

IT Robotic Process Automation (RPA) Market Forecasts to 2034 – Global Analysis By Type (Software Tools and Services), Deployment, Organization Size, Application, End User and By Geography

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Abstracts

According to Statistics MRC, the Global IT Robotic Process Automation (RPA) Market is accounted for \$8.1 billion in 2026 and is expected to reach \$58.4 billion by 2034 growing at a CAGR of 28.0% during the forecast period. IT Robotic Process Automation (RPA) involves deploying software robots to carry out structured, repetitive digital tasks within IT environments. These bots streamline workflows like data processing, incident handling, application management, and analytics reporting, minimizing manual effort. RPA solutions are designed to work seamlessly with current systems, allowing quick implementation without extensive modifications. Businesses leverage RPA to boost productivity, reduce operational expenses, and enhance process reliability. As technologies like artificial intelligence advance, RPA is transitioning toward more intelligent automation, enabling it to manage sophisticated tasks and support broader digital transformation strategies across modern enterprises.

According to the World Economic Forum (WEF), automation technologies including RPA are expected to displace 85 million jobs by 2025 but simultaneously create 97 million new roles, particularly in data analysis, AI, and digital transformation.

Market Dynamics:

Driver:

Increasing demand for operational efficiency

A key factor propelling the IT RPA market is the rising emphasis on improving operational performance. Companies aim to simplify workflows, shorten processing times, and boost productivity without compromising accuracy. RPA facilitates this by automating routine, rule-driven activities, helping organizations manage tasks more effectively without expanding their workforce. It reduces human errors and speeds up execution across IT operations like data processing and system monitoring. This trend is especially evident in sectors dealing with large transaction volumes and strict timelines, where efficiency directly impacts business success and competitive positioning.

Restraint:

High initial implementation costs

Significant upfront investment requirements limit the adoption of IT RPA solutions. Businesses need to allocate funds for purchasing automation software, upgrading systems, hiring experts, and training staff, which can be challenging for smaller firms. Continuous maintenance and operational costs also add to the financial burden. Although RPA offers long-term efficiency gains, many organizations are cautious about investing heavily without immediate returns. This financial constraint slows down decision-making and restricts widespread deployment, particularly among enterprises with limited budgets or uncertain return on investment expectations in their automation strategies.

Opportunity:

Integration with artificial intelligence and machine learning

The merging of AI and ML technologies with IT RPA offers a strong growth opportunity for the market. This combination allows automation systems to go beyond simple rule-based tasks and manage complex processes involving unstructured information and intelligent decision-making. Enhanced RPA solutions improve efficiency, precision, and flexibility in IT functions. They can support advanced applications such as predictive analysis, automated support systems, and risk detection. As businesses increasingly embrace AI-powered tools, the need for smarter automation solutions rises, opening new possibilities for innovation, improved scalability, and stronger contributions to digital transformation strategies.

Threat:

Increasing competition from alternative automation technologies

Growing competition from advanced automation solutions poses a major risk to the IT RPA market. Technologies like low-code development platforms, AI-powered automation, and process management systems provide broader functionality and greater flexibility than conventional RPA. These tools can manage complex workflows and adapt to changing requirements more effectively. Consequently, businesses may shift toward these alternatives for better long-term benefits. This intensifying competition compels RPA providers to enhance their offerings continuously, creating a challenging environment for maintaining relevance and achieving sustained market growth.

Covid-19 Impact:

The pandemic positively influenced the IT RPA market by driving rapid adoption of automation technologies. As businesses shifted to remote working models, there was a strong need to automate repetitive IT processes to maintain efficiency and continuity. RPA helped organizations manage higher workloads and minimize reliance on manual efforts, especially in sectors like finance, healthcare, and retail. Cost reduction became a priority during uncertain economic conditions, further encouraging automation adoption. Although deployment faced some early challenges due to disruptions, the overall demand for RPA solutions grew considerably as companies focused on resilience and digital transformation strategies.

The finance & accounting segment is expected to be the largest during the forecast period

The finance & accounting segment is expected to account for the largest market share during the forecast period because it involves numerous repetitive and standardized tasks. Processes like billing, payment management, reporting, and account reconciliation are ideal for automation technologies. RPA helps improve precision, accelerate workflows, and maintain regulatory compliance. Businesses focus on automating these functions to reduce costs and eliminate manual errors. Since financial operations rely on structured data and clearly defined rules, they are easier to automate, resulting in higher adoption rates and establishing this segment as the most significant contributor to market growth.

