



ASSA ABLOY



# Access Portal **SOLUTION**





# Trusted Technology for Access Control Elevating Security and Efficiency

Welcome to the realm of trusted technology in access control with our cutting-edge Access Portal software designed to meet the evolving needs of modern enterprises. Explore the myriad features that empower your security infrastructure and streamline operations.

Here's a glimpse of what our software offers.

## Reporting and Monitoring

### Comprehensive reporting and auditing

Gain valuable insights into access patterns, security incidents, and operational metrics with comprehensive reporting and auditing functionalities, enabling data-driven decision-making and compliance adherence.

### Scheduled Reports

Stay organised and informed with scheduled reports, allowing you to receive regular updates on employee absenteeism and hours at work, and other HR related metrics. You can stay ahead of potential threats and compliance requirements with scheduled reports showing access activity, system health, and security incidents.

### Personalised Dashboard, Widgets & Live Monitoring

Customise dashboards with widgets for live monitoring, providing real-time insights into access activities, alarms and system performance.

## Messages

Facilitate communication within the system through messaging features, ensuring smooth collaboration among operators and stakeholders

## Security Management

### Operator Security

Empower your team with customisable security profiles, ensuring that each operator has access to the right functionalities based on their role, enhancing accountability and streamlining operations

### Site and Door Access Permissions

Take control of your premises with granular access permissions for sites and doors, allowing you to define who can access specific areas, at what times, and under which conditions.

### Access & Security Maintenance

Perform routine maintenance tasks, manage access privileges, and enforce security policies effectively to uphold system integrity.

## Diagnostics

Monitor system health and diagnose issues promptly with comprehensive diagnostics tools, minimising downtime and ensuring continuous operation.



## System Setup and Integration

### Accelerated System Setup, Presets & Onboarding Tools

Say goodbye to lengthy setup times. Access Portal comes equipped with accelerated system setup, presets, and onboarding tools, enabling swift deployment and seamless integration with your existing infrastructure.

**Batch Operations:** Streamline administrative tasks and save time with batch operations, allowing you to apply changes to multiple users, permissions, or devices simultaneously.

**CSV Import:** Simplify data migration and user provisioning with CSV import functionality, enabling you to easily upload user information, credential information.

**Virtual Hardware:** Experience hassle-free setup and configuration with virtual hardware options, eliminating the need for physical devices during the initial setup phase, while providing the same level of functionality and security.

### Built-in diagnostics

Access Portal includes built-in diagnostics that can be quickly and easily exported to our technical specialists, to ensure any problems encountered are rapidly resolved. This prevents long delays in sourcing the cause of the problem, as well as the integrity of the site as no external access is necessary. Monitor system health and diagnose

issues promptly with comprehensive diagnostics tools, minimising downtime and ensuring continuous operation.

### Integration Tools & APIs

Seamlessly integrate with your existing ecosystem of security solutions and business applications using our robust integration tools and APIs, unlocking limitless possibilities for automation and efficiency.

### Translations and Regional Support

Break down language barriers and cater to diverse global audiences with multilingual support and regional customisation options, ensuring a user-friendly experience for all.

### SQL Support & Database Encryption & Security

Ensure data integrity and security with SQL support, database encryption, and robust security measures to protect sensitive information.

## FEATURE RICH

### User Interface and Accessibility:

- Personalised dashboard
- Quick links for common tasks
- Flexible operator and user profiles
- Customisable permission options, including field by field
- Bulk operations with wizards

### Security and Authentication:

- Secure audit trail
- Integrated badging
- Visual verification of cardholders
- Emergency procedures (threat level)
- Biometrics





## ADVANTAGES

### System Management and Administration:

- Multiple tag encoding options, direct from the software
- Dual and multi-tagging
- Single and multiple site management
- Integrated card printing functionality
- API for Integration

### Reporting and Analytics:

- Extensive standard reports
- Automated reports
- Customisable reports
- Comprehensive reports

## Access Control Features

### Zoning, Routing, Sites & Buildings

Organise and manage your facilities efficiently with advanced zoning and routing capabilities, optimising workflow and enhancing security across multiple locations. Our software offers comprehensive support for various zoning features, including:

**Common Zones:** Streamline access management for shared areas and facilities with common zones, allowing for centralised control and monitoring of frequently accessed spaces.

