

# **Pedestrian Access Control System Market Forecasts to 2032 – Global Analysis By Product Type (Optical Turnstiles, Swing Gates, Full-Height Turnstiles, Speed Gates, Security Doors, Tripod Turnstiles and Paddle Gates), Component (Access Control Software and Services), Operation Mode, Technology, End User and By Geography**

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## **Abstracts**

According to Statistics MRC, the Global Pedestrian Access Control System Market is accounted for \$2.00 billion in 2025 and is expected to reach \$3.86 billion by 2032 growing at a CAGR of 9.8% during the forecast period. A pedestrian access control system is a type of security solution used to control and keep an eye on people's movements in high-security or restricted areas. To guarantee that only authorized individuals can enter designated areas, these systems are frequently utilized in government buildings, commercial buildings, transit hubs, and educational institutions. By using technologies like RFID cards, biometric scanners, QR codes, or facial recognition, pedestrian access control improves efficiency and security. For audits or emergency responses, it facilitates thorough logging of entry and exit data, lessens the need for manual supervision, and helps prevent unwanted entry.

According to ONVIF, the leading global standardization initiative for IP-based physical security products, “more than 30,000 product models in the \$120 billion global physical security market meet the ONVIF conformance requirements for interoperability.” This milestone underscores rapidly increasing adoption of open, interoperable access control systems.

Market Dynamics:

**Driver:****Growing public and private security concerns**

Increased threats of terrorism, workplace violence, theft, and data breaches have prompted businesses in a variety of industries to make significant investments in cutting-edge security infrastructure. Pedestrian access control systems, such as turnstiles, biometric gates, and card readers, provide a first line of defense by guaranteeing that only authorized personnel are able to enter restricted or sensitive areas. Additionally, these systems allow for real-time recording and monitoring, generating digital trails that improve post-event analysis and adherence to internal or legal audits.

**Restraint:****High installation and initial investment costs**

Installing pedestrian access control systems can be expensive up front, particularly if they use cutting-edge technologies like biometrics, facial recognition, and integrated AI platforms. This covers the cost of labor for installation and configuration, software licensing, hardware (turnstiles, gates, sensors), and integration with current systems. The high capital requirement frequently acts as a deterrent for small and medium-sized businesses (SMEs), government agencies with tight budgets, or older structures that need to be retrofitted. Furthermore, especially in price-sensitive markets, extended ROI (return on investment) periods can impede decision-making and extend adoption timelines.

**Opportunity:****Growing interest in multi-factor verification**

Organizations are switching from single-factor systems, like keycards, to multi-factor authentication (MFA), which incorporates biometrics, mobile credentials, and behavioral analytics, in response to growing worries about data breaches and physical threats. New opportunities for innovation are being presented by the way pedestrian access control systems are developing to accommodate these sophisticated identity-verification methods. Moreover, businesses creating hybrid systems that can easily switch between or combine various authentication layers based on user roles or risk profiles are able to take advantage of this demand.

Threat:

### Risks of data compliance and regulatory uncertainty

The laws governing surveillance, biometric use, and data privacy are constantly changing and vary greatly across the globe. For instance, areas subject to the Digital Personal Data Protection Act (India), the CPRA (California), or the GDPR (Europe) enforce stringent regulations on the processing, sharing, and storage of personal data, especially biometric data. The legal frameworks of different nations vary, which makes it challenging for vendors to provide a product that is universally compliant. Both vendors and users of pedestrian access control systems run the risk of facing fines, product recalls, or prohibitions for noncompliance with compliance regulations.

Covid-19 Impact:

The COVID-19 pandemic shifted attention to contactless and hygienic entry solutions, which greatly accelerated the adoption of pedestrian access control systems. Touchless alternatives like facial recognition, QR code scanning, and mobile-based credentials swiftly replaced or improved upon traditional touch-based systems, like fingerprint scanners or physical keypads, in order to reduce the risk of virus transmission. Demand increased in industries like healthcare, corporate offices, airports, and public transportation hubs, where foot traffic control and monitoring became crucial for safety and adherence to health regulations. The pandemic also brought attention to the significance of integrated, scalable, and remotely managed access systems, which prompted more investment in cloud-based platforms and Internet of Things-enabled solutions.

