

Automated Border Control Market Growth to US\$ 10.15 Billion by 2035; Driven by AI, Biometrics, and Smart Borders

Automated border control market is projected to grow from USD 2.52 billion in 2025 to USD 10.15 billion by 2035, registering a CAGR of 14.8% during (2026–2035).

NEW YORK, NY, UNITED STATES, July 23, 2026 /EINPresswire.com/ -- The Automated Border Control (ABC) Market is witnessing rapid transformation as governments and airport authorities prioritize security, efficiency, and seamless passenger movement. With increasing global travel volumes, rising geopolitical complexities, and the growing adoption of biometric technologies, [automated border solutions](#) are becoming essential infrastructure components. These systems, including e-gates and kiosks, enable faster identity verification and reduce reliance on manual border checks.

This growth trajectory reflects strong investments in digital border management systems, integration of AI-driven identity verification, and increasing adoption of cloud-based border solutions.

Latest Market Trends:

The Automated Border Control market is evolving through technological advancements and regulatory mandates, reshaping how borders are managed globally.

Expansion of Biometric-Based E-Gates -

The adoption of biometric authentication technologies such as facial recognition, iris scanning, and fingerprint verification is accelerating.

Governments are increasingly deploying ABC e-gates at airports to streamline passenger flow while enhancing security accuracy.



These systems reduce wait times and improve operational efficiency.

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Integration of AI and Machine Learning -

Artificial Intelligence (AI) is being integrated into ABC systems for real-time threat detection, identity verification, and behavioral analysis.

AI-powered systems can identify anomalies and flag suspicious travelers, improving border security without compromising throughput.

Shift Toward Contactless Travel Solutions -

Post-pandemic travel trends have emphasized contactless processing.

ABC systems now support touchless identity verification, digital passports, and mobile-based credentials, aligning with global health and safety expectations.

Interoperability and Standardization -

Global standards set by aviation and security organizations are pushing vendors to develop interoperable systems.

This ensures seamless data exchange across countries, improving international border coordination.

Cloud-Enabled Border Infrastructure -

Border management systems are transitioning from traditional on-premises setups to cloud-native platforms.

This enables scalability, centralized monitoring, and faster system updates, particularly in high-traffic regions.

Market Drivers:

Several critical factors are fueling the growth of the Automated Border Control market, each contributing significantly to its overall expansion.

Mandatory Biometric Border Programs (25–30% Impact) - Regulatory mandates, particularly in Europe, are driving large-scale adoption of biometric border systems. Initiatives such as Entry/Exit Systems (EES) require member states to deploy automated identity verification systems.

These programs have a strong short-term impact, accelerating procurement and deployment cycles globally.

Growth in Airport Passenger Traffic (15–20% Impact) -

Increasing global air travel is putting pressure on border infrastructure.

Airports are adopting ABC solutions to manage higher passenger volumes efficiently without compromising security.

This trend is expected to sustain medium-term growth as global travel rebounds and expands.

Government Investment in Smart Borders (15–18% Impact) -

Governments across North America and Europe are heavily investing in smart border initiatives.

Funding is directed toward modernizing border checkpoints, deploying biometric systems, and enhancing cybersecurity frameworks.

These investments are driving immediate market expansion.

Advancements in AI and Facial Recognition (12–15% Impact) -

Technological improvements in AI-based facial recognition are enhancing the accuracy and speed of identity verification.

These advancements reduce false positives and improve passenger processing rates.

Rising Geopolitical Threats (8–10% Impact) -

Increasing concerns over illegal immigration, terrorism, and cross-border crimes are prompting governments to strengthen border security.

Automated systems provide advanced surveillance and verification capabilities.

Global Interoperability Standards (5–8% Impact) -

Adoption of international standards ensures compatibility between systems across different countries, facilitating smoother travel and data exchange.

Cloud Migration of Border Systems (5–7% Impact) -

Transition to cloud-based infrastructure is enabling centralized control, cost efficiency, and real-time analytics, particularly in technologically advanced regions.

Market Opportunities:

The market presents significant growth opportunities driven by technological innovation and infrastructure expansion.

