

# **Security & Access Control Automation Market Forecasts to 2034 – Global Analysis By Component (Access Control Hardware, Surveillance Systems, Authentication Software, Biometric Devices and Other Components), Authentication Type, Deployment Mode, Application, End User, and Geography**

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## **Abstracts**

According to Statistics MRC, the Global Security & Access Control Automation Market is accounted for \$19.5 billion in 2026 and is expected to reach \$46.0 billion by 2034 growing at a CAGR of 11.3% during the forecast period. Security and access control automation refers to intelligent systems that regulate and monitor entry, surveillance, and security operations within residential, commercial, and industrial facilities. These systems use technologies such as biometric authentication, RFID, smart locks, facial recognition, video analytics, and centralized monitoring platforms to enhance safety and operational efficiency. Automated security systems help prevent unauthorized access, improve incident response, and support real-time monitoring. Integration with IoT and smart building platforms further enhances functionality. Growing concerns regarding safety, data protection, and facility management are driving adoption of automated security solutions globally.

### **Market Dynamics:**

Driver:

Rising smart surveillance adoption

Rising concerns about workplace safety and asset protection are fueling demand.

Automated access systems integrate seamlessly with surveillance platforms to enhance monitoring. Governments are supporting modernization of security infrastructure through funding and regulations. Vendors are introducing advanced solutions tailored for commercial and residential applications. Awareness among enterprises is growing as they recognize the benefits of integrated surveillance and access control. This rising adoption of smart surveillance is propelling the market forward.

#### Restraint:

##### Privacy concerns over biometric systems

Consumers worry about misuse of personal data collected through facial recognition and fingerprint scanning. Regulatory bodies are imposing strict guidelines to protect user privacy. Smaller enterprises hesitate to adopt biometric solutions due to compliance risks. Vendors must invest heavily in secure data management practices. Public skepticism slows adoption in certain regions. These privacy concerns are limiting broader penetration of biometric access control systems.

#### Opportunity:

##### Cloud-based access management growth

Cloud platforms enable centralized control and real-time monitoring across multiple sites. Enterprises benefit from scalability, flexibility, and reduced infrastructure costs. Manufacturers are developing cloud-native solutions tailored to diverse industries. Governments are encouraging cloud adoption through digital transformation initiatives. Partnerships between cloud providers and security firms are expanding reach. This technological advancement is unlocking new growth opportunities in access control automation.

#### Threat:

##### Strict data protection regulations

Compliance requirements vary across regions, complicating global adoption. Vendors face challenges in ensuring systems meet evolving legal standards. Smaller firms struggle to afford compliance-related investments. Regulatory breaches can lead to heavy penalties and reputational damage. Governments are tightening enforcement to

safeguard consumer rights. These stringent regulations are posing hurdles to consistent market expansion.

#### Covid-19 Impact:

Covid-19 had a mixed impact on the security and access control automation market. On one hand, demand rose as organizations sought touchless access solutions to reduce physical contact. Automated systems became essential in workplaces and public facilities. Online platforms supported distribution of security technologies. On the other hand, economic uncertainty limited investments in advanced systems. Supply chain delays slowed equipment availability. Overall, the pandemic acted as a catalyst, accelerating awareness and long-term adoption.

The access control hardware segment is expected to be the largest during the forecast period

The access control hardware segment is expected to account for the largest market share during the forecast period as electronic locks remain essential for securing facilities. Adoption is strong among enterprises, government institutions, and residential complexes. Manufacturers are investing in durable and high-performance hardware solutions. Governments are supporting infrastructure modernization through subsidies and pilot projects. Awareness campaigns highlight the importance of hardware in integrated security systems. Retail penetration of access control hardware is widespread across global markets.

The multi-factor authentication systems segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the multi-factor authentication systems segment is predicted to witness the highest growth rate due to rising demand for enhanced security measures that combine biometrics, passwords, and tokens. Enterprises benefit from reduced risks of unauthorized access. Governments are funding initiatives to accelerate adoption of multi-factor systems. Partnerships between vendors and IT firms are expanding reach. Awareness campaigns emphasize the role of multi-factor authentication in safeguarding sensitive data. Startups are rapidly entering the market with innovative solutions.

