

## **IoT Insurance Market Size, Share, Trends, and Forecast by Insurance Type, Component, Application, and Region, 2025-2033**

Market Report | 2025-04-01 | 150 pages | IMARC Group

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### **Report description:**

The global IoT insurance market size was valued at USD 48.3 Billion in 2024. Looking forward, IMARC Group estimates the market to reach USD 483.2 Billion by 2033, exhibiting a CAGR of 29.2% during 2025-2033. North America currently dominates the market, holding a significant market share of over 36.7% in 2024, driven by telematics adoption, AI-driven risk assessment, smart home monitoring, and strong regulatory support for digital insurance solutions.

#### **IoT Insurance Market Analysis:**

**Market Growth and Size:** The IoT insurance market is experiencing robust growth globally, driven by the increasing adoption of IoT technology in various industries. Furthermore, it is expected to continue expanding as IoT devices become more prevalent and insurers leverage real-time data for personalized coverage.

**Technological Advancements:** The development of more sophisticated IoT devices and advanced data analytics tools is allowing insurers to collect, analyze, and utilize data in real-time, leading to more accurate risk assessment and enhanced customer experiences.

**Industry Applications:** IoT insurance applications span diverse sectors, such as automotive, transportation, life and health, property and casualty, business, and agriculture for improving safety, efficiency, and the customization of insurance products.

**Geographical Trends:** North America exhibits a clear dominance in IoT insurance adoption, with established markets and regulatory support. In addition, emerging regions like Latin America and Asia Pacific are gradually adopting IoT insurance, driven by increased awareness of its benefits.

**Competitive Landscape:** Key players in the IoT insurance market are actively exploring innovative solutions, collaborating with IoT device manufacturers, and expanding service portfolios. This dynamic approach positions them as thought leaders in the insurance industry.

**Challenges and Opportunities:** The increasing data security and privacy concerns, regulatory complexities, and the need for robust infrastructure are the major challenges of the market. Moreover, the integration of IoT data to create innovative insurance products, streamline claims processing, and enhance risk management is offering a favorable market outlook.

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Future Outlook: The future of IoT insurance looks promising, with continued growth and adoption across industries. Furthermore, several insurers are continuously focusing on enhancing customer engagement and offering more personalized coverage through IoT technology.

#### IoT Insurance Market Trends:

##### Focus On Risk Mitigation

The increasing focus on risk mitigation through data analytics represents one of the primary factors contributing to the growth of the market. IoT devices, such as connected vehicles, wearable fitness trackers, and smart home sensors, generate a wealth of data that insurers can leverage to assess and manage risks effectively. Additionally, it allows insurance companies to gain deeper insights into customer behavior, driving habits, and lifestyle choices by collecting and analyzing real-time data from these devices. This data-driven approach allows insurers to price policies more accurately, offer personalized coverage, and incentivize policyholders to adopt safer practices. IoT devices in automobiles track and monitor driving behavior, including speed, acceleration, and braking patterns. Insurers can use this data to reward safe drivers with lower premiums, thereby attracting a larger customer base. Moreover, insurers can identify risky behaviors and offer guidance or incentives to policyholders to improve their habits, reducing the likelihood of accidents and claims.

##### Expansion Beyond Traditional Insurance Lines

The emergence of the Internet of Things (IoT) in agriculture insurance is favoring the market growth. IoT devices, such as soil sensors, weather stations, and GPS trackers, are widely used to collect data on crop conditions, weather patterns, and equipment performance. Insurers can use this data to offer specialized policies that cover farmers against risks like droughts, floods, or equipment breakdowns. In addition, the increasing use of IoT devices by businesses to monitor the condition of their assets, such as machinery, vehicles, and inventory is offering a favorable market outlook. Insurers can offer policies that protect these assets against damage, theft, or downtime. Furthermore, insurers can help businesses optimize their operations and reduce risks by analyzing the data generated by devices. Furthermore, IoT is supporting the development of innovative insurance products in the healthcare sector. Insurers can partner with healthcare providers to offer policies that reward policyholders for maintaining a healthy lifestyle. Moreover, wearable devices and health apps can track exercise, diet, and sleep patterns, allowing insurers to offer incentives such as premium discounts or wellness rewards.

