

AIoT Market by Platform (IoT Device Management, IoT Application Enablement Platforms, IoT Connectivity Management, IoT Cloud, IoT Advanced Analytics), Technology (Machine Learning, NLP, Computer Vision, Context Aware AI) - Global Forecast to 2030

Market Report | 2025-11-07 | 385 pages | MarketsandMarkets

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Report description:

The global AIoT market is estimated to be worth USD 25.44 billion in 2025. It is projected to reach USD 81.04 billion by 2030, growing at a Compound Annual Growth Rate (CAGR) of 26.1% during the forecast period. The AIoT market is primarily driven by the growing convergence of artificial intelligence and the Internet of Things, enabling real-time data analytics, predictive insights, and autonomous decision-making across industries. The rollout of 5G networks, advancements in edge computing, and the availability of low-cost sensors are accelerating AIoT adoption by enhancing speed, connectivity, and cost efficiency. The expansion of smart city initiatives, industrial automation under Industry 4.0, and healthcare applications, including remote monitoring and predictive diagnostics, are further fueling market growth. Additionally, scalable cloud infrastructure supports the handling of massive data and AI-driven analytics, thereby strengthening the AIoT ecosystem. However, the market faces key restraints, including data security and privacy concerns, high implementation and integration costs, and a lack of standardization across IoT devices. The shortage of skilled professionals, regulatory complexities, and infrastructure limitations in developing regions further hinder large-scale deployment. Despite these challenges, technological advancements and cross-sector integration continue to position AIoT as a transformative enabler of intelligent, connected ecosystems worldwide.

<https://mnmimg.marketsandmarkets.com/Images/ai-in-iot-market-new-overview.webp>

"By service, the professional services segment is expected to hold the largest market size during the forecast period." The professional services offered have been categorized into deployment and integration, support and maintenance, and training

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and consulting services. Several end-use organizations lack the capacity, and therefore, they hire other specialized firms to achieve the needed level of safety and/or protection. The implementation of AIoT systems demands professional services, especially during and after the process. Some of the services are planning, designing, consulting, and upgrades. Organizations delivering these services include consultants, IoT specialists, AI specialists, and separate program management teams committed to developing and implementing mission-critical decision support systems, tools, services, and knowledge.

"By region, Asia Pacific is expected to have the highest growth rate during the forecast period."

The Asia Pacific market includes China, Japan, India, and other countries. These nations have focused heavily on developing innovative AIoT technology. The region's expected high CAGR during the forecast period is due to its progressive and dynamic adoption of new technology solutions. The move toward commercializing IoT technology, along with the need for further developments to fully utilize it and to gain greater benefits from AIoT platform solutions, is likely to boost their adoption in the region. Asia Pacific, with large economies like China, is expected to hold a significant share of the AIoT market. The industries with the greatest potential for adopting AIoT solutions, software, and services include mobility and transportation, energy and utilities, and healthcare and life sciences.

In-depth interviews have been conducted with chief executive officers (CEOs), Directors, and other executives from various key organizations operating in the AIoT market.

-□By Company Type: Tier 1 - 70%, Tier 2 - 20%, and Tier 3 - 10%

-□By Designation: C-level Executives - 73%, Managers - 18%, and Others - 9%

-□By Region: North America - 30%, Europe - 25%, Asia Pacific - 35%, RoW - 10%

The major players in the AIoT market include IBM (US), Cisco (US), AWS (US), Google (US), Microsoft (US), Oracle (US), HPE (US), Intel (US), Hitachi (Japan), and SAP (Germany).

Research Coverage

The market report covered the AIoT market across segments. We estimated the market size and growth potential for many segments based on offering, technology, deployment type, vertical, and region. It contains a thorough competition analysis of the major market participants, information about their businesses, essential observations about their product offerings, current trends, and critical market strategies.

Reasons to buy this report:

With information on the most accurate revenue estimates for the whole AIoT industry and its subsegments, the research will benefit market leaders and recent newcomers. Stakeholders will benefit from this report's enhanced understanding of the competitive environment, which will enable them to better position their companies and develop effective go-to-market strategies. The research provides insights into the primary market drivers, constraints, opportunities, and challenges, enabling players to grasp the industry's pulse.

The report provides insights into the following pointers:

-□Analysis of key drivers (exponential growth of data from IoT devices, demand for automation and enhanced operational efficiency, rising need to provide improved customer experiences and personalization), restraints (high costs of implementation, limited interoperability and fragmented standards), opportunities (rising investments in the Internet of Things (IoT), growing need for advanced security solutions), and challenges (lack of skills and awareness related to AIoT technologies, data privacy and security concerns)

-□Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the AIoT market

-□Market Development: The report provides comprehensive information about lucrative markets and analyzes the AIoT market across various regions

-□Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and

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investments in the AIoT market

-Competitive Assessment: In-depth assessment of market shares, growth strategies and service offerings of leading include IBM (US), Cisco (US), AWS (US), Google (US), Microsoft (US), Oracle (US), HPE (US), Intel (US), Hitachi (Japan), SAP (Germany), Tencent Cloud (China), Sharp Global (Japan), SAS (US), PTC (US), Telit Cinterion (UK), Robert Bosch (Germany), Axiomtek (Taiwan), Softweb Solutions (US), Wiliot (Israel), Relayr (US), Terminus Group (China), C3 IoT (US), Clearblade (US), Semifive (South Korea), Falconry (US), Uptake (US), Butlr (US)

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