Memristor Market - By Applications (Nano Electronics, computer Logics, Computer architectures, and Others); By types (Molecular and Iconic Thin Flir Memristor, Magnetic and Spin based Memristor and Others); By Region - Forecast (2016-2021)

Description: Memristor is an electrical component which regulates the flow of electrical current in a circuit and can remember the amount of charge that has previously flowed through it. Memristors are non-volatile and are important to resist the current variations. They change resistance according to the current variations flowing in them. Memristor is the fourth fundamental circuit element joining the resistor, capacitor and inductor. It maintains relation between time integrals of current and voltage across two terminal elements. It has the potential to enhance several areas of integrated circuit designs and computing. The first memristor was manufactured at HP laboratories. Memristors can be made to perform in an analog manner. In order to provide digital memory, these can be used at their extreme values.

The global Memristors market can be segmented based on applications into Nano Electronic Memories, Computer Logic, Neuromorphic Computer Architecture, Replacement of Transistors, Programmable logic, Signal Processing and so on. Furthermore, the market is also segmented on the type of memristor such as Molecular and iconic thin flir memristor, Magnetic and spin based memristor.

The overall market has also been presented from the perspective of different geographical locations into standard geographic regions and key economies in the market. Competitive landscape for each of the segments is highlighted and market players are profiled with attributes of company overview, financial overview, business strategies, product portfolio and recent developments. The market shares for the key players in 2015 are also provided.

Prominent players in this market include
AMD Inc.
Samsung Electronics co. ltd
IBM Corporation

The report contains the most detailed and in-depth segmentation of the Memristor market.

STAKEHOLDERS
Following are the key stakeholders in the Memristor market:
End-use Industries
Government Organizations
Research institutes and companies
Suppliers

The Memristors market is forecast to grow at a CAGR of XX% and reach $XX million by 2021. Numerous developments taking place with respect to increase of storage through introducing of new products is a key factor for the growth of Memristors market. Its simpler design and computing technology had driven for the growth of the market.

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