##### Telematics in Automobile Insurance

The advent of telematics technology is influencing the growth of IoT insurance, particularly in the automobile insurance sector. Telematics devices, often installed in vehicles, collect data on driving behavior and vehicle performance. This data is transmitted to insurers, allowing them to assess risk and provide feedback to policyholders. Additionally, telematics can monitor factors like speeding, harsh braking, and acceleration patterns, helping insurers identify risky behaviors. Furthermore, telematics can be used in the event of an accident to provide valuable information about the circumstances leading up to the crash. This data can expedite claims processing and help insurers better understand accident causation, leading to more accurate claims assessments. Insurers can quickly determine the cause of the accident, assess liability, and expedite payments to policyholders. Additionally, this data can be used to reconstruct accidents accurately, providing valuable insights for accident investigation and claims assessment. Moreover, by analyzing the data from telematics devices, insurers can determine whether the behavior of the policyholder contributed to the accident.

#### IoT Insurance Industry Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global IoT insurance market, along with forecast at the global, regional, and country levels from 2025-2033. The market has been categorized based on insurance type, component, and application.

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Breakup by Insurance Type:

- Life and Health Insurance
- Property and Casualty Insurance
- Others

Property and casualty insurance accounts for the majority of the market share

The report has provided a detailed breakup and analysis of the market based on the insurance type. This includes life and health insurance, property and casualty insurance, and others. According to the report, property and casualty insurance represented the largest segment.

IoT technology is improving life and health insurance by promoting proactive health monitoring. Wearables and connected health devices collect real-time data on vital signs, fitness levels, and health habits of policyholders. This data allows insurers to offer personalized policies, incentivizing healthier lifestyles through discounts and rewards. Additionally, IoT-enabled telemedicine and remote patient monitoring improve healthcare access and reduce costs. Life and health insurance supported by IoT enhances overall well-being and provides financial security for policyholders.

IoT technology primarily focuses on risk mitigation and claims management. Smart sensors and devices installed in homes, vehicles, and commercial properties monitor environmental conditions, security, and safety. Insurers use this data to assess and mitigate risks proactively, leading to fewer accidents and losses. Additionally, in the event of a claim, IoT data expedites the claims process, as insurers have real-time information on the incident. Property and casualty insurance enhanced by IoT reduces risks, minimizes losses, and improves customer satisfaction.

Breakup by Component:

- Solution
- Service

Solution holds the largest share in the industry

A detailed breakup and analysis of the market based on the component have also been provided in the report. This includes solution and service. According to the report, solution accounted for the largest market share.

IoT insurance solutions encompass the technology and software that enable data collection, analysis, and utilization. These solutions include IoT devices, data analytics platforms, and software applications. Insurers use IoT solutions to gather real-time data from various sources such as telematics devices, wearables, and sensors. This data aids in risk assessment, policy customization, and claims processing. IoT solutions empower insurers to offer innovative, data-driven insurance products and enhance customer experiences through personalized coverage and proactive risk management.

IoT insurance services complement the technological components by providing expertise, support, and consulting. These services encompass data analysis, risk assessment, policy design, and customer support. Insurance companies often partner with IoT service providers to harness the full potential of IoT technology. Additionally, service providers assist in addressing challenges related to data security and compliance, further enhancing the value of IoT in insurance.

Breakup by Application:

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- Automotive, Transportation and Logistics
- Life and Health
- Commercial and Residential Buildings
- Business and Enterprise
- Agriculture
- Others

Automotive, transportation and logistics represent the leading market segment

The report has provided a detailed breakup and analysis of the market based on the application. This includes automotive, transportation and logistics, life and health, commercial and residential buildings, business and enterprise, agriculture, and others. According to the report, automotive, transportation and logistics hold the largest market share.

IoT insurance services are widely used in the transportation and logistics sector to streamline fleet management. Devices in vehicles monitor routes, driver behavior, and cargo conditions. Insurers can assess risk accurately, improve efficiency, and ensure cargo integrity, benefiting both companies and their insurers. IoT insurance finds extensive applications in the automotive sector and revolves around telematics. These systems monitor driving behavior, offering real-time data on speed, braking, and location. Insurers use this data to customize policies, encourage safe driving, and reduce premiums for responsible drivers.

