

North America Semiconductor Memory Market By Type (DRAM, Flash ROM, SRAM, MRAM and Others), By End User (Consumer Electronics, Automotive, Telecom & IT, Aerospace & Defense, Medical, Industrial and Others), By Country, Industry Analysis and Forecast, 2020 - 2026

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Abstracts

The North America Semiconductor Memory Market would witness market growth of 6.8% CAGR during the forecast period (2020-2026).

Semiconductor is extensively used within the aerospace and defense industries and is expected to see a new increase in demand due to the increased space exploration and research expenditures. The semiconductor systems are used among other major applications, for example for power management, RF systems, aerospace, integrated vehicle systems and defense systems. Moreover, the continuously increasing spending on better space exploration and military technology by various government and space agencies is also boosting the demand to improve robust and effective technologies. Semiconductor components can make an impact on the long-term durability of the device in which they are used, resulting in premature failure. Factors influencing long-term durability include high temperatures, metal migration and ionizing radiation. Highly reliable semiconductor components include DC-DC converters, voltage regulators, power transistors, diodes and integrated circuits (ICs). Aerospace & defense is the main end-user market with these components, since devices and equipment used in this field need to be free of all sorts of vulnerabilities.

Evolution in the form of automation and digitization in the entire electronics sector, together with the use of memory-based elements in technologically advanced products in a number of vertical industries, such as automobiles, IT and telecommunications, consumer electronics, etc., are boosting the market growth. The evolving use of

semiconductor components, for example NAND Flash, DRAM, and other in electronic and automotive systems is the main source of demand for integrated gadgets and chips. Automotive frameworks such as automated safety, luxury and control frameworks, which consolidate different storage systems, will enhance the speed and network in the self-regulation and electric vehicle industry. Furthermore, the extensive utilization of cell phones, workstations, smart devices and consumer electronic gadgets around the globe is a sign of the need for exceptionally productive chips.

Based on Type, the market is segmented into DRAM, Flash ROM, SRAM, MRAM and Others. Based on End User, the market is segmented into Consumer Electronics, Automotive, Telecom & IT, Aerospace & Defense, Medical, Industrial and Others. Based on countries, the market is segmented into U.S., Mexico, Canada, and Rest of North America.

The market research report covers the analysis of key stake holders of the market. Key companies profiled in the report include IBM Corporation, Infineon Technologies AG (Cypress Semiconductor Corporation), NXP Semiconductors N.V., Samsung Electronics Co., Ltd. (Samsung Group), Intel Corporation, Fujitsu Limited, Texas Instruments, Inc., Toshiba Corporation (Toshiba Electronic Devices & Storage Corporation), Macronix International Co., Ltd., and Crocus Technology, Inc.

Scope of the Study

Market Segmentation:

By Type

DRAM

Flash ROM

SRAM

MRAM

Others

By End User

Consumer Electronics

Automotive

Telecom & IT

Aerospace & Defense

Medical

Industrial

Others

By Country

US

Canada

Mexico

Rest of North America

Companies Profiled

IBM Corporation

Infineon Technologies AG (Cypress Semiconductor Corporation)

NXP Semiconductors N.V.

Samsung Electronics Co., Ltd. (Samsung Group)

Intel Corporation

Fujitsu Limited

Texas Instruments, Inc.

Toshiba Corporation (Toshiba Electronic Devices & Storage Corporation)

Macronix International Co., Ltd.

Crocus Technology, Inc.

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