**APB (Anti-Pass Back):** Prevent unauthorised access and enforce security policies with anti-pass back functionality, ensuring that individuals cannot enter or exit a secure area without proper authorisation, thereby minimising the risk of tailgating.

**Inter-leading Zones:** Control movement between different areas of your facility with inter-leading zones, allowing for sequential access permissions, enforced workflows and enhanced security protocols for restricted zones.

**Nested Zones:** Customise access permissions with nested zones, enabling hierarchical control and delegation of access rights within larger zones or buildings, providing granular security management tailored to your organisational structure.

**Interlocking doors:** Interlock doors to create mantraps for when tight control of movement is required.

### Door Modes & Action Event Mapping

Define door modes to change door reader behaviour based on time of day. Use time patterns or events to trigger specific responses in access control and adjacent systems, such as control of lighting, sirens etc.

### Categories & Customisations

Customise access control categories according to your specific requirements. This allows clear differentiation between access control user types (e.g. Students, vehicles, golf caddies, cleaning staff), enhancing system usability and management.

With Access Portal, you can add custom fields to views and tailor enrolments, empowering you to adapt the system to unique verticals or customer needs seamlessly.

### Card Design, Printing & Encoding

Design and print access cards or encode data onto them seamlessly within the software, simplifying card management processes.

## Enhanced Security Measures

### Facial Recognition, Fingerprint, & Hand Recognition

Embrace the latest in biometric technology for enhanced authentication and identity verification, ensuring the highest level of security without compromising user convenience. Access Portal seamlessly and natively integrates with leading





biometric brands, including: Idemia; Control iD; Suprema; Hikvision.

#### Mobile Credentials

Embrace the convenience of mobile credentials, allowing authorised users to access designated areas using their smart phones, eliminating the need for traditional key cards or fobs. Experience unparalleled security, flexibility, and efficiency. Elevate your organisation's security posture and unlock new possibilities for seamless access management.

#### Threat Levels

Respond effectively to security threats by adjusting threat levels and implementing corresponding security measures, through system behaviour, in real-time.

#### Duress Codes

Enable duress codes for emergency situations, allowing users to discreetly trigger alarms and notify security personnel in case of threats or emergencies.

#### Visitor and Workforce Management

##### Dual Tag, Hosted Visitor & Workforce Safety

Implement dual tag authentication or manage hosted visitors for enhanced security and visitor management. Manage workforce safe access to work areas, denying access when worker safety criteria have expired.

#### Guard Tour

Optimise security patrols and monitoring activities with guard tour functionalities, ensuring comprehensive coverage and adherence to security protocols.

#### Site Management and Operations

##### Site Management

Manage multiple sites efficiently with centralised site management tools, streamlining operations across distributed locations.

##### Elevator Control

Manage elevator access permissions seamlessly, ensuring secure and controlled movement within buildings or complexes.

##### Suspension Facilities

Suspend access privileges for specific users or areas needed, providing an additional layer of security and control.

#### Additional Features

##### Wireless Readers & Locks

Deploy wireless readers and locks for flexible access control solutions, enabling easy installation and management without the need for extensive wiring.

## MOBILE ACCESS

- Access made easier with your mobile.
- Seamless access with added security based on phone security options.
- Electronic delivery of credentials directly to users.

## REPORTS

- Standard Reports
- Customise and filter with ease
- Build your own custom reports

## INTEGRATIONS

If you need to integrate a new hardware device or software solution, our extensive API makes it easy, intuitive and secure.



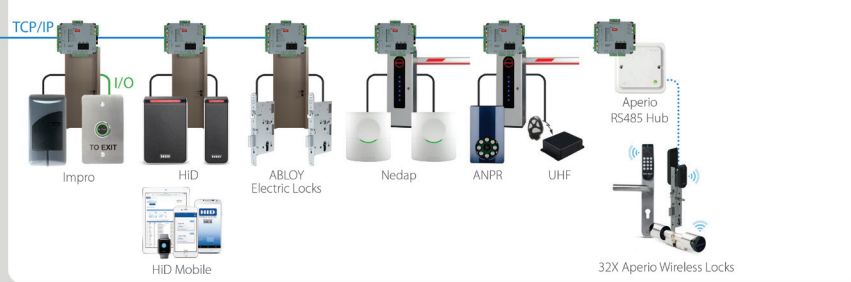
### Enterprise (Increased limits and integration)



### Clustering architecture (Cabling to central point)



### Distributed architecture (Door controller at each door)



## WHO CAN USE ACCESS PORTAL?

The software is designed to meet the needs of any operation wanting to secure their premises, from small businesses all the way to multi-site enterprises.

