PegaSys intelligent access control systems offer a wide choice of electronic and mechanical entry components based on the newest RFID technology.

In our “fast-paced” lives one thing is for sure: nothing stays the way it is. Security installations must be flexible in adjusting to new situations. Staff changes, lost keys or structural changes all must be accommodated for.

In short, whether you are responsible for the safety of a hospital, care home, airport, office, university or industrial building; whether it’s for one door or a thousand, at a single location or several; the PegaSys intelligent access control system provides a cost-effective, flexible solution to not only fulfill your current needs, but to adapt to your future needs as well.

Flexible solutions

How often do you need to change access rights?

Continually:
Total control to change immediately

Regularly:
On a weekly basis

Occasionally:
Only as employees start or leave

How many sites do you need to control?

Single site
2 - 4 sites
Multiple sites +

Offline
Stand Alone
Network on Card
Validation
Online / Offline
Adapting to your changing needs

Offline stand alone

A cost-effective and simple solution for the protection of individual doors. There is minimal installation cost thanks to battery-powered offline components. The use of a setup-card means there is no need for software to program the offline stand alone system.

Offline “NetworkOnCard” system

A solution designed to manage a greater number of doors and users with different access time profiles. The management of the system software and the user permissions are recorded on an identification card. As a result, extensive programming of the offline components is no longer required which saves on administrative costs.

Validation of online and offline systems

A solution for multiple doors as required and users with different time profiles. The software is managed via a central user database. Changes can be made to the user permissions and the time signatures on identification cards can be amended over validation terminals, as and when required. The integration of online terminals in the system is also possible.

Wireless access control systems

PegaSys Wireless belongs to the new generation of Allegion real-time access control systems. In adding wireless functionality to PegaSys battery-powered electronic door terminals, it combines the security and efficiency of both real-time and offline solutions in one scalable and upgradable system. The PegaSys wireless door terminals are connected cable-free to the PegaSys wireless gateways or to the PegaSys repeaters made to extend the wireless network coverage, which interact with the central PegaSys wireless controller managing the wireless service and Ethernet plugged to the PegaSys 3000.

Offline stand alone

The ideal solution for small businesses, server rooms, offices, surgeries, shops, factories or residential buildings with a maximum of 50 people and five doors. PegaSys door terminals, PegaSys electronic cylinders and/or locker security are mounted on appropriate doors. The credentials (cards or tags) are then activated for the user with the setup-card. If a credential is lost it will be deleted from the system by the “Programming” card. In addition, the terminal can be programmed with an automatic unlock function. With this solution no audit data will be stored. Authorised users are not subjected to time restrictions.

Features & Benefits

- Easy installation.
- No software needed.
- Cost-effective credential (Mifare Classic, Mifare DESFire, Legic Prime, Legic Advant).
- Can be operated with existing credentials.
- Credentials are compatible with other systems (time and attendance systems, accounting system etc.).
- Credentials can be deleted from the system through changes to access rights.
- The system can be upgraded to a “NetworkOnCard” system as needs change.

Offline stand alone
Offline NetworkOnCard

This system is a solution for a larger number of doors and multiple users with different time profiles. Frequent changes in access rights and a regular fluctuation of authorised users are not expected. Doors, time profiles, users and their credentials are controlled on a PC running the PegaSys 3000 software. Authorisation will be recorded onto the user’s credential (cards or tags) by USB readers or other writing devices. The extensive programming of offline components (door terminals, electronic cylinder, locker security, wall readers) is, therefore, no longer needed.

Features & Benefits

- Additional wiring not required.
- Central maintenance and programming.
- Quick changes can be made to authorisation.
- Maximum 1024 door groups per 16 time profiles.
- No limit on the maintenance of terminal devices or people.
- Cost-effective credential (Mifare Classic, Mifare DESFire, Logic Prime, Logic Advant).
- Can be operated with existing credentials.
- Interface and integration with other systems (time and attendance systems, accounting system etc.).

Online / offline validation

This system is a solution for multiple doors and users in widespread building complexes and large-scale buildings with regular changes to access rights. Decisive criteria for this solution include a central database which is installed on a server, and the maintenance of the data through an Ethernet network. The user credentials have time-restricted authorisation that can be rewritten at decentralised validation readers. The validation readers are linked to the existing network through an online controller. Any changes in authorisation will be automatically recorded by the renewal of the time signature. Upon the expiry of the time signature that is freely selectable by the administrator (e.g. 24 hours, 7 days etc.) the user’s authorisation rights are invalidated.