The RFID/cards segment is expected to be the largest during the forecast period

The RFID/cards segment is expected to account for the largest market share during the forecast period because of their cost-effectiveness, broad adoption, and ability to work with current infrastructure. Commercial buildings, educational institutions, transit hubs, and residential complexes are frequently equipped with these systems, which use radio-frequency identification to grant or deny access. Because of their dependability, scalability, and ease of use, they are frequently used in large-scale deployments. Moreover, RFID/cards continue to dominate the market despite the rise of newer technologies like biometrics and mobile access because of their cheaper installation costs, low training requirements, and compatibility with more extensive security and

identity management systems.

The transportation hubs segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the transportation hubs segment is predicted to witness the highest growth rate. The need for sophisticated pedestrian management and security solutions is being driven by the quick global expansion of metro networks, airports, bus terminals, and train stations, especially in emerging economies. To effectively and safely handle enormous passenger volumes, these sites require multi-modal authentication, high throughput, and real-time monitoring systems. Demand is further accelerated by the post-COVID-19 focus on contactless entry, queue management, and integration with ticketing and surveillance systems. Additionally, government programs to improve passenger safety and update transit infrastructure are keeping this high-potential market growing.

Region with largest share:

During the forecast period, the North America region is expected to hold the largest market share, driven by widespread adoption in government buildings, commercial buildings, transit hubs, and educational establishments. Strong infrastructure, heightened security awareness, and early adoption of technologies like RFID, biometrics, and AI-enabled access control are all advantages for the area. With rising investments in smart buildings and cyber security compliance, the United States is at the forefront of implementing cloud-based and integrated systems. Furthermore, the need for strong pedestrian management solutions is fueled by strict regulatory frameworks and a focus on public safety. North America's market dominance is further cemented by the existence of significant market players and continuous improvements to legacy systems.

Region with highest CAGR:

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR because of the quickening pace of urbanization, the expansion of infrastructure, and the heightened government spending on public transit and smart cities. Advanced access control systems are becoming increasingly popular in countries like China, India, Japan, and Southeast Asia for use in metro stations, airports, business buildings, and apartment complexes. The market is expanding more quickly as a result of growing tech-savvy consumers, rising security concerns, and the post-COVID-19 expansion of

contactless solutions. Additionally, the growth of commercial real estate and supportive government policies are fostering an environment that is ideal for market expansion in the area.

### Key players in the market

Some of the key players in Pedestrian Access Control System Market include CAME Group, Honeywell International Inc., ASSA ABLOY Global Solutions, Dormakaba Holding AG, KONE Corporation, Avigilon Corporation, Bosch Security Systems Inc, Genetec Inc., URSA Gates Ltd., Allegion plc, Schneider Electric SE, Gunnebo Entrance Control Inc, Hayward Turnstiles, Royal Boon Edam International B.V., Johnson Controls International plc, Motwane Security Systems Inc and Siemens AG.

### Key Developments:

In May 2025, Genetec Inc. has signed a five-year agreement with Western Sydney University, to offer full-time students semester-long internships, providing them with practical skills in a fast-growing industry. As part of the program, students will gain valuable hands-on experience at the Genetec Sydney Experience Centre, located in Sydney's Tech Central Hub. Interns will have the opportunity to work across different company departments, including Marketing, Channel Sales, Sales, Sales Engineering and Technology Support.

In December 2024, Bosch has announced the sale of its Building Technologies division's product business for security and communications technology to the European investment firm Triton. Terms of the deal were not disclosed. The transaction encompasses three business units – Video, Access and Intrusion, and Communication – that represent the entire product business of Bosch Building Technologies that was offered for sale.

In December 2024, Honeywell announced the signing of a strategic agreement with Bombardier, a global leader in aviation and manufacturer of world-class business jets, to provide advanced technology for current and future Bombardier aircraft in avionics, propulsion and satellite communications technologies. The collaboration will advance new technology to enable a host of high-value upgrades for the installed Bombardier operator base, as well as lay innovative foundations for future aircraft.

### Product Types Covered:

Optical Turnstiles

Swing Gates

Full-Height Turnstiles

Speed Gates

Security Doors

Tripod Turnstiles

Paddle Gates

Components Covered:

Access Control Software

Services

Operation Modes Covered:

Manual

Automatic

Technologies Covered:

RFID/Cards

Keypads/PIN

Biometric

Mobile Access

## AI/IoT-enabled Systems

### End Users Covered:

Commercial Buildings

Government and Private Offices

Transportation Hubs

Educational Institutions

Healthcare

Industrial

Residential Complexes

Other End Users

### Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & 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 2024, 2025, 2026, 2028, and 2032
- 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



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