The healthcare & life sciences segment is expected to have the highest CAGR during

the forecast period

Over the forecast period, the healthcare & life sciences segment is predicted to witness the highest growth rate, driven by the need for improved operational efficiency and data handling. The industry manages large amounts of sensitive information, including patient data and financial records, which require accurate and efficient processing. RPA enables automation of tasks like appointment management, claims handling, and regulatory compliance, enhancing productivity and reducing mistakes. Increasing digital transformation efforts and pressure to control costs further support adoption. These trends contribute to the strong growth momentum of RPA within this sector.

Region with largest share:

During the forecast period, the North America region is expected to hold the largest market share, primarily due to its rapid adoption of innovative technologies and the presence of leading automation providers. Businesses across sectors actively implement RPA to improve productivity, cut operational expenses, and advance digital transformation strategies. The region's strong industrial base, including finance, healthcare, and IT, boosts demand for automation solutions. Moreover, advanced technological infrastructure and access to skilled talent facilitate smooth deployment. Ongoing technological advancements and a growing emphasis on intelligent automation further strengthen North America's leading position in the global RPA industry.

Region with highest CAGR:

Over the forecast period, the Asia-Pacific region is anticipated to exhibit the highest CAGR, driven by rapid technological advancement and increasing digitalization. Businesses across developing economies are embracing automation to improve efficiency and reduce operational costs. Significant investments in cloud platforms, AI technologies, and IT infrastructure support the expansion of RPA adoption. The growing number of SMEs and the need for scalable solutions also contribute to this growth. Furthermore, key industries such as finance, telecom, and manufacturing are actively implementing automation, positioning Asia-Pacific as a high-growth region in the global RPA landscape.

Key players in the market

Some of the key players in IT Robotic Process Automation (RPA) Market include UiPath, Automation Anywhere, Blue Prism, Microsoft, Pegasystems, Nice Systems

(NEVA), IBM, SAP, NTT Data, EdgeVerve Systems, HelpSystems (Fortra), Laiye, WorkFusion, Redwood Software, Enate, AntWorks, Jacada and ElectroNeek.

Key Developments:

In May 2026, Pegasystems and HCLTech deepen collaboration to accelerate AI powered enterprise system modernization, to accelerate enterprise modernization by combining HCLTech AI Force and Pega Blueprint™. The collaboration empowers enterprises to rapidly transform legacy systems into agile, cloud native and AI-powered Pega applications — unlocking new levels of business agility, operational efficiency and innovation.

In February 2026, Automation Anywhere and NxtWave launched India's largest AI & Agentic Process Automation (APA) upskilling initiative to become next-gen AI innovators and builders. Unveiled at the India AI Impact Summit, this collaboration will help over 1,00,000 students and young professionals across India develop critical agentic AI and APA skills.

In September 2025, UiPath announced a partnership with Snowflake, the AI Data Cloud company, uniting UiPath's Agentic Automation platform with Snowflake Cortex AI. This collaboration empowers businesses to quickly turn data insights into faster and smarter autonomous actions, bridging the gap between vision and impact across enterprise business processes.

Types Covered:

Software Tools

Services

Deployments Covered:

On-Premise

Cloud

Organization Sizes Covered:

Small & Medium Enterprises (SMEs)

Large Enterprises

Applications Covered:

Finance & Accounting

Human Resources (HR)

Customer Service & Support

Supply Chain & Logistics

IT & Infrastructure Management

Sales & Marketing

Other Applications

End Users Covered:

Banking, Financial Services & Insurance (BFSI)

Retail & Consumer Goods

Manufacturing

Healthcare & Life Sciences

Telecom & IT

Transportation & Logistics

Government & Public Sector

Other End Users

Regions Covered:

North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

France

Italy

Spain

Netherlands

Belgium

Sweden

Switzerland

Poland

Rest of Europe

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Thailand

Malaysia

Singapore

Vietnam

Rest of Asia Pacific

South America

Brazil

Argentina

Colombia

Chile

Peru

Rest of South America

Rest of the World (RoW)

Middle East

Saudi Arabia

United Arab Emirates

Qatar

Israel

Rest of Middle East

Africa

South Africa

Egypt

Morocco

Rest of Africa

What our report offers:

Market share assessments for the regional and country-level segments

Strategic recommendations for the new entrants

Covers Market data for the years 2023, 2024, 2025, 2026, 2027, 2028, 2030, 2032 and 2034

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

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