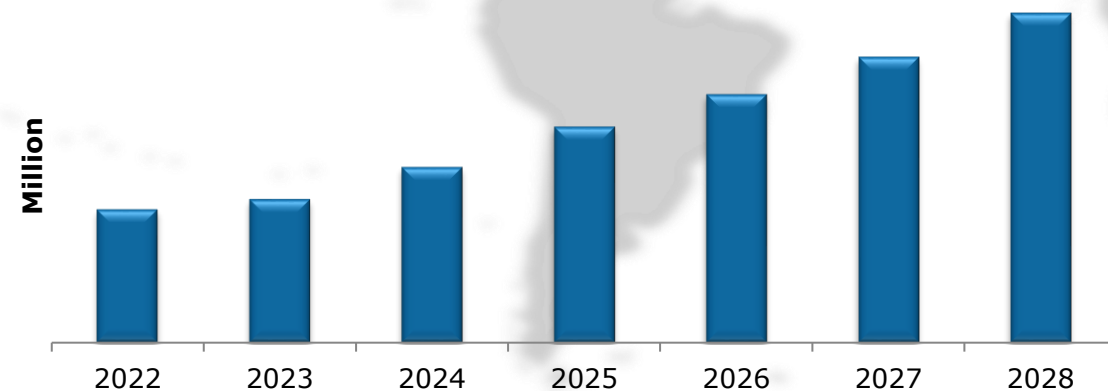
Application	Share	CAGR (2023-2028)
SSD	xx%	xx%
Smartphones	xx%	xx%
Tablets	xx%	xx%
Flash cards	xx%	xx%
USB	xx%	xx%
Others	xx%	xx%

Global Memory Market: Regional Analysis

South Korea Memory Market by Value

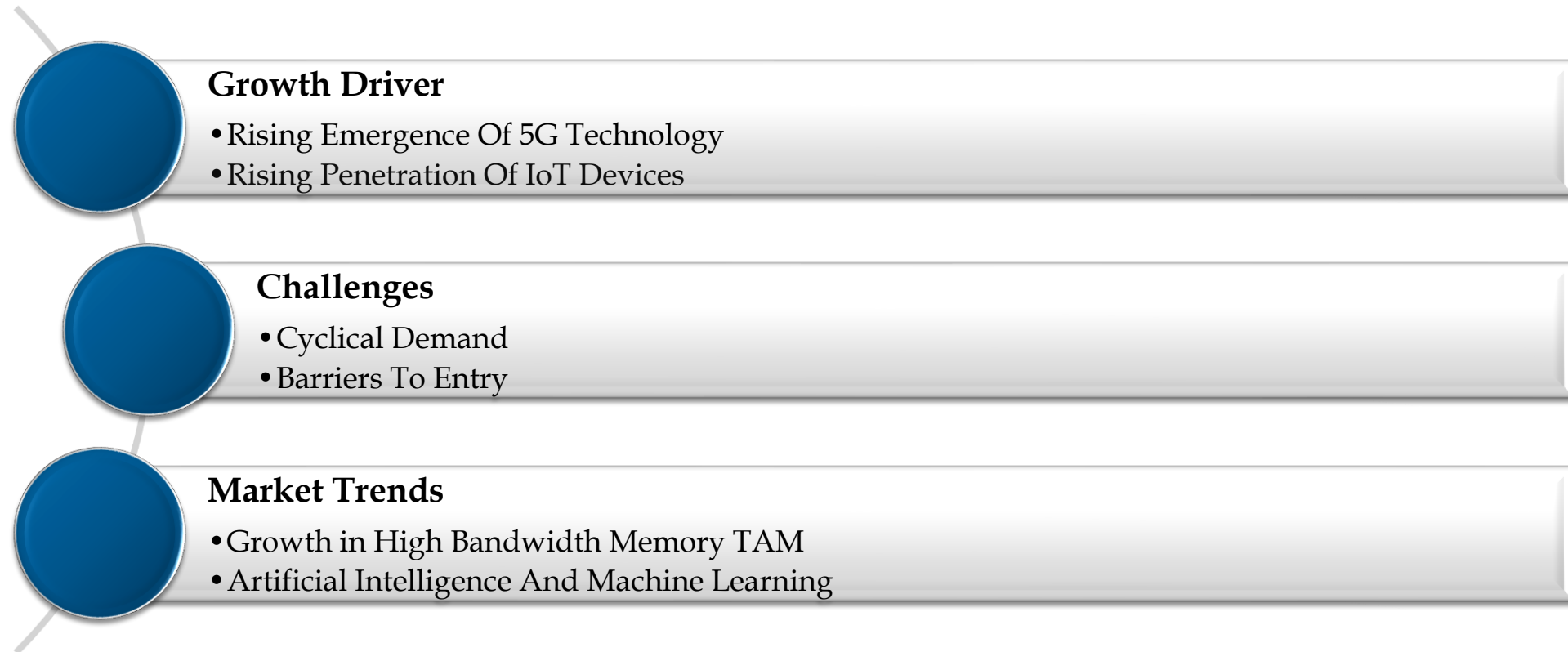


Taiwan Memory Market by Value



Region	CAGR
	(2023-2028)
South Korea	xx%
Taiwan	xx%
Japan	xx%
China	xx%
The US	xx%

Global Memory Market: Dynamics



Global Memory Market: Competitive Landscape

Players Profiled

- Samsung Electronics Co., Ltd.,
- Micron Technology, Inc.,
- Infineon Technologies AG,
- Intel Corporation,
- Microchip Technology Inc.,
- Macronix International Co. Ltd.,
- SK Hynix Inc.,
- Winbond Electronics Corporation,
- Nanya Technology Corp,
- KIOXIA Holdings Corporation,
- Yangtze Memory Technologies Corp,
- Integrated Silicon Solution, Inc.

Global Memory Players By Market Share; 2022

