

Spintronic Logic Devices Market Trends, Active Key Players, and Growth Projection Up to 2026

Spintronic Logic Devices Market Expected to Reach \$21.89 Billion By 2026

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/EINPresswire.com/ -- The global [spintronic logic devices market](#) is expected to witness considerable growth due to the emerging trend of faster speed and efficient power solutions in electric vehicles and data storage systems. The global spintronic logic devices industry is projected to witness significant growth, especially in emerging economies such as Asia-Pacific and North America, owing to the presence of key spintronics devices players in these regions. The global spintronic logic devices market size was valued at \$2.14 billion in 2018 and is projected to reach \$21.89 billion by 2026, growing at a CAGR of 34.7% from 2019 to 2026.



Spintronic Logic Devices Market

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Growing demand for spintronics in electronics, electric vehicles, and data transfer fuels the Spintronic Logic Devices Market.”

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The Spintronic devices offer the scope of enhanced functionality, higher speed, and reduced power consumption. The spintronic logic devices market holds a substantial scope for growth globally. Currently, it is in its

continuous growing stage. There is an increase in demand for electric two or three-wheelers due to their wide usage in automotive applications. Manufacturers of automotive are incorporating spintronic logic devices in their tools to add additional features and keep ahead of other players in the highly competitive market.

Spintronics has been extensively deployed in data storage devices, due to its faster data transmission capabilities and increased storage capacities, when compared to conventional

storage devices. Digital data couplers using spintronics, which provide high-speed data transfers are used in multiple applications, thereby propelling the market growth.

In addition, the use of spintronics in computers and laptops is a major factor that fuels the growth of the market. The increasing demand for lightweight construction and reduced battery operation space, weight, and power consumption in electric vehicles have driven the adoption of sensors.

Automobile transportation has been witnessing an example of get shift towards electric vehicles for higher fuel efficiency and cleaner running fuel/electric hybrids and plug-in electric vehicles. Moreover, an increase in government support & funding offers huge opportunities for the market in the next six years.

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The Spintronic Logic Devices industry's key market players adopt various strategies such as product launch, product development, collaboration, partnership, and agreements to influence the market. It includes details about the key players in the market's strengths, product portfolio, market size and share analysis, operational results, and market positioning.

Some of the key players in the market are: Infineon Technologies, Applied Spintronic Technology, Inc., Advanced Microsensors, Futek Advanced Sensor Technology Inc., Sensor Technology, Everspin Technologies Inc., Kistler Group, HBM, PCB Piezotronics.

- Infineon Technologies
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- Everspin Technologies Inc.
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- HBM
- PCB Piezotronics

The incorporation of spintronics into any devices increases its functionality, accuracy, and efficiency, increasing its data processing speed, this is the reason which contributes to the spintronic logic devices market growth. Spintronics is considered one of the most important emerging research areas with an immense potential to provide high speed, low power and high-density logic, low threshold current, and high-power lasers.

Based on the spintronic logic devices market analysis, the dynamic metal-based devices segment

generated the highest revenue in 2018, followed by the semiconductor-based devices segment.

By region, the spintronic logic devices market trends are analyzed across North America, Europe, Asia-Pacific, and LAMEA. Europe is expected to witness substantial growth in the global automotive electric vehicle market. This is because of increasing demand for such vehicles in various countries such as Germany and the U.K.

For instance, The Honda Civic Hybrid and Toyota Camry Hybrid are both examples of HEVs. The major factors that affect the adoption rate of spintronic logic devices in North America include Technological advancements, high per capita income, and early introduction to automation.

The inclination toward advanced technological products, increase in investments in the various industry verticals, and growth in R&D facilities are the factors that drive the growth of the LAMEA spintronic logic devices market.

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- By type, the metal-based segment generated the highest revenue in the market in 2018.
- Depending on the application, the data storage segment generated the highest revenue in the market in 2018.
- By region, Asia-Pacific is expected to grow at the highest CAGR of more than 35.0% during the forecast period.

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