IoT-enabled wearables and health devices play a vital role in life and health insurance. These devices track vital signs and health habits, allowing insurers to offer personalized policies. Customers benefit from healthier lifestyles, potentially leading to lower premiums and better overall well-being.

IoT insurance services designed for commercial and residential buildings focus on property protection. Smart sensors detect hazards like fires, leaks, or break-ins, providing real-time alerts to insurers and property owners. This proactive approach minimizes risks and potential damage.

IoT insurance for businesses and enterprises enhance risk management. Insurers can gain insights into potential business disruptions and offer coverage tailored to specific operational needs, ensuring continuity and mitigating financial loss.

IoT insurance in the agriculture sector to optimize crop and livestock coverage. Sensors monitor soil conditions, weather patterns, and animal health. Insurers can predict and mitigate risks like drought or disease outbreaks, supporting sustainable farming practices.

Breakup by Region:

- North America
- United States
- Canada
- Asia-Pacific
- China
- Japan
- India
- South Korea
- Australia
- Indonesia
- Others
- Europe

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- Germany
- France
- United Kingdom
- Italy
- Spain
- Russia
- Others
- Latin America
- Brazil
- Mexico
- Others
- Middle East and Africa

North America leads the market, accounting for the largest IoT insurance market share

The market research report has also provided a comprehensive analysis of all the major regional markets, which include North America (the United States and Canada); Asia-Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Latin America (Brazil, Mexico, and others); and the Middle East and Africa. According to the report, North America accounted for the largest market share.

North America holds a prominent position in the IoT insurance market. The United States, in particular, is a major contributor, with numerous insurance providers adopting IoT technology. The region benefits from a mature insurance sector and advanced IoT infrastructure. Insurers here leverage IoT devices for telematics-based auto insurance and property monitoring. The customer demand for personalized policies and risk mitigation drives innovation in the IoT insurance sector.

Europe is a diverse IoT insurance market with a strong presence in countries like Germany, France, and the United Kingdom. IoT adoption varies across nations, but it is gaining traction. Telematics-based auto insurance is popular, especially in Germany. European insurers are also exploring IoT solutions for home and health insurance. The European market is characterized by regulatory complexities, but it fosters innovation and competition.

The Asia Pacific region is a burgeoning IoT insurance market, led by China, Japan, and India. Rapid urbanization, increased vehicle ownership, and the growing middle-class population drive demand for IoT-based insurance solutions. Chinese insurers, in particular, have embraced IoT for various insurance products. Japan is a pioneer in IoT adoption for elderly care and health insurance.

Latin America is witnessing a gradual adoption of IoT insurance, with Brazil and Mexico at the forefront. The development of auto insurance with telematics is driving the need for risk assessment and cost savings. In addition, high accident rates and road safety challenges in these countries make accurate risk assessment crucial. Telematics data helps insurers identify and reward safer drivers, contributing to safer roads.

The Middle East and Africa are emerging markets for IoT insurance. South Africa is notable for its efforts in adopting telematics-based auto insurance. The region faces infrastructure challenges but is gradually embracing IoT technology for insurance applications, driven by the need for risk management and cost-effective solutions.

**Leading Key Players in the IoT Insurance Industry:**

The key players in the market are continuously adapting and innovating to stay ahead in this dynamic industry. Additionally, they are increasingly integrating IoT devices, such as smart sensors and telematics, into insurance offerings. These devices collect

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real-time data on the behavior of policyholders, enabling insurers to offer more personalized and risk-based pricing. Along with this, IoT insurance providers are actively working on expanding their service portfolios and are venturing into areas like cybersecurity insurance, where IoT devices can help identify and mitigate risks related to data breaches and cyberattacks. Furthermore, they are forming partnerships with IoT device manufacturers and data analytics firms to allow insurers to access a wider pool of data, leading to better risk assessment and improved customer services.