With more than 3 decades experience in the industry, our solutions are suitable for a variety of applications, including:

- Education
- Mining and heavy industry
- Manufacturing
- Commercial and business sectors
- Retail
- Health care
- Banking and financial institutions
- Entertainment and leisure
- Residential estates and gated communities

The flexibility of Access Portal makes it an ideal solution for almost any application, as the adaptability of the software suits any installation, large or small.

## Flexible Architecture Support

### System and Enterprise Controller Options

Adapt to changing business requirements effortlessly with our flexible architecture support, allowing for easy scalability and integration with third-party systems. Our software supports a wide range of controller types, including:

- Enterprise Controllers: Centralize control and management of your access control system with robust enterprise controllers, ideal for large-scale deployments and complex organizational structures.
- Cluster Controllers with Add-on Door Modules: Expand your system's capacity and functionality with cluster controllers featuring add-on door modules, providing scalable solutions for growing businesses and evolving security needs.
- Distributed Door Controllers: Enhance security at the point of entry with distributed door controllers positioned at each door, ensuring localized control and redundancy for increased reliability and resilience.

### Reader\Expansion Modules

The partner to the cluster controller is the module. Our controllers are compatible with all modules, making ordering and installation simpler.

A key benefit of our modules is the ability to hot-swap units without impacting on the system - simply unplug and replace.

#### Want to expand the system?

Just plug in more units, to scale quickly and easily. Most modules offer the ability to have readers up to 150m from the unit with the exception of the secure OSDP variant which allows for a distance of 1000m with added bi-directional communication. All modules feature and include end of line sensing for additional security.

All modules are available for installation into a metal housing, or equipped with a plastic housing. Our modules feature OSDP, Wiegand, Input/Output and legacy Antenna and S-series variants. Each of these variants offers versatility, convenience and security. Our latest OSDP\Wiegand modules provides the best in security with OSDP as the new industry norm but is able to support legacy wiegand for existing or legacy installations.









## Access Portal V5 new features

### Integration Features

#### Control iD – iDFace Integration

At the centre of this new upgrade is the integration of a new facial recognition brand, Control iD, recently acquired by Assa Abloy. iDFace is a facial recognition device containing a high-quality algorithm which enables face liveness detection, authentication of mask-wearing users and identification of up to 10,000 faces (1: N).

#### iTRT2 Distributed Controller

(System Controller Mode)

Version 5.0 of the Access Portal software also allows you to leverage the complete benefits of Impro's recently released iTRT2 controller.

This means that you can use an iTRT2 in system controller mode (APC) which allows you to have cost-effective redundancy, with full validation at every door. The auxiliary relay and extra inputs are configurable from the software if you need extra IO.

The iTRT2 also supports OSDP communication and legacy Wiegand, thereby raising the level of security on your edge devices. The iTRT2 is now available with a sealable plastic box to protect it from the installed environment. A variant of the iTRT2 in a metal box complete with an integrated power supply is also available to order.

#### Aperio & Abloy EL series locks

Impro has chosen to integrate deeply into the Assa Abloy portfolio of products, and we are excited to unveil our new hardware level integration into Aperio. We now offer full redundancy for Aperio installations with Access Portal V5 via Impro's Enterprise controllers.

This brings the integration in line with Impro's robust architecture, where controllers are the decision making back-bone. There is no single point of failure and up time is ensured. Enterprise controllers can now manage up to 64 Aperio locks via 4 Aperio IP hubs. This is a best-in-class integration, which offers you support for extra functionality like "Office Mode," allowing you to leverage the best features of the Aperio family of digital locks. Another hardware integration supported by Access Portal V5 is Abloy's EL series locks with the EL version of the iTRT2 controller.

This controller variant allows you to connect an EL lock (like the Abloy EL560 or EL561) and leverage all the locks' outputs. This provides you with an audit trail of what is going on at the door. You can track whether the door was opened via a physical key, or be alerted when it has been forced open or kept open too long. This deep physical integration with the EL lock is the first of its kind globally!





## Reporting and Monitoring

### Scheduled Reports

A much-anticipated feature is the ability to schedule the dissemination of access reports via email. This feature is now available under the reports section of Access Portal. You can now customise any report and distribute it daily, weekly, monthly, or at your preferred frequency. You have greater control over your site, with streamlined monitoring and management.