Cloud-Native Border Management Platforms - The development of cloud-native platforms offers scalable and flexible solutions for border authorities. These platforms enable centralized data management, predictive analytics, and remote monitoring, reducing operational costs.

Modernization of Land and Sea Borders - While airports dominate ABC adoption, land and seaports remain underpenetrated. Governments are increasingly investing in digitizing these checkpoints, creating new revenue streams for solution providers.

Emerging Market Adoption (Leapfrogging Effect) - Developing economies are bypassing legacy systems and directly adopting advanced automated solutions. This leapfrogging trend is expected to drive significant growth in Asia-Pacific, Africa, and Latin America.

Recent Developments:

March 2024 – European Commission

The European Commission extended the deployment timeline of the Entry/Exit System (EES) to October 2025 due to integration challenges at land border crossings. This highlights the complexity of implementing large-scale biometric systems and underscores the importance of infrastructure readiness.

January 2025 – Thales Group

Thales partnered with Lebanon to implement biometric corridors at Beirut Airport. This project demonstrates how strategic partnerships enable companies to expand into new markets while supporting national sovereignty and security objectives.

Profiles of Top Companies:

The Automated Border Control market is characterized by the presence of global technology leaders offering biometric identification, secure document verification, and integrated border management solutions. These companies are focusing on innovation, large-scale government contracts, and strategic collaborations to strengthen their positions.

IDEMIA - IDEMIA is a key player in biometric identity technologies, offering advanced solutions such as facial recognition, fingerprint authentication, and AI-driven identity verification systems. The company's Automated Border Control offerings include high-performance e-gates and kiosks designed for seamless passenger processing. Its strong portfolio in digital identity and secure authentication enables governments to implement scalable and interoperable border control systems. IDEMIA continues to expand through government contracts and innovation in contactless travel solutions.

NEC Corporation - NEC Corporation is recognized globally for its highly accurate biometric technologies, particularly facial recognition systems that rank among the best in terms of precision. The company provides end-to-end ABC solutions, including hardware, software, and system integration. NEC focuses on enhancing passenger experience through fast and reliable identity verification while ensuring compliance with global security standards. Its strong presence in Asia-Pacific and growing footprint in international markets position it as a major contributor to market growth.

Thales Group - Thales Group delivers comprehensive border management solutions that combine biometric identification, cybersecurity, and data analytics. Its Automated Border Control systems include smart e-gates and integrated platforms that support real-time decision-making. The company's expertise in defense and aviation sectors allows it to offer highly secure and

scalable solutions. Thales continues to strengthen its market position through strategic partnerships with governments and investments in next-generation biometric technologies.

Vision-Box - Vision-Box specializes in seamless travel solutions, focusing on biometric passenger processing and digital identity management. The company is known for its innovative biometric corridors and user-friendly ABC systems that enhance passenger flow at airports. Vision-Box emphasizes interoperability and integration with airline and immigration systems, enabling a frictionless travel experience. Its solutions are widely adopted in international airports and border checkpoints.

SITA - SITA provides IT infrastructure and communication solutions tailored for the air transport industry. Its Automated Border Control systems integrate with airline databases, airport operations, and government systems to streamline passenger processing. SITA focuses on delivering scalable and secure solutions that improve operational efficiency and passenger satisfaction. Its global network and strong relationships with airlines and airports support its leadership in the ABC market.

Veridos - Veridos offers a combination of physical and digital identity solutions, including secure travel documents and biometric verification systems. The company's ABC solutions emphasize secure identity authentication and fraud prevention. Veridos leverages its expertise in document security to provide integrated border control systems that ensure high levels of reliability and compliance with international standards.

Secunet Security Networks - Secunet specializes in high-security IT solutions, particularly in the public sector. Its Automated Border Control offerings focus on secure data processing, identity verification, and compliance with strict European regulations. The company plays a significant role in large-scale border security programs, providing robust systems designed for sensitive and high-risk environments.

Collins Aerospace - Collins Aerospace integrates Automated Border Control systems within broader airport and aviation infrastructure solutions. The company provides advanced hardware and software that enhance passenger processing efficiency while maintaining high security standards. Its strong presence in the aerospace sector enables it to deliver comprehensive solutions tailored to airport operations.

