India Access Control Market Segmented By Component (Software, Hardware), By Access Control Systems (Card Reader, Biometrics, and Others), By Type (Discretionary Access Control (DAC), Mandatory Access Control (MAC), Role-based Access Control (RBAC), and Attribute-based Access Control (ABAC)), By Deployment (Cloud, On-premise), By Industry Vertical (Healthcare, BFSI, IT and Telecom, Aerospace and Defence, and Other), By Organization Size (SMEs, Large Enterprises), By Region, Competition, Forecast and Opportunities, 2029

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Abstracts

India access control market is growing due to the increasing adoption of mobile access control has led to an increased focus on access control to overcome the need for faster system response through mobile and optimize the performance. Moreover, the technological advancement in access control has further boosted the demand for access control. Government's measures such as Make in India initiative, emphasis on self-reliance, and acceptance of new products through Indian government are further increasing the demand for more access controls as certification from the Bureau of Indian Standards (BIS) is essential for products to enter the Indian market. For instance, in February 2023, the BIS approved the Alcatraz AI's Rock system for biometric building. Moreover, the market is anticipated to be driven by digital transition of companies, which enables businesses to progress towards digital transformation, which requires cloud-based applications, Thereby, relying on access control establishment for security can drive the market's growth. Additionally, the emergence of blockchain

technology, cloud computing, and the internet of things for connected devices help to impose a positive outlook on the market. These factors are promoting the development of the access control market of India throughout the forecast period.

Access control is an essential element of security that determines who is allowed to access certain data, apps, and resources. Access control policies heavily rely on methods like authentication and authorization, which enable organizations to explicitly confirm that users are who they claim to be and that these users are granted the proper level of access based on context, including device, location, role, and many other factors. Access control establishes users' identities by authenticating a variety of login information, such as usernames, passwords, PINs, biometric scans, and security tokens. Many access control systems also include multifactor authentication (MFA), a method that requires multiple authentication methods to verify a user's identity. Access control prevents sensitive data from getting into the wrong hands, including customer information, personally identifiable information, and intellectual property. The contemporary zero trust security system, which employs a variety of measures to continually check access to the corporate network, also heavily relies on this crucial element. Access control majorly aims to prevent malicious individuals from gaining access to sensitive data. Different types of access control models, such as discretionary access control (DAC), role-based access control (RBAC), mandatory access control (MAC) and attribute-based access control (ABAC) are enabling administrators to access sensitive information in a unique way. Moreover, access control is a vital component of security strategy and a prominent tool for enterprises to minimize the security risk of unauthorized access to data.

Enterprise Dependence on Cloud-Based Applications to Fuel the Demand for Cloud-Based Systems in India

Due to the simplicity and it's cost effectiveness, the cloud-based solutions are preferable among businesses of all sizes over traditional ones. Today many enterprise systems, including email, sales CRMs, marketing tools, productivity tools, IT infrastructure, communications, and website hosting, run in the cloud. The number of Access Control as a Service (ACaaS) applications that allows for remote security management through the web, is multiplying, which has significantly increased the demand for the cloud-based system. The need for these solutions is being accelerated by beneficial elements like high security, adaptability, multi-site administration, and operational improvement. In addition, the ability to manage numerous sites with a single system has made the adoption of cloud-based solutions an emerging trend. This solution makes it simple to control access to all sites. The need for these solutions is

being driven higher by steadily expanding logical and physical security concerns in industrial and manufacturing facilities. Industrial and manufacturing facilities along with the military and defence sectors are increasingly seeking for remote security solutions. Moreover, the adoption of cloud-based systems is also largely driven by real-time and remote access revocation, continuous data backups, zero downtime, quick production evolution, and continual security updates. Therefore, the enterprise dependence on cloud-based applications is fuelling the demand for cloud-based systems. These factors propel the growth of access control in the Indian market.

Adoption of Mobile Access Control by the Enterprises

The use of mobile based credentials is the organic evolution for the physical security and access control industry. With the rising necessity and growth of mobile access, over half of the projected businesses will transition away from the legacy systems in the coming years. Around 44% of office workers in the enterprises noted that the pandemic has made access control an even more important issue. According to Ministry of Information and Broadcasting Secretary, India has over 1.2 billion mobile phone users where 50% of the population uses a smartphone, and they have it with them all the time. The population in smart phone users in India is growing drastically and adopting mobile access control as a convenient solution. For instance, in 2019, a survey by HID estimated that 54% of businesses have upgraded or will upgrade to a mobile access control system in the next 3 years. Around 70% of enterprises adopting biometric authentication for access in the workforce will execute it via smartphone apps, regardless of the endpoint device being utilized. In addition, key cards are inconvenient, clocking in as the second most forgotten item as most of the key cards are unencrypted proximity RFID cards that can be cloned easily. Even mobile credentials also offer a more secured solution. Moreover, the need for security in the business, impact of mobility, increase in security investment and productivity has enabled enterprises to adopt mobile access control as a solution to secure their business. Therefore, a strong shift towards mobile access control by the several enterprises are attributing the growth of access control in the Indian market.