#### **Region with largest share:**

During the forecast period, the North America region is expected to hold the largest

market share owing to early adoption of automation technologies. The US and Canada host leading innovators in access control automation. Policy frameworks encourage modernization across commercial and residential facilities. Enterprises are increasingly deploying premium security systems. Retail penetration of automated solutions is widespread across the region. Academic institutions are actively researching AI-driven security applications.

### **Region with highest CAGR:**

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR driven by rising consumer demand, and supportive government subsidies for smart security solutions. Countries such as China, India, and Japan are investing heavily in access control automation. Affordable solutions are gaining traction among mid-sized enterprises. Rural digitization programs are expanding access to advanced security systems. E-commerce platforms are helping distribute automation tools to diverse facilities. Younger demographics are increasingly drawn to touchless and cloud-based security.

### **Key players in the market**

Some of the key players in Security & Access Control Automation Market include Johnson Controls International plc, Honeywell International Inc., Schneider Electric SE, Siemens AG, ASSA ABLOY AB, Bosch Security Systems GmbH, Dormakaba Holding AG, HID Global Corporation, Axis Communications AB, Allegion plc, Thales Group, Nedap N.V., Genetec Inc., Identiv Inc. and LenelS2 Inc.

### **Key Developments:**

In January 2026, Schneider Electric SE reported a major expansion of its EcoStruxure Micro Data Center portfolio, introducing ruggedized, pre-integrated on-premises edge enclosures designed specifically for harsh manufacturing and port logistics environments. This product launch houses localized AI compute nodes adjacent to physical assembly operations, minimizing latency for automated microgrid load switching and predictive machine maintenance.

In October 2025, Honeywell International Inc. reported a comprehensive expansion of its Honeywell SwiftCheck™ self-checkout software platform, embedding advanced acoustic and visual anomaly detection models into retail terminal arrays. This technical update links high-frequency scan data with point-of-sale hardware, automating the

instant detection of mis-scanned barcodes or ticket-switching attempts to protect retail margins without requiring constant intervention from floor supervisors.

#### Components Covered:

Access Control Hardware

Surveillance Systems

Authentication Software

Biometric Devices

Other Components

#### Authentication Types Covered:

Biometric Authentication Systems

Card-Based Authentication Systems

Mobile-Based Authentication Systems

Multi-Factor Authentication Systems

Other Authentication Types

#### Deployment Modes Covered:

On-Premise Deployment

Cloud-Based Deployment

#### Technologies Covered:

Online Monitoring Systems

Offline Monitoring Systems

Remote Monitoring Systems

Applications Covered:

Building Security Applications

Identity Management Applications

Perimeter Security Applications

Workforce Access Management Applications

Other Applications

End Users Covered:

Commercial Building Operators

Industrial Facility Operators

Government Organizations

Transportation Infrastructure Operators

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

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

## Contents

### **1 EXECUTIVE SUMMARY**

- 1.1 Market Snapshot and Key Highlights
- 1.2 Growth Drivers, Challenges, and Opportunities
- 1.3 Competitive Landscape Overview
- 1.4 Strategic Insights and Recommendations

### **2 RESEARCH FRAMEWORK**

- 2.1 Study Objectives and Scope
- 2.2 Stakeholder Analysis
- 2.3 Research Assumptions and Limitations
- 2.4 Research Methodology
  - 2.4.1 Data Collection (Primary and Secondary)
  - 2.4.2 Data Modeling and Estimation Techniques
  - 2.4.3 Data Validation and Triangulation
  - 2.4.4 Analytical and Forecasting Approach

### **3 MARKET DYNAMICS AND TREND ANALYSIS**

- 3.1 Market Definition and Structure
- 3.2 Key Market Drivers
- 3.3 Market Restraints and Challenges
- 3.4 Growth Opportunities and Investment Hotspots
- 3.5 Industry Threats and Risk Assessment
- 3.6 Technology and Innovation Landscape
- 3.7 Emerging and High-Growth Markets
- 3.8 Regulatory and Policy Environment
- 3.9 Impact of COVID-19 and Recovery Outlook