The market research report has provided a comprehensive analysis of the competitive landscape. Detailed profiles of all major companies have also been provided. Some of the key players in the market include:

- Accenture plc
- Allerin
- Capgemini SE
- Cognizant
- Concurren
- Intel Corporation
- International Business Machines Corporation
- Microsoft Corporation
- Sas Institute Inc.
- Telit
- Verisk Analytics Inc.
- Wipro Limited

#### Key Questions Answered in This Report

- 1.How big is the IoT insurance market?
- 2.What is the future outlook of IoT insurance market?
- 3.What are the key factors driving the IoT insurance market?
- 4.Which region accounts for the largest IoT insurance market share?
- 5.Which are the leading companies in the global IoT insurance market?

#### **Table of Contents:**

- 1 Preface
- 2 Scope and Methodology
  - 2.1 Objectives of the Study
  - 2.2 Stakeholders
  - 2.3 Data Sources
    - 2.3.1 Primary Sources
    - 2.3.2 Secondary Sources
  - 2.4 Market Estimation
    - 2.4.1 Bottom-Up Approach
    - 2.4.2 Top-Down Approach
  - 2.5 Forecasting Methodology
- 3 Executive Summary
- 4 Introduction
  - 4.1 Overview
  - 4.2 Key Industry Trends
- 5 Global IoT Insurance Market

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- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast
- 6 Market Breakup by Insurance Type
  - 6.1 Life and Health Insurance
    - 6.1.1 Market Trends
    - 6.1.2 Market Forecast
  - 6.2 Property and Casualty Insurance
    - 6.2.1 Market Trends
    - 6.2.2 Market Forecast
  - 6.3 Others
    - 6.3.1 Market Trends
    - 6.3.2 Market Forecast
- 7 Market Breakup by Component
  - 7.1 Solution
    - 7.1.1 Market Trends
    - 7.1.2 Market Forecast
  - 7.2 Service
    - 7.2.1 Market Trends
    - 7.2.2 Market Forecast
- 8 Market Breakup by Application
  - 8.1 Automotive, Transportation and Logistics
    - 8.1.1 Market Trends
    - 8.1.2 Market Forecast
  - 8.2 Life and Health
    - 8.2.1 Market Trends
    - 8.2.2 Market Forecast
  - 8.3 Commercial and Residential Buildings
    - 8.3.1 Market Trends
    - 8.3.2 Market Forecast
  - 8.4 Business and Enterprise
    - 8.4.1 Market Trends
    - 8.4.2 Market Forecast
  - 8.5 Agriculture
    - 8.5.1 Market Trends
    - 8.5.2 Market Forecast
  - 8.6 Others
    - 8.6.1 Market Trends
    - 8.6.2 Market Forecast
- 9 Market Breakup by Region
  - 9.1 North America
    - 9.1.1 United States
      - 9.1.1.1 Market Trends
      - 9.1.1.2 Market Forecast
    - 9.1.2 Canada
      - 9.1.2.1 Market Trends

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- 9.1.2.2 Market Forecast
- 9.2 Asia-Pacific
  - 9.2.1 China
    - 9.2.1.1 Market Trends
    - 9.2.1.2 Market Forecast
  - 9.2.2 Japan
    - 9.2.2.1 Market Trends
    - 9.2.2.2 Market Forecast
  - 9.2.3 India
    - 9.2.3.1 Market Trends
    - 9.2.3.2 Market Forecast
  - 9.2.4 South Korea
    - 9.2.4.1 Market Trends
    - 9.2.4.2 Market Forecast
  - 9.2.5 Australia
    - 9.2.5.1 Market Trends
    - 9.2.5.2 Market Forecast
  - 9.2.6 Indonesia
    - 9.2.6.1 Market Trends
    - 9.2.6.2 Market Forecast
  - 9.2.7 Others
    - 9.2.7.1 Market Trends
    - 9.2.7.2 Market Forecast
- 9.3 Europe
  - 9.3.1 Germany
    - 9.3.1.1 Market Trends
    - 9.3.1.2 Market Forecast
  - 9.3.2 France
    - 9.3.2.1 Market Trends
    - 9.3.2.2 Market Forecast
  - 9.3.3 United Kingdom
    - 9.3.3.1 Market Trends
    - 9.3.3.2 Market Forecast
  - 9.3.4 Italy
    - 9.3.4.1 Market Trends
    - 9.3.4.2 Market Forecast
  - 9.3.5 Spain
    - 9.3.5.1 Market Trends
    - 9.3.5.2 Market Forecast
  - 9.3.6 Russia
    - 9.3.6.1 Market Trends
    - 9.3.6.2 Market Forecast
  - 9.3.7 Others
    - 9.3.7.1 Market Trends
    - 9.3.7.2 Market Forecast
- 9.4 Latin America
  - 9.4.1 Brazil

