

Magneto Resistive RAM (MRAM) Market (By Product: Toggle Magneto Resistive RAM and Second-Generation Magneto Resistive RAM; By Application: Automotive, Enterprise Storage, Consumer Electronics, Robotics, Aerospace & Defense; By Geography: North America, Europe, Asia-Pacific and RoW) Global Scenario, Market Size, Outlook, Trend and Forecast, 2015-2024

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Abstracts

Global Magneto Resistive RAM (MRAM) Market is estimated to reach \$807 million by 2024 with CAGR of 40.9% between 2016 and 2024. Combination of magnetic and electronics have led to the development of spintronics, that has created MRAM memory with characteristics of non-volatile, high density, radiation hardness, high endurance and high speed operations. Magneto Resistive RAM (MRAM) is a non-volatile RAM memory technology that uses magnetic properties to store data. MRAM retains data even if the power goes off and requires only a small amount of electricity to store data. By replacing DRAM with MRAM, would prevent data loss and enable computers instantly, without software to boot up. MRAMs have applications in industrial automation, gaming, communication, and transportation, among others.

Major drivers of the global MRAM market are increasing demand for flexible & wearable electronics from emerging economies, characteristics such as high endurance, high reading and writing capacity, high speed and less electricity consumption of MRAM. Though, high cost associated to manufacturing of these devices may hinder the growth of the market. Furthermore, aerospace, military, cellular stations, smartcards would provide opportunity in the upcoming years.

The MRAM market is segmented based on the product, application and geography. By product, it is further segmented into toggle magneto resistive RAM and second-generation magneto resistive RAM (STT MRAM). Application can be segmented into automotive, enterprise storage, consumer electronics, robotics, aerospace & defense and others.

By geography, the MRAM market is segmented into North America, Europe, Asia-Pacific and Rest of the World (RoW). The U.S., Canada and Mexico are covered under North America wherein Europe covers U.K., Germany, France, Italy and others. Asia-Pacific covers China, Japan, India and others. Rest of the World (RoW) covers South America, Middle East and Africa

Key players of MRAM market include Nippon Electric Company Ltd., Avalanche Technologies, Everspin Technologies Inc., NVE Corporation, Honeywell International Inv., Toshiba, Intel Corp., Samsung Electronics Co. Ltd., Hewlett-Packard Enterprise, Infineon Technologies, and NXP Semiconductors, and among others.

THE KEY TAKEAWAYS FROM THE REPORT

The report will provide detailed analysis of Magneto Resistive RAM (MRAM) Market with respect to major segments such as product and application

The report will include the qualitative and quantitative analysis with market estimation over 2015-2024 and compound annual growth rate (CAGR) between 2016 and 2024

Comprehensive analysis of market dynamics including factors and opportunities will be included in the report

An exhaustive regional analysis of Magneto Resistive RAM (MRAM) market will be provided in the report

Profile of the key players of the Magneto Resistive RAM (MRAM) market, will be provided, which include key financials, product & services, new developments, and business strategies

Scope of Magneto Resistive RAM (MRAM) Market

Product Segments

Toggle Magneto Resistive RAM

Second-Generation Magneto Resistive RAM (STT MRAM)

Application Segments

Automotive

Enterprise Storage

Consumer Electronics

Robotics

Aerospace & Defense

Others

Geography Segments

North America

US

Canada

Mexico

Europe

United Kingdom

Germany

France

Italy

Others

Asia-Pacific

China

Japan

India

Others

RoW

South America

Middle East

Africa

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