Features & Benefits

- Central maintenance and programming.
- Quick changes can be made to authorisation.
- Maximum 1024 door groups per 16 time profiles.
- Cost-effective credential (Mifare Classic, Mifare DESFire, Logic Prime, Logic Advant).
- Can be operated with existing credentials.
- Decentralised validation reader.
- Automatic expiration of credential validity.
- Interface and integration with other systems (time and attendance systems, accounting system etc.).
In order to further simplify things for the system administrator we have expanded our products around a NFC interface, which can be used to programme and update the offline components through a laptop (netbook) or tablet. As a result the programming card will be replaced and the update and retrieval of terminals made significantly easier. In addition a checklist for maintenance, updates for firmware, time and date synchronisation, battery status and diagnoses will all be provided. Users who have the programming card in operation can change to the PegaSys mobile solution (software and reading/writing unit NFC interface) at any time. The PegaSys hardware version 2.1 or higher is therefore required.

**Features & Benefits**
- Large time saving for the system administrator.
- Quicker reaction time to changes.
- Updates on firmware.
- Automatic adjustment of the system time on offline components.
- To-do-list for administrators.
- Additional technician mode (failure diagnosis).
- Audit trail data can be selected unrestrictedly and delivered to maintenance software.
- Automatic synchronisation between offline devices and the software.

Wireless Communication - a new generation of real-time access control. In adding wireless functionality to PegaSys battery powered electronic door terminals, it combines the security and efficiency of both real-time and off-line solutions in one scalable and upgradeable system. The PegaSys wireless door terminals are connected cable free to the PegaSys wireless gateways or to the PegaSys repeaters made to extend the wireless network coverage, which interact with the central PegaSys wireless controller managing the wireless service and Ethernet plugged to the PegaSys 3000. The advantages of the wireless function such as blocking stolen or lost credentials in real-time and monitoring the battery status of the door terminals are key features for reliable and efficient offline access control.

**Features & Benefits**
- Wireless fidelity 802.15.4 at 2.4GHz as per 802.
- AES 128-bit encryption.
- Available for Mifare Classic and DESfire.
- Optimal utilisation of radio frequencies for data transfer to PegaSys door terminals.
- Retention of the functionality in case of interrupted wireless connection.
- Black list management, date and time synchronisation, battery status monitoring, access recording.

Overview on page 17.
Special solutions

- Integration into telecommunication devices and modules
- Read In / Read Out PegaSys terminals
- Glass doors applications
- Mailbox systems
- DIN 18273 For fire rated doors
  FD30 - FD120
- EN 179 / EN 1125 Panic and Emergency Exit Applications
- PegaSys Office

PegaSys Office door terminal

The implementation of modern architecture and superior stylish design in the field of access control: The new PegaSys Office door terminals are embedded in eye-catching state-of-the-art trims. Made of high-quality materials, the aluminum framed black and white glass covers are real eye-catchers. The scope of delivery comprises two handles, the electronic unit including battery and the credential reading unit. Without installing cables or carrying out other structural measures, these terminals can be mounted on existing doors, thus offering the benefits of security and convenience provided by an electronic access control solution based on an RFID credential.

The system is compatible with existing credentials (LEGIC, Mifare). Mifare Classic, Mifare DESFire EV1, LEGIC® Prime and LEGIC® Advant reading technologies are available. Data transfer is carried out via NetworkOnCard®. The advantage of this solution is the cost-effective, flexible integration of areas, which so far have been excluded from comprehensive access control for technical, optical or financial reasons, into the existing security architecture.

The advantages of NFC and wireless interfaces can also be used for PegaSys Office.

