

# **Internet of Nano Things Market by Communication Type (Short & Long Distance Communication), by Nano Components & Devices (Cameras, Phones, Scalar Sensors, Processors, Memory Cards, Power Systems, Antennas & Transceivers) – Worldwide Forecast & Analysis (2016 - 2020)**

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## **Abstracts**

The interconnectivity of nanoscale devices with deployed Internet networks has become the centre of all business activities; this is described as Internet of Nano Things (IoNT). It is the essence of smart connectivity of devices implemented for communication. It will help in seamless transfer of data among the devices with the help of a given spectrum. The internetwork of devices will change over time, depending upon the technological penetration and acceptance among the end users. This vision and model has been evolving greatly with regard to the number and types of things being connected and the technologies for collecting, processing, and sharing.

The objects can interact anywhere, anytime, can interoperate and collaborate heterogeneous range of entities dynamically. As a result, every element in the value chain needs to undergo a revolutionary change and optimize its operations. The factors which are driving the IoNT market rely on government support and the need for enhancing connectivity and are proving to be beneficial for the market leaders and the industry.

The IoNT market is segmented based on regions, such as North America (NA), Latin America (LA), Europe, Asia-Pacific (APAC), and Middle East and Africa (MEA). The IoNT market forecast is provided for each region from 2016 to 2020. The IoNT market report profiles leading companies such as Alcatel-Lucent S.A. (France), IBM

Corporation (U.S.), Cisco Systems, Inc. (U.S.), Intel Corporation (U.S.), Qualcomm Incorporated (U.S.), Schneider Electric (France), Siemens AG (Germany), Juniper Networks (U.S.), SAP S.E. (Germany), and Gemalto (Netherlands). It is further segmented into communication types, devices components, and verticals and forecasts the revenue for the various submarkets.

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## About

The term 'Internet of Things', from its early introduction in 1990s by Mark Weiser, has evolved greatly, and now has taken the center stage. The potential benefits from technologies associated with the Internet of Things (IoT) lies in the intersection of multiple capabilities.

This report, based on the extensive research study on the Internet of Things market, is aimed at identifying the main application verticals, where the Internet of Things is going to bring about a game-changing revolution in the years to come; particularly in segments such as, building automation, consumer, wearable electronics, industrial, automotive & transportation, and agriculture.

The building automation application comprises markets such as smart HVAC control, lighting control, security & access control, and other IoT-enabled products. Consumer applications cover various consumer-operated electronic devices such as tablets, smartphones, and smart TVs. The segment on wearable electronics covers the entire wearable electronic market, categorized in terms of components; products such as wrist-wear, eye-wear, foot-wear, neck-wear, and body-wear; and applications. The industrial application segment includes smart grid devices and components along with wired and wireless field devices in the industrial network.

The automotive & transportation application segment covers two of the rapidly evolving and emerging Internet of Things applications, namely, connected cars and intelligent transportation system. Agriculture, the final application segment discussed, covers precision farming. Various types of wired and wireless communication technologies, standards and protocols such as ZigBee, Bluetooth, EnOcean, Z-Wave, Wi-Fi, NFC, RFID, DALI, NEMA, KNX, Ethernet have been discussed in this report. The report covers the entire spectrum of the market, along with the sub-segments, through extensive and detailed classifications. This report projects the market size for the Americas, EMEA and APAC, in terms of value. The size of various application- and region-wise markets and submarkets of IoT, in terms of value & volume, is estimated and projected till 2020.

IoT applications such as smart meter, smart plug, connected cars, wearable technology are evolving and will further drive opportunities for Internet of Things. Heavy global R&D Investments and government funding in IoT research projects are driving the growth of the IoT market; especially in the U.K., China, and Japan.

This report profiles all the prominent companies involved in the field of Internet of Things such as ARM Ltd.(U.K.), Texas Instruments Incorporated (U.S.), Nest Labs (U.S.), Rockwell Automation, Inc. (U.S.) Axeda Corporation (U.S.), Cisco Systems, Inc. (U.S.), Dassault Systemes (France), Ecobee Inc. (Canada), Intel Corporation (U.S.), Fujitsu Ltd. (Japan), and GainSpan Corporation (U.S.).

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