Smart Antenna Market Analysis: By Type (Switched Multi-beam Antenna, Adaptive Array Antenna); By Technology (SIMO, MISO, MIMO); By Application (Cellular, Wi-Fi, WiMax, Broadband and Others) - With Forecast (2016-2021)

Description: Smart antenna technology is revolutionizing today's wireless systems and is impacting the use of spectrum, the cost of network setup, service quality and so much more. Smart Antenna systems have the ability to improve the link quality by overcoming the effect of multi-path propagation. They can also reduce the interference and increase the capacity while enabling the transmission of a variety of data streams from dissimilar antennas. Spectral efficiency, higher capacity, extended range and coverage are just some of the benefits that smart antenna systems have to offer. However, factors such as the price of a smart antenna and standardization issues are likely to inhibit the growth of this market for a few years. Technological advances resulting from research work across the globe is expected to address the cost issues impacting the market.

The smart antenna market is expected to grow to approximately $29 billion by the end of the forecast period.

While the adaptive array antenna has and will account for the larger share of the overall market, the switched multibeam antenna is expected to grow at a faster rate owing to the benefits of increased coverage and capacity that it offers. The Smart Antenna market can be segmented on the basis of type

Switched Multibeam Antenna and Adaptive Array Antenna

The Smart Antenna market can be segmented on the basis of technology as

SIMO (Single Input Multiple Output), MISO (Multiple Input Single Output) and MIMO (Multiple Input Multiple Output)

Smart antenna's largest target application market is cellular and this will remain the case throughout the forecast period. In terms of applications, the Smart Antenna market has been segmented across the following

Wi-Fi, Cellular, WiMax, Broadband and Others

The North American market presently accounts for the largest share of the global smart antenna market with Europe coming close in the second position. This distribution of market share across the regions is expected to remain the same throughout the forecast period. The demand for high speed and high quality connectivity in the developed world is a factor attributing to the aforementioned trend. There is also a considerable amount of investment in R&D across North America as well as Europe. The market has been segmented based on the following geographies

North America, South America, APAC, Europe, Middle East and Africa

Following are just a few of the companies that are operating in the smart antenna market.

Texas Instruments, Samsung Electronics Co. Ltd., Broadcom, Intel Corporation and Motorola

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