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Global KNX Home Automation Market Growth (Status and Outlook) 2026-2032

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Abstracts

The global KNX Home Automation market size is predicted to grow from US$ 9519 million in 2025 to US$ 20931 million in 2032; it is expected to grow at a CAGR of 11.7% from 2026 to 2032.

KNX Products (Konnex) is the worldwide standard for home and building control. The standard is based on the communication stack of EIB but enlarged with the physical layers, configuration modes and application experience of BatiBUS and EHS. KNX Products defines several physical communication media: Twisted pair wiring (inherited from the BatiBUS and EIB Instabus standards); Powerline networking (inherited from EIB and EHS - similar to that used by X10); Radio (KNX Products-RF); Infrared; Ethernet (also known as EIBnet/IP or KNX Productsnet/IP). The most common form of installation is over twisted pair medium. KNX is technology which controls the automation of integral functions of any residential, commercial or industrial building such as HVAC, lighting systems, multimedia, security, energy management and more.

KNX combines all main building functions like lighting, heating, air-conditioning or shading into one intelligent system, which helps to lower operational costs resulting in considerable energy savings, to save installation time as well as to increase flexibility and adaptability to future developments.

KNX Home Automation includes not only KNX products, but also a large number of services. Services play an important role in the design, installation, commissioning, and maintenance of the KNX system. These services ensure the effective operation of the system and the realization of customized solutions, making the KNX system not only a collection of devices, but also a comprehensive smart home solution with complete functions.

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KNX is an international standard smart home automation system that is widely used in residential, commercial buildings and industrial facilities. It connects and controls various smart devices such as lighting systems, heating and air conditioning, security equipment, curtain control, etc. through an open and interoperable communication protocol. The core advantage of the KNX system lies in its highly flexible scalability and modular design, which allows users to easily add or adjust functions as needed without complicated rewiring. It supports wired and wireless communication methods and can be seamlessly integrated with a variety of devices to achieve intelligent interconnection between different brands and different devices. In addition, the KNX system also has energy efficiency management functions, which improves the environmental protection and economy of homes or buildings by intelligently adjusting energy consumption. Users can remotely control home devices through mobile devices or control panels and enjoy a more convenient, safe and energy-saving lifestyle. Due to its global standardization, the KNX system has a wide range of applications in the international market and is suitable for smart home or smart building projects of various sizes.

The global key manufacturers of KNX Home Automation include Schneider Electric, ABB, SIEMENS, Hager (Berker), Legrand, etc. In 2023, the global top five players had a share approximately 26.0% in terms of revenue.In terms of product application, Residential Building is the largest application, hold a share of 53.3%.

Manufacturers in the KNX home automation industry should ensure that their products strictly follow the KNX protocol standards, improve the compatibility and interoperability of their devices, and actively promote technological innovation, integrating cutting-edge technologies such as AI and the Internet of Things into their products. Manufacturers should also focus on user experience, develop easy-to-use operating interfaces, and provide energy-saving and environmentally friendly smart solutions. In addition, global market expansion, localized support, and security and privacy protection are also crucial. By strengthening partnerships and providing professional training, a complete ecosystem can be built to meet the diverse needs of users. Only in this way can manufacturers in the KNX home automation industry stand out in the fierce market competition.

This report presents a comprehensive overview, market shares, and growth opportunities of KNX Home Automation market by product type, application, key players and key regions and countries.

Segmentation by Type:

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Energy Management

HVAC Systems

Blinds & Shutters

Metering

Remote Control

Monitoring Systems

Fire & Smoke Detection

White Goods

Lighting

Other

Segmentation by Device Type:

Input Devices

Execution Devices

System-Level Devices

Segmentation by Level of Intelligence:

Basic Version

Advanced Version

Segmentation by Application:

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Commercial Building

Residential Building

Others

This report also splits the market by region:

United States

China%li%

Europe

Other regions

Japan

South Korea

Southeast Asia

Rest of world

The report also presents the market competition landscape and a corresponding detailed analysis of the major players in the market. The key players covered in this report:

Schneider Electric

ABB

SIEMENS

Hager (Berker)

Legrand

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Somfy

JUNG

GIRA

HDL

STEINEL

Urmet

GVS

B.E.G.

DALITEK

JOBO Smartech

Tiansu

Theben AG

Rishun Technology

MDT

Basalte

Zennio

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