Leidos - Leidos offers advanced security and analytics solutions for border control, focusing on threat detection, data intelligence, and system integration. The company supports government agencies with customized ABC systems that enhance situational awareness and operational efficiency. Its expertise in defense and IT services positions it as a key player in high-security environments.

Smiths Detection - Smiths Detection provides advanced screening technologies that complement Automated Border Control systems. Its solutions focus on detecting threats and ensuring safe

border operations. By integrating screening systems with ABC platforms, the company enhances overall border security and operational effectiveness.

These companies collectively drive innovation in the Automated Border Control market through continuous advancements in biometric technologies, AI integration, and system interoperability. Their strategic initiatives, including partnerships and global expansions, are expected to further accelerate market growth during the forecast period.

Regional Analysis:

The Automated Border Control market demonstrates varied growth patterns across regions, influenced by regulatory frameworks, infrastructure investments, and technological adoption.

North America (~28.0% Market Share in 2025) - North America is a mature market driven by strong government initiatives such as biometric exit programs and modernization of trusted traveler systems. Investments in advanced surveillance and border security technologies continue to support growth.

Europe (~39.8% Market Share in 2025) - Europe dominates the global market due to regulatory mandates like the Entry/Exit System (EES) and coordinated efforts by regional agencies. High adoption of biometric systems and strong policy support make it the leading region.

Asia-Pacific (Fastest Growing Region, CAGR 16.4%) - Asia-Pacific is experiencing rapid growth due to large-scale airport infrastructure projects and smart city initiatives. Countries in this region are investing heavily in digital border management systems to handle increasing passenger volumes.

South America (USD 0.11 Billion in 2025) - The region is gradually adopting ABC systems, driven by initiatives to digitize border operations and improve regional connectivity. Efforts toward integrated border management are gaining momentum.

Middle East & Africa (USD 0.15 Billion in 2025) - Growth in this region is supported by the expansion of major aviation hubs and regional transport frameworks. Governments are investing in advanced border technologies to enhance security and facilitate tourism.

Segment Analysis:

The Automated Border Control market is segmented based on multiple factors, each contributing uniquely to overall growth.

1. By Type

ABC E-Gates: Dominant segment due to widespread adoption in airports for automated

passenger processing.

ABC Kiosks: Used for pre-processing and identity verification, often integrated with e-gates.

2. By Offering

Hardware: Includes biometric scanners, cameras, and gate systems; represents a significant portion of initial investments.

Software: Enables data processing, identity verification, and system integration, gaining importance with AI adoption.

3. By Solution Model

Fully Automated: Offers complete automation with minimal human intervention, improving efficiency and accuracy.

Semi-Automated: Combines manual oversight with automation, suitable for regions with regulatory constraints.

4. By Mode of Operation

One-Step Process: Integrated systems that complete identity verification in a single step, enhancing speed.

Two-Step Process: Involves separate stages for identity verification and clearance, often used in legacy systems.

5. By End-Use Application

Airports: Largest segment due to high passenger traffic and infrastructure investments.

Land Ports: Growing adoption as governments modernize border crossings.

Seaports: Emerging segment with increasing focus on maritime security.

6. By Deployment

On-Premises: Preferred for high-security environments requiring strict data control.

Cloud-Based: Gaining traction due to scalability, flexibility, and cost efficiency.

7. By Throughput Capacity

<200 Passengers/Hour: Suitable for smaller ports and regional checkpoints.

200–400 Passengers/Hour: Standard capacity for medium-sized airports.

>400 Passengers/Hour: High-capacity systems deployed in major international hubs.

Conclusion:

The Automated Border Control market is poised for substantial growth, driven by increasing global mobility, stringent security requirements, and rapid technological advancements. The shift toward biometric authentication, AI integration, and cloud-based systems is transforming border management into a highly efficient and secure process.

With strong regulatory support, rising investments, and expanding applications beyond airports, the market presents significant opportunities for stakeholders. Companies that focus on innovation, interoperability, and strategic partnerships are expected to gain a competitive edge in this evolving landscape.

As governments worldwide continue to prioritize secure and seamless border operations, the Automated Border Control market will remain a critical component of global infrastructure development through 2035.

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