
Market synopsis

World access control market is expected to reach USD 12.53 billion in 2023 with a CAGR of 9% during the forecast period 2018-2023. The major factors contributing towards the market growth include high adoption of access control solutions, higher technological advancements and deployment of wireless technology in security systems, and wider adoption of IoT based security systems with cloud computing platforms. Due to the growing security concerns, there is a higher adoption of access control solutions witnessed by major enterprises and residents across the globe. The increase in crime rate, illegal perimeter intrusion, and cyber-attacks have given rise to securing necessary equipment, essentials in homes, and even individual safety. The adoption of access control as a service and mobile-based access control are expected to provide a significant opportunity for the market growth.

Access control is one of the advanced measures to enhance security allowing the person to modify the security protocols for database and simultaneously control user access. Access control solutions are based on storing the identity of a person either by biometrics, or access card, and then verifying the same to provide access to a particular area in the enterprise. One of the providers of access control system, Princeton Identity has created a multi-biometric access control solution for shipping containers. It is designed to identify people as they pass through the shipping container.

Most of the office premises have made it compulsory for their employees to have more than one access control method: one for entering the commerce/IT premise and one for entering the particular office premise. While the adoption of access control solution increases, government is also taking an interest in protecting its assets. Governments across the US and Europe have installed time-based access to a particular commercial or public premise, and restricted entry to the general public at certain places. However, lack of awareness about advanced security systems, and security concerns regarding unauthorized access and data breach in enterprises pose challenges to the market growth.

Segmentation

By technology, the market is segmented into authentication systems, detection systems, alarm panels, communication devices, and perimeter security system.

Authentication system is further segmented into biometric, card-based, touch screen and keypads, door contacts, intruder alarm systems. The detection system is further segmented into motion detector, glass break detector, and door/window sensor. Perimeter security systems are further segmented into free standing perimeter security and buried perimeter security.

By application, the market is segmented into homeland security, commercial, industrial, and residential. Homeland security is further segmented into defense and government buildings. Commercial is further segmented into airports, financial institutions, healthcare, telecommunication, and stadiums.
Regional analysis

The access control solution has witnessed a huge adoption over the past decade in various industries, enterprises, and residential properties across North America, Europe and the rest of the world. However, Asia-Pacific is expected to grow with the highest CAGR during the forecast period. The growth of Asia-Pacific region is due to wider acceptance of foreign companies setting up their manufacturing plants. With this, various regional as well as local IT enterprises, and startups have been established which is expected to create a need for more security of their assets. In countries like China, Japan, and India, there is a revolution in the residential properties. The properties are now equipped with advanced biometric-enabled access control which reduces the risk of burglary and theft. The major factor behind growth in residential access control is urbanization.

On the other hand, countries like the US, Canada, Germany, and the UK already have established markets. These countries along with a few other countries in Europe were early adopters of access control solution in office and residential premises. North America was the dominating region in 2017 owing to the planned residential areas, office spaces, and commercial and government properties. However, recent immigration in the US has led many citizens with a risk of theft or perimeter intrusion. This has alternatively led to the growth of access control market in the US.

Global Access Control Market, USD Billion

![Graph showing the global access control market from 2017 to 2023.](source: MRFR Analysis)

The global access control market is expected to reach USD 12.53 billion in 2023 with a CAGR of 9% during the forecast period 2018-2023.

**Key players**

The major players included in access control market are identified by competitive benchmarking of all the vendors offering their products and services. This benchmarking is based on product portfolio, industry experience, geographical coverage, recent developments, and business strategy. The key players are ASSA ABLOY AB (Sweden), Gemalto N.V. (Netherlands), Allegion PLC (Ireland), NEC Corporation (Japan), Tyco International PLC (Ireland), Honeywell Security Group (US), Bosch Security Systems Inc. (Germany), Gunnebo AB (Sweden), Crossmatch Technologies Inc. (US), and NAPCO Security Technologies Inc. (US). These players comprise nearly 65-70% of the total access control market.

However, the market of access control is very competitive concerning the strong need of security and privacy by various enterprises and residential users. The other players contributing in the market are Dorma+Kaba Holding AG (Switzerland), Identiv, Inc. (US), Nedap N.V. (Netherlands), Suprema HQ Inc. (South Korea), Ot-Morpho (France), Amag Technology, Inc. (US), Forescout Technologies, Inc. (US), Lenel Systems International, Inc. (US), Brivo, Inc (US), Vanderbilt Industries (Ireland), Adman Technologies Pvt. Ltd. (India),
Axis Communications AB (Sweden), Access Control Innovation (Hong Kong), Time and Data Systems International Limited (UK).

Intended Audience
- Technology Investors
- Research Institutes
- Government and Defense Department
- System Integrators
- Distributors and Manufacturers
- Electronic Access Control Equipment Manufacturers
- Government
- Security Agencies
- Original Equipment Manufacturers

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