Advancement in Access Control Technologies is Propelling Growth

To meet the demand for more sophisticated and secure access technology, which is an essential component of physical security systems, numerous companies are developing cutting-edge technologies. The convergence of digital identity with physical identity are made possible by the systems' integration of artificial intelligence (AI) and machine learning (ML). Moreover, because operating through a mobile device is convenient,

businesses are quickly implementing mobile access control. Additionally, the cost of the systems has decreased thanks to cloud-based access control technologies, making them more affordable for small-scale businesses to adopt. Mobile credentials are also being used for both multimodal and multi factor authentication. Additionally, cutting-edge features like biometric access control, multi-factor authentication, multimodal authentication, blockchain authentication, and other features are drawing more and more customers to adopt access control systems.

The market for access control is being driven ahead by the growing demand for increased security in various urban and industrial sectors, as well as by the expanding cloud-based and access control trend. The access control industry is driven by the demand for remotely accessible residential connection access controls as well as the rapid expansion of software system use for management and staff protection. The rise in consumer demand for solutions that would make access control convenient, the wide adoption of IoT, the popularity of access controls, which offer features like log keeping, personal responsibility, and the security and safety of workplaces, all have a significant impact on the India access control market.

The need for access control systems is projected to increase due to the security industry's rapid transformation and the introduction of wireless access points and cloud computing. The demand for physical security will also be fuelled by the growing number of smart infrastructure projects, including smart houses, buildings, and buildings. New prospects for cutting-edge technology are being created by the expanding use of wireless security systems, rising crime rates, and the rising popularity of cloud computing platforms.

Moreover, the India access control market is being driven by the increasing frequency of organised crime that focuses on data theft because of the growing digitalization. Biometric scanners are being widely used in a variety of applications in the healthcare, financial, and commercial sectors, which is accelerating the industry growth. Their demand for authentication is increasing because of the expanding advancements in biometric security. Biometric scanners' security is rising because of the growing use of authentic methods, which is helping the IT, cybersecurity, and corporate sector develop. Additionally, the growing practise of continuous authentication in the cybersecurity sector is driving up demand for biometric scanners and supporting the expansion of the sector.

Market Segmentation

India access control market is divided into component, access control systems, type, deployment, industry vertical, organization size, and region. Based on component, the market is divided into software, hardware. Based on type, the access control market is bifurcated into discretionary access control (DAC), mandatory access control (MAC), role-based access control (RBAC), attribute-based access control (ABAC). Based on access control systems, the market is segmented into card reader, biometrics, and others. Based on deployment, the market is bifurcated into cloud and on-premise. Based on industry vertical, the market is divided into healthcare, BFSI, IT and telecom, aerospace and defence, and others. Based on organization size, the market is divided into SMEs and large enterprises. Based on region, the market is divided into East, West, North, and South.

Market Player

Major market players in the India access control market are Johnson Controls, HID India Pvt. Ltd., ZKTeco Biometrics India Pvt Ltd., Realtime Biometric Co. Ltd, Matrix Comsec Pvt. Ltd., Siemens India Private Limited, Robert Bosch GmbH, IDEMIA Ltd., Mantra Softech (India) Pvt. Ltd, and Honeywell International India Pvt. Ltd.

Report Scope:

In this report, the India access control market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

India Access Control Market, By Component:

Software

Hardware

India Access Control Market, By Access Control Systems:

Card Reader

Biometrics

Others

India Access Control Market, By Type:

Discretionary access control (DAC)

Mandatory access control (MAC)

Role-based access control (RBAC)

Attribute-based access control (ABAC)

India Access Control Market, By Deployment:

Cloud

On-premise

India Access Control Market, By Industry Vertical:

Healthcare

BFSI

IT and Telecom

Aerospace

Defence

Other

India Access Control Market, By Organization Size:

SME's

Large Enterprises

India Access Control Market, By Region:

East India

West India

North India

South India

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the India access control market.

Available Customizations:

India access control market report with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

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The data given for any year represents the market during the period, i.e, 1st April of the former year to 31st March of the latter year. Eg: For FY2024E, the data represents the period, from 1ST April 2023 to 31st March 2024.

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