Features and Benefits
- Housing of Zamac with glass cover panel available in black and white.
- Suitable for both left and right closing doors.
- No power or other cables required.
- Quick and easy battery replacement through snap-in battery compartment.
- Different designs for fitting with or without mechanical cylinder.
- Blind cover for the mechanical cylinder and keyhole cover available; existing cylinder can be used without impairment.
- Audible low battery alert (deactivatable).
- Emergency opening possible if locking cylinder is mounted in parallel.
- Modular design, all components can easily be exchanged.
- Activation sensor, insensitive to light.
- Fully automatic adjustment and switchover to daylight saving time.
- Person-related, single or permanent opening.
- Automatic time-controlled locking of all permanently unlocked doors.
- NetworkOnCard - all authorisations stored on the credential.
- Permanent battery status monitoring.
- Freely adjustable door open time.
- Can integrate into PegaSys 3000 administration software and mixed with existing PegaSys e-trims and devices.
Thanks to the wide choice of hardware configurations the PegaSys system can be very easily selected to suit your specific requirements. This allows us to find the most cost-effective, visually attractive and simple solution for your installation.

Our electronic PegaSys door terminals are the ideal solution where aesthetics are valued. The classic and simple design of the terminals uses the standard DIN fixing pattern. The elegant housing made from 1.8mm thick, high-grade stainless steel, not only looks good, but also offers a durable and robust solution.

The existing locks can be utilised and the door terminals can simply be mounted back to back to provide a Read In/Read Out capability.

Since the terminals are independent of one another the entry and exit of the door can be individually controlled. For greater convenience each terminal can be disengaged on demand to enable free entrance during specified time periods.

PegaSys door terminals are also available with a “Programming” pin code.

For metal doors or framed glass doors a narrow stile version is also available.

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The electronic cylinder can be installed in place of an existing mechanical cylinder so that conversion to an electronic system can be quickly and easily carried out. These electronic cylinders can be installed hassle-free into the previous locks in just three to five minutes. They are available in an assortment of models as a half cylinder; double cylinder with reading module and internal rotating shaft; double cylinder with a read-in/read out configuration or as a furniture cylinder. The electronic cylinders are also available as outdoor solutions (IP66).

Features & Benefits
- Up to 2000 entries can be stored.
- Narrow PegaSys terminal for narrow stile doors.
- Wide PegaSys terminal for standard doors.
- Both are also available for external applications (IP 35).
- Available with different door handles.
- Quick and easy battery change (standard AA batteries) without the removal of the door terminals.
- Transfer of a low battery charge indicator to the maintenance software.
- Automatic conversion to summer/winter time.
- Possible reading protocols: Mifare classic, Mifare DESFire, Legic Prime, Legic Advant.
- Visual and aural notification on the terminals.
- Variable door opening time on demand.
- Continuous open circuit possible.
- Emergency opening by mechanical cylinders possible (mechanical override).
- Certified for smoke and fire doors by DIN 18273.
- Certified for emergency and panic exit doors to EN 179/ EN1125.
- Long battery life.

Features & Benefits
- Up to 2000 entries can be stored.
- Continuous open circuit possible .
- Possible reading protocols: Mifare classic, Mifare DESFire, Legic Prime, Legic Advant.
- Suitable for installation in Euro profile cylinder locks.
- DIN 18254: profile cylinder in modular construction/design.
- From 26/26mm to 70/70mm.
- Bigger sizes available on request.
- Suitable for use on fire doors.
- No need for installation drilling when fitted to existing doors.
- Easy installation due to the snap in shaft module.
- Disassembly of the shaft module is only possible with valid authorisation.
- Advance notice of weak batteries.
- 2 batteries included: Type CR-2 3V Lithium.
- Long battery life.
- Anti-panic version available.
- Outdoor IP66 rated version available.

Features & Benefits
- Up to 2000 entries can be stored.
- An LED for visual notification and audible signalling.
- Can be mounted vertically or horizontally.
- Visual signalling when identification has been read.
- Choice of lever operation.
- Suitable for wood or steel up to 20mm thickness.
- Possible reading protocols: Mifare classic, Mifare DESFire, Legic Prime, Legic Advant.
- Long battery life.

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- Long battery life.
Offline wall reader

Features & Benefits
- Up to 2000 entries can be stored.
- Elegant design, hassle-free integration into the environment.
- Offset relay management in secure areas.
- Special solutions possible (e.g., installation of Siedle modules).
- Tamper-proof version also available.
- Push-button contact for exit function on electronically controlled doors.
- Protection class IP 65 for outdoor applications.

