

# KSA IoT Market by Hardware (Modules/Sensors, Security Hardware), Connectivity (Cellular, LPWAN, Satellite), Software (IoT Platforms, Application Software, Analytics Software, Security & Safety Software) - Forecast to 2031

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## Abstracts

The KSA IoT market is projected to grow from USD 3.06 billion in 2026 to USD 4.33 billion by 2031 at a CAGR of 7.2% from 2026 to 2031. The rapid expansion of 5G networks and strong government initiatives like Vision 2030 are key drivers accelerating IoT adoption across the country. Industries are increasingly shifting toward connected systems to enable real-time monitoring, automation, and data-driven decision-making. Sectors such as smart cities, oil & gas, healthcare, and logistics are integrating IoT to improve operational efficiency and reduce costs. This transformation is further supported by the growing use of cloud platforms and advanced analytics, which allow seamless data collection, processing, and scalability. Together, these factors are driving demand for IoT solutions that enable connectivity, efficiency, and intelligent operations across KSA's digital ecosystem.

**“The services segment is projected to register the highest CAGR during the forecast period.”**

By module type, the services segment is projected to register the highest CAGR during the forecast period due to the increasing need for end-to-end support in IoT ecosystems. As organizations adopt IoT solutions, they require services such as consulting, system integration, deployment, maintenance, and managed services to ensure smooth implementation and operation. The growing complexity of IoT infrastructure, including device connectivity, data management, and security, is driving the demand for specialized service providers. Additionally, businesses are focusing

more on outsourcing these functions to reduce costs and improve efficiency, further accelerating the growth of this segment. The continuous need for upgrades, real-time monitoring, and technical support also contributes to the rapid expansion of IoT services, making it the fastest-growing segment during the forecast period.

**“The other hardware segment is estimated to account for the largest market share during the forecast period.”**

By hardware, the other hardware segment is expected to account for the largest share of the KSA IoT market during the forecast period, as organizations increasingly adopt a wide range of supporting devices beyond core modules and sensors. Rather than relying solely on basic components, businesses are investing in hardware such as gateways, routers, edge devices, and embedded systems that enable seamless connectivity, data processing, and system integration. These components play a critical role in ensuring efficient communication between devices and platforms, while also supporting real-time data transfer and analytics. As IoT deployments expand across industries such as smart cities, healthcare, manufacturing, and education, the demand for reliable and scalable hardware infrastructure is growing significantly. Organizations are favoring comprehensive hardware ecosystems that simplify deployment, enhance system performance, and improve operational continuity. Additionally, the need for secure data transmission and edge computing capabilities is further driving the adoption of advanced hardware solutions. This increasing reliance on diverse and integrated hardware components is contributing to the dominance of the other hardware segment in the market.

### **Breakdown of primaries**

The study contains insights from various industry experts, from solution vendors to Tier 1 companies. The break-up of the primaries is as follows:

By Company Type: Tier 1 – 30%, Tier 2 – 45%, and Tier 3 – 25%

By Designation: C-level –35%, D-level – 30%, and Managers – 35%

The major players in the KSA IoT are STC (Saudi Arabia), Microsoft (US) Huawei Technologies Co. (China), Amazon Web Services (US), Cisco Systems (US), Intel Corporation (US), Qualcomm Technologies (US), Texas Instruments Incorporated (US), STMicroelectronics (Switzerland), Microchip Technology Inc. (US), NXP

Semiconductors (Netherlands), Hewlett Packard Enterprise Development LP (US), TE Connectivity (Switzerland), Advantech Co. (Taiwan), Dell Inc. (US), Siemens (Germany), Helium (US), Bosch Sensortec GmbH (Germany), TDK Corporation (Japan), Infineon Technologies AG (Germany), Analog Devices (US), OMRON Corporation (Japan), Honeywell International Inc. (US), Knowles Electronics (US), ABB (Switzerland), Sensata Technologies (US), Emerson Electric Co. (US), IBM (US), Oracle (US), Fortinet (US), Rockwell Automation (US), Samsung (South Korea), General Electric Company (US), Schneider Electric (France), Hitachi (Japan), Software GmbH (Germany), Sigfox (France), Telefonaktiebolaget LM Ericsson (Sweden), ZAIN (Kuwait), Disrupt-X (UAE), LTS Connecting Things (Saudi Arabia), WakeCap (Saudi Arabia), Mobily (Saudi Arabia), OQ Technologies (Luxembourg), and Myriota (Australia). These players have adopted various growth strategies, such as partnerships, agreements and collaborations, new product launches, product enhancements, and acquisitions, to expand their market footprint.

## **Research Coverage**

The market study covers the KSA IoT market size across different segments. It aims to estimate the market size and the growth potential across various segments, including module type, hardware, connectivity, service, and focus area. The study includes an in-depth competitive analysis of the leading market players, their company profiles, key observations related to product and business offerings, recent developments, and market strategies.

## **Key Benefits of Buying the Report**

The report will help the market leaders/new entrants with information on the closest approximations of the KSA IoT market's revenue numbers and subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and plan suitable go-to-market strategies. Moreover, the report will provide insights for stakeholders to understand the market's pulse and provide them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

Analysis of key drivers (Vision 2030-led national programs and heavy public digital budgets, Expanding 5G coverage and high smartphone penetration), restraints (Regional wars and maritime corridor disruptions, Data security and privacy concerns),

opportunities (Public-private partnerships and sovereign funding under national transformation plans, Smart manufacturing growth), and challenges (Rising cyber threats and weak device security, Interoperability issues with legacy systems) influencing the growth of the KSA IoT market.

**Product Development/Innovation:** Detailed insights on upcoming technologies, research and development activities, and new product and service launches in the KSA IoT market.

**Market Development:** Comprehensive information about lucrative markets – the report analyses various KSA IoT markets.

**Market Diversification:** Exhaustive information about new products and services, untapped geographies, recent developments, and investments in the KSA IoT market.

**Competitive Assessment:** In-depth assessment of market shares, growth strategies, and service offerings of leading players like STC (Saudi Arabia), Microsoft (US) Huawei Technologies Co. (China), Amazon Web Services (US), Cisco Systems (US), Intel Corporation (US), Qualcomm Technologies (US), Texas Instruments Incorporated (US), STMicroelectronics (Switzerland), Microchip Technology Inc. (US), NXP Semiconductors (Netherlands), Hewlett Packard Enterprise Development LP (US), TE Connectivity (Switzerland), Advantech Co. (Taiwan), Dell Inc. (US), Siemens (Germany), Helium (US), Bosch Sensortec GmbH (Germany), TDK Corporation (Japan), Infineon Technologies AG (Germany), Analog Devices (US), OMRON Corporation (Japan), Honeywell International Inc. (US), Knowles Electronics (US), ABB (Switzerland), Sensata Technologies (US), Emerson Electric Co. (US), IBM (US), Oracle (US), Fortinet (US), Rockwell Automation (US), Samsung (South Korea), General Electric Company (US), Schneider Electric (France), Hitachi (Japan), Software GmbH (Germany), Sigfox (France), Telefonaktiebolaget LM Ericsson (Sweden), ZAIN (Kuwait), Disrupt-X (UAE), LTS Connecting Things (Saudi Arabia), WakeCap (Saudi Arabia), Mobily (Saudi Arabia), OQ Technologies (Luxembourg), and Myriota (Australia).

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