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- 9.4.1.1 Market Trends
- 9.4.1.2 Market Forecast
- 9.4.2 Mexico
  - 9.4.2.1 Market Trends
  - 9.4.2.2 Market Forecast
- 9.4.3 Others
  - 9.4.3.1 Market Trends
  - 9.4.3.2 Market Forecast
- 9.5 Middle East and Africa
  - 9.5.1 Market Trends
  - 9.5.2 Market Breakup by Country
  - 9.5.3 Market Forecast
- 10 SWOT Analysis
  - 10.1 Overview
  - 10.2 Strengths
  - 10.3 Weaknesses
  - 10.4 Opportunities
  - 10.5 Threats
- 11 Value Chain Analysis
- 12 Porters Five Forces Analysis
  - 12.1 Overview
  - 12.2 Bargaining Power of Buyers
  - 12.3 Bargaining Power of Suppliers
  - 12.4 Degree of Competition
  - 12.5 Threat of New Entrants
  - 12.6 Threat of Substitutes
- 13 Price Analysis
- 14 Competitive Landscape
  - 14.1 Market Structure
  - 14.2 Key Players
  - 14.3 Profiles of Key Players
    - 14.3.1 Accenture plc
      - 14.3.1.1 Company Overview
      - 14.3.1.2 Product Portfolio
      - 14.3.1.3 Financials
      - 14.3.1.4 SWOT Analysis
    - 14.3.2 Allerin
      - 14.3.2.1 Company Overview
      - 14.3.2.2 Product Portfolio
    - 14.3.3 Capgemini SE
      - 14.3.3.1 Company Overview
      - 14.3.3.2 Product Portfolio
      - 14.3.3.3 Financials
      - 14.3.3.4 SWOT Analysis
    - 14.3.4 Cognizant
      - 14.3.4.1 Company Overview
      - 14.3.4.2 Product Portfolio

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- 14.3.4.3 Financials
- 14.3.4.4 SWOT Analysis
- 14.3.5 Concurus
  - 14.3.5.1 Company Overview
  - 14.3.5.2 Product Portfolio
- 14.3.6 Intel Corporation
  - 14.3.6.1 Company Overview
  - 14.3.6.2 Product Portfolio
  - 14.3.6.3 Financials
  - 14.3.6.4 SWOT Analysis
- 14.3.7 International Business Machines Corporation
  - 14.3.7.1 Company Overview
  - 14.3.7.2 Product Portfolio
  - 14.3.7.3 Financials
  - 14.3.7.4 SWOT Analysis
- 14.3.8 Microsoft Corporation
  - 14.3.8.1 Company Overview
  - 14.3.8.2 Product Portfolio
  - 14.3.8.3 Financials
  - 14.3.8.4 SWOT Analysis
- 14.3.9 Sas Institute Inc.
  - 14.3.9.1 Company Overview
  - 14.3.9.2 Product Portfolio
  - 14.3.9.3 SWOT Analysis
- 14.3.10 Telit
  - 14.3.10.1 Company Overview
  - 14.3.10.2 Product Portfolio
  - 14.3.10.3 Financials
- 14.3.11 Verisk Analytics Inc.
  - 14.3.11.1 Company Overview
  - 14.3.11.2 Product Portfolio
  - 14.3.11.3 Financials
  - 14.3.11.4 SWOT Analysis
- 14.3.12 Wipro Limited
  - 14.3.12.1 Company Overview
  - 14.3.12.2 Product Portfolio
  - 14.3.12.3 Financials
  - 14.3.12.4 SWOT Analysis

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