The online validation reader allows access rights to be changed on a daily basis (or more frequently should you require). They should be placed at all entrance points to the building or site, but can be placed at other locations such as canteens or staff rooms, to suit your facility and its users. Whenever a user presents their card to the online reader a read/write process takes place to update the card’s access rights and to collect information from the offline locks that has been transmitted onto the card, for example low battery status. Up to 4 validation readers can be used with each online controller up to a maximum of 16 readers.

Authorisation readers / validators

Features & Benefits
- Entry rights written onto ‘NetworkOnCard’.
- Elegant design, hassle-free integration into the environment.
- Offset relay management in secure areas.
- Special solutions possible (e.g., installation of Siedle modules).
- Tamper-proof version also available.
- Push-button entrance pin/contact for exit function on electronically controlled doors.
- Combined with online entrance reader.

Online controller

The PegaSys controller is connected to a 10/100MB Ethernet network with a choice of PoE (Power over Ethernet) or a dedicated low voltage power supply. All transactions from online validation readers are transferred to the PegaSys software in real-time. The controller will support a maximum of four online validation readers, controlled via two RS485 interfaces.

Features & Benefits
- Simple installation.
- Compact structure (DIN rail installation).
- Previous network can be used.
- PoE (Power over Ethernet) or Local low voltage Power Supply.
- Data communication in real-time.
- Stand alone capability. Remains fully operational should Ethernet or a server not be available.
- Easy wiring using RS485 network cables.

Wireless access control system

PegaSys Wireless belongs to the new generation of Allegion real time access control systems. It combines the security and efficiency of both online and offline solutions in one scalable and upgradable system in adding wireless functionality to PegaSys battery powered electronic door terminals. The PegaSys wireless door terminals are connected cable free to the PegaSys wireless gateways or to the PegaSys repeaters made to extend the wireless network coverage, which interact with the central PegaSys wireless controller managing the wireless service and Ethernet plugged to the PegaSys 3000. The wireless controller can control up to 2 gateways. Each gateway can control up to 20 wireless door terminals. The PegaSys wireless router is used to enhance both the transmission range and the quality of reception. The transmission range between the different wireless components amounts to approximately 10 metres.

Features & Benefits
- Wireless fidelity 802.15.4 at 2,4GHz as per IEEE.
- AES 128-bit encryption.
- Available for Mifare Classic and DESfire.
- Optimal utilisation of radio frequencies for data transfer to PegaSys door terminals.
- Retention of the functionality in case of interrupted radio communication.
- Black list management, date and time synchronisation, battery status monitoring, access recording.
Software solutions

The PegaSys 3000 is a MS-SQL based maintenance software for all PegaSys online and offline components. Multiple site and multiple client operation, giving complete control of all aspects of the system.

PC requirements are:
- Min. 1.4GHz processor with 2GB hard drive space.
- RAM: 512MB min, 1.0GB recommended (Windows XP).
- 1.0GB min, 1.5GB recommended (Windows Vista).
- Internet Explorer 6.0 SP1 or later.

Features & Benefits
- Simple installation.
- User friendly.
- Compatible with all current Microsoft operating systems.
- Multilingual software (ENG/DE/FR/I/NL/DK).
- Online help.
- Master data import (CSV).

Installation, service and maintenance

Allegion is renowned for its provision of remarkably reliable and durable solutions. We pride ourselves on our level of technical expertise and firm commitment to supporting the customer in any way we can. Through the use of the newest findings in sustainable material technology, we not only fulfill - but also exceed - all current EN standards, legal guidelines and conventional requirements as well as many other performance criteria.

Alongside the manufacture and delivery of products that securely protect your environments, we consider the accurate installation and longevity of the system to be of the utmost importance. Our carefully chosen network of marketing and service partners ensures a high level of professional competence, from the planning of your entry controlled system through to its installation and subsequent maintenance.

Installation, service and maintenance

SCHLAGE biometric systems

SCHLAGE biometric systems

Real Security Sets You Free.™ Biometrics
Biometric readers made by SCHLAGE, Handkey for access control and Handpunch for time and attendance recording.
About Allegion

Allegion (NYSE: ALLE) creates peace of mind by pioneering safety and security. As a $2 billion provider of security solutions for homes and businesses, Allegion employs more than 7,800 people and sells products in more than 120 countries across the world. Allegion comprises 23 global brands, including strategic brands CISA® , Interflex®, LