

Global Smart Antenna Market: Size, Trend, Share, Opportunity Analysis & Forecast, 2014-2025

<https://marketpublishers.com/r/GD5D8855EDAEN.html>

Date: February 2017

Pages: 0

Price: US\$ 3,619.00 (Single User License)

ID: GD5D8855EDAEN

Abstracts

A smart antenna can transmit and/or receive multiple radio frequency (RF) waves, which assists it to increase the speed and accuracy of data transmission. This occurs by use of diversity effect of transmitter and receiver. Smart antennas are applicable in several communication systems such as Internet connections, wireless communications used for long distances, and RADAR communications. In smartphones, these antennas are used to cater to the high-speed data transmission requirements. Global smart antenna market is expected to grow at a CAGR of 7.9% from 2017 to 2025.

Based on type, the market is bifurcated into switched multibeam antenna and adaptive array antenna. The technology segment comprises SIMO, MIMO, and MISO. The application segment is further divided into Wi-Fi systems, WiMax systems, cellular systems, RADAR, and others. By geography, the market is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

MARKET DYNAMICS:

Drivers:

Rise in demand for smartphone antenna in wireless communication

Increase in demand for smart antenna in smartphone

High-speed communication requirement

Restraints:

High manufacturing cost

MARKET PLAYERS:

Top market players profiled in the report are Motorola, Inc. Bell labs, Qualcomm Inc., Philips Semiconductor, Molex, Texas instruments Incorporated, Kyocera Corporation, Intel Corp., Airgo Networks Inc., and Broadcom Corp.

KEY TAKEAWAYS

MARKET LANDSCAPE

By Type

Switched Multibeam Antenna

Adaptive Array Antenna

By Technology

Single Input Multiple Output (SIMO)

Multiple Input Multiple Output (MIMO)

(Multiple Input Single Output (MISO)

By Application

Wi-Fi Systems

WiMax Systems

Cellular Systems

RADAR

Others

By Geography

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia-Pacific

Australia

China

Japan

India

Singapore

Rest of Asia-Pacific

LAMEA

Brazil

Saudi Arabia

Rest of LAMEA

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COMPANIES MENTIONED

Texas instruments Incorporated, Kyocera Corporation, Intel Corp., Airgo Networks Inc., and Broadcom Corp.

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