### **4 COMPETITIVE AND STRATEGIC ASSESSMENT**

- 4.1 Porter's Five Forces Analysis
  - 4.1.1 Supplier Bargaining Power
  - 4.1.2 Buyer Bargaining Power
  - 4.1.3 Threat of Substitutes
  - 4.1.4 Threat of New Entrants

- 4.1.5 Competitive Rivalry
- 4.2 Market Share Analysis of Key Players
- 4.3 Product Benchmarking and Performance Comparison

## **5 GLOBAL SECURITY & ACCESS CONTROL AUTOMATION MARKET, BY COMPONENT**

- 5.1 Access Control Hardware
- 5.2 Surveillance Systems
- 5.3 Authentication Software
- 5.4 Biometric Devices
- 5.5 Other Components

## **6 GLOBAL SECURITY & ACCESS CONTROL AUTOMATION MARKET, BY AUTHENTICATION TYPE**

- 6.1 Biometric Authentication Systems
- 6.2 Card-Based Authentication Systems
- 6.3 Mobile-Based Authentication Systems
- 6.4 Multi-Factor Authentication Systems
- 6.5 Other Authentication Types

## **7 GLOBAL SECURITY & ACCESS CONTROL AUTOMATION MARKET, BY DEPLOYMENT MODE**

- 7.1 On-Premise Deployment
- 7.2 Cloud-Based Deployment

## **8 GLOBAL SECURITY & ACCESS CONTROL AUTOMATION MARKET, BY APPLICATION**

- 8.1 Building Security Applications
- 8.2 Identity Management Applications
- 8.3 Perimeter Security Applications
- 8.4 Workforce Access Management Applications
- 8.5 Other Applications

## **9 GLOBAL SECURITY & ACCESS CONTROL AUTOMATION MARKET, BY END USER**

- 9.1 Commercial Building Operators
- 9.2 Industrial Facility Operators
- 9.3 Government Organizations
- 9.4 Transportation Infrastructure Operators
- 9.5 Other End Users

## **10 GLOBAL SECURITY & ACCESS CONTROL AUTOMATION MARKET, BY GEOGRAPHY**

- 10.1 North America
  - 10.1.1 United States
  - 10.1.2 Canada
  - 10.1.3 Mexico
- 10.2 Europe
  - 10.2.1 United Kingdom
  - 10.2.2 Germany
  - 10.2.3 France
  - 10.2.4 Italy
  - 10.2.5 Spain
  - 10.2.6 Netherlands
  - 10.2.7 Belgium
  - 10.2.8 Sweden
  - 10.2.9 Switzerland
  - 10.2.10 Poland
  - 10.2.11 Rest of Europe
- 10.3 Asia Pacific
  - 10.3.1 China
  - 10.3.2 Japan
  - 10.3.3 India
  - 10.3.4 South Korea
  - 10.3.5 Australia
  - 10.3.6 Indonesia
  - 10.3.7 Thailand
  - 10.3.8 Malaysia
  - 10.3.9 Singapore
  - 10.3.10 Vietnam
  - 10.3.11 Rest of Asia Pacific
- 10.4 South America

- 10.4.1 Brazil
- 10.4.2 Argentina
- 10.4.3 Colombia
- 10.4.4 Chile
- 10.4.5 Peru
- 10.4.6 Rest of South America
- 10.5 Rest of the World (RoW)
  - 10.5.1 Middle East
    - 10.5.1.1 Saudi Arabia
    - 10.5.1.2 United Arab Emirates
    - 10.5.1.3 Qatar
    - 10.5.1.4 Israel
    - 10.5.1.5 Rest of Middle East
  - 10.5.2 Africa
    - 10.5.2.1 South Africa
    - 10.5.2.2 Egypt
    - 10.5.2.3 Morocco
    - 10.5.2.4 Rest of Africa

## **11 STRATEGIC MARKET INTELLIGENCE**

- 11.1 Industry Value Network and Supply Chain Assessment
- 11.2 White-Space and Opportunity Mapping
- 11.3 Product Evolution and Market Life Cycle Analysis
- 11.4 Channel, Distributor, and Go-to-Market Assessment

