

Smart Homes Market by Product (Energy Management System, Security & Access Control, Entertainment Control, and HVAC Control), Protocol and Technology (Protocol, Cellular Technology, and Communication Technology), Service (Installation, and Customization), and Geography (North America, Europe, APAC, and ROW) - Trend and Forecast to 2020

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Abstracts

Smart homes refer to a residence equipped with computing and information technology devices that anticipate and respond to the needs of the residents; thus, working towards enhancing their comfort, convenience, security, and entertainment through the automation of technology within a home. Smart homes have already started attracting stakeholders in the market including architects, developers, service providers, and device manufacturers. The possibility of reduction in the prices of smart homes is driven by scale of economies and expected adoption of the technology is the key to the market's growth in the future. Stakeholders are keen for developing versatile and widely accepted standards in smart homes. Regardless of the technology and cost of ownership, the operating & maintenance cost, complex installation, user awareness, ability to link disparate systems, Internet security, and demand for housing are some of the challenges in front of players in the smart home market. However, this market is expected to grow at a decent pace in the coming years.

KEY TAKE-AWAYS

Analysis of the smart homes market with high-growth sub-segments such as

security & access control, energy management system, HVAC control, entertainment control. The impact analysis of market dynamics that describe the factors currently driving and restraining growth of the market; along with future trends observed in the smart home market

Investment strategies based on market growth forecasts & key growth strategies for companies in the smart homes market, detailed through analysis of the competitive landscape

The Porter's Five Forces framework has been applied and explained in detail along with, the value chain analysis for the smart homes market. Illustrative segmentation, analysis, and forecast of major geographic markets has been done to give an overall view of the smart homes market

The competitive landscape has been detailed, by identifying key players along with an in-depth market share analysis with individual revenue and market share

The global smart homes market is expected to grow at a CAGR of 17.00% over the forecast period between 2015 and 2020. North America will lead the chart and is the birthplace for various industry majors. The North American market is driven by gaining traction for safety, peace of mind, increased awareness and better product offerings. Benefits of smart homes can only be realized if the technology becomes affordable for common people and accessible to those for whom it is essential. However, this is likely to happen if a broader consumer market gets traction by pushing down prices and creating more awareness. In this report, market size and estimates of the smart home market have been provided along with its various applications and global industry trends. A geographic split of each submarket is also highlighted in this report. The report profiles prominent market players in the global smart homes market, with their respective market share analysis. Some of the key players are Schneider Electric (France), Legrand SA (France), ABB Ltd. (Switzerland), Siemens AG (Germany), and Ingersoll-Rand Plc. (Ireland).

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About

Smart homes have been introduced with a view to save energy, and at the same time, make life easier and luxurious. Smart homes include automated devices which can be handled remotely; for example, the lights and washing machine can be switched ON or OFF from a remote location. The owner can keep a check on visitors and, thus, safeguard the home.

The smart homes market has grown considerably due to technology developments. Technology has transformed retro homes with manual devices, such as basic television sets (without

remote control) and the likes, into semi modern homes with non-intelligent remote control devices; and furthermore, to automated homes with minimal user interface (not necessarily smart homes), and ultimately to smart homes that barely need human resources to operate. The information technology revolution which facilitated integration and centralized control has also boosted the smart homes market. With such innovations, features such as lighting, HVAC, security, and entertainment can be accessed with a single remote control, mobile phone or via the Internet. Presently, on the basis of functionality, smart homes may be classified into four hierarchical types:

Basic smart homes that have single standalone applications and objects that function in an intelligent manner.

A little more advanced smart homes, wherein the devices exchange information for better functionality.

More advanced connected homes that consist of systems with internal and external networks that allow interactive, remote control of systems; and access to information, both, within and beyond the home.

Very advanced learning and attentive smart homes that are also gaining a lot of popularity. Learning and attentive homes consist of systems that record patterns of activity; and function accordingly. For example, turning lights ON when an individual enters the room.

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