## Visitor Management

### Hosted Visitor

Portal V5.0 facilitates the secure hosting of on-site visitors. A host can chaperone one or more visitors, with access points opening once both the visitor and hosts' credentials have been presented.

## Security Enhancements

### Database Encryption

Impro has responded to the growing threat of cyberattacks with an ongoing program of cybersecurity improvements. This release of Access Portal includes support for the database encryption that can be configured on the SQL Server installation, as part of that cybersecurity improvement program. Impro Support can assist with details on SQL Server encryption & configuration.

## Credential Management

### Credential Management Automations

A new feature automates the suspension of unused tags and the deletion of expired credentials. Unattended and unused credentials pose a threat to security. This automation feature removes these threats without requiring ongoing monitoring and administration.

The screenshot displays the Access Portal Server web interface. The main navigation bar includes 'Level', 'Health', 'Hardware', 'Security', 'Clients', and 'Tools'. The 'Tools' menu is active, showing options like 'Import People/Assets', 'Maintenance Tasks', 'Monitor Pool', 'Privacy Settings', and 'Biometric Public Keys'. A 'Scheduled Tag Cleanup' dialog box is open, prompting the user to confirm the deletion of expired tags and suspension of unused tags. The dialog includes a 'Confirm' section with a list of items to be deleted/suspended, a 'I agree to the above' checkbox, and fields for 'Username' (SYSDBA) and 'Password'. There are 'Disagree' and 'Agree' buttons, and a 'Save' button at the bottom.





## Why choose Impro Technologies?

### Technical experts

We have an extensive range of technical specialists to assist in both pre- and post sales guidance. From field application engineers, to a specialist client services division, our focus is on providing customers with the support they need to succeed.

This extends to technical support which is available 24-hours a day, 7 days a week. In addition, personalized on-site support is available to customers worldwide as a premium service. Please contact your local sales consultant to learn more about this premium service.

### Accredited training

Our dedicated training centres provide an extensive range of accredited training in all aspects of access control. To ensure the effective installation of Access Portal, it is recommended that customers request a copy of the installers accreditation certificate, which signifies the individual has completed Impro's training.

In addition to our training centres, we offer on-site training at customers' premises globally.

### Warranty and repairs

As the manufacturer, we are able to offer a variety of warranty options for customers, including up to five years for hardware. Our manufacturing facility also provides a repair service for products outside of warranty, which is cost effective and ensures the ongoing use of the product.

### Quality

We pride ourselves on our quality, not just of products but also personal service. Relationships with customers and distributors span many decades, whilst our products are tried and tested around the world, with many installations still operating successfully over 20 years later.

In those rare instances that you experience a problem, you can be assured that Impro will not rest until it is suitably resolved – whether it's a technical support query or a product issue.

### Proudly South African

Founded in South Africa in the late 1980s, we are exceptionally proud of our heritage. Today, our operations continue to be based in Durban, South Africa, encompassing R&D, engineering and manufacturing.

Having all our design and production within one facility has the additional benefit of complete control over every step of the process, to ensure our standards are maintained.

For customers, it provides the additional benefit of flexibility in turnaround times, as we are able to quickly scale up our manufacturing facilities to meet exceptional demand.





## Looking to the future

### **More than access control**

Whilst access control's primary objective is to control access to premises, Access Portal provides additional features that enhance operational objectives, such as health and safety.

For example, through the use of Access Portal, plant machinery can be locked down to only allow qualified personnel to start the equipment.

In safety critical operations, such as mining, personnel can only be allowed to enter the shaft if their safety certificate is valid and all personal protective equipment is assigned to the user.

Integrate specialist biometric devices, such as facial recognition, and mines can be assured that only authorised personnel are able to enter high danger zones.

The integration of breathalysers enables end-users to enforce company policies whereby employees cannot enter the site if the reading is too high, and an alert is received by the relevant management division.

Routine tasks can also be performed automatically, for example, the disarming or arming of an intrusion alarm as employees arrive or depart from work; or sirens being activated during scheduled times of the day for manufacturing environments.

### **Future proofing**

Access Portal users can receive software upgrades through the year, which incorporates a variety of new features and technological advances, such as the integration of new global secure card technologies, or the deployment of cloud solutions where on-site server equipment is no longer needed.



**Impro Technologies**

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the access control industry

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