## **12 INDUSTRY DEVELOPMENTS AND STRATEGIC INITIATIVES**

- 12.1 Mergers and Acquisitions
- 12.2 Partnerships, Alliances, and Joint Ventures
- 12.3 New Product Launches and Certifications
- 12.4 Capacity Expansion and Investments
- 12.5 Other Strategic Initiatives

## **13 COMPANY PROFILES**

- 13.1 Johnson Controls International plc
- 13.2 Honeywell International Inc.
- 13.3 Schneider Electric SE

- 13.4 Siemens AG
- 13.5 ASSA ABLOY AB
- 13.6 Bosch Security Systems GmbH
- 13.7 Dormakaba Holding AG
- 13.8 HID Global Corporation
- 13.9 Axis Communications AB
- 13.10 Allegion plc
- 13.11 Thales Group
- 13.12 Nedap N.V.
- 13.13 Genetec Inc.
- 13.14 Identiv Inc.
- 13.15 LenelS2 Inc.

## List Of Tables

### LIST OF TABLES

Table 1 Global Security & Access Control Automation Market Outlook, By Region (2023-2034) (\$MN)

Table 2 Global Security & Access Control Automation Market, By Component (2023–2034) (\$MN)

Table 3 Global Security & Access Control Automation Market, By Access Control Hardware (2023–2034) (\$MN)

Table 4 Global Security & Access Control Automation Market, By Surveillance Systems (2023–2034) (\$MN)

Table 5 Global Security & Access Control Automation Market, By Authentication Software (2023–2034) (\$MN)

Table 6 Global Security & Access Control Automation Market, By Biometric Devices (2023–2034) (\$MN)

Table 7 Global Security & Access Control Automation Market, By Other Components (2023–2034) (\$MN)

Table 8 Global Security & Access Control Automation Market, By Authentication Type (2023–2034) (\$MN)

Table 9 Global Security & Access Control Automation Market, By Biometric Authentication Systems (2023–2034) (\$MN)

Table 10 Global Security & Access Control Automation Market, By Card-Based Authentication Systems (2023–2034) (\$MN)

Table 11 Global Security & Access Control Automation Market, By Mobile-Based Authentication Systems (2023–2034) (\$MN)

Table 12 Global Security & Access Control Automation Market, By Multi-Factor Authentication Systems (2023–2034) (\$MN)

Table 13 Global Security & Access Control Automation Market, By Other Authentication Types (2023–2034) (\$MN)

Table 14 Global Security & Access Control Automation Market, By Deployment Mode (2023–2034) (\$MN)

Table 15 Global Security & Access Control Automation Market, By On-Premise Deployment (2023–2034) (\$MN)

Table 16 Global Security & Access Control Automation Market, By Cloud-Based Deployment (2023–2034) (\$MN)

Table 17 Global Security & Access Control Automation Market, By Application (2023–2034) (\$MN)

Table 18 Global Security & Access Control Automation Market, By Building Security

Applications (2023–2034) (\$MN)

Table 19 Global Security & Access Control Automation Market, By Identity Management Applications (2023–2034) (\$MN)

Table 20 Global Security & Access Control Automation Market, By Perimeter Security Applications (2023–2034) (\$MN)

Table 21 Global Security & Access Control Automation Market, By Workforce Access Management Applications (2023–2034) (\$MN)

Table 22 Global Security & Access Control Automation Market, By Other Applications (2023–2034) (\$MN)

Table 23 Global Security & Access Control Automation Market, By End User (2023–2034) (\$MN)

Table 24 Global Security & Access Control Automation Market, By Commercial Building Operators (2023–2034) (\$MN)

Table 25 Global Security & Access Control Automation Market, By Industrial Facility Operators (2023–2034) (\$MN)

Table 26 Global Security & Access Control Automation Market, By Government Organizations (2023–2034) (\$MN)

Table 27 Global Security & Access Control Automation Market, By Transportation Infrastructure Operators (2023–2034) (\$MN)

Table 28 Global Security & Access Control Automation Market, By Other End Users (2023–2034) (\$MN)

Note: Tables for North America, Europe, APAC, South America, and Rest of the World (RoW) are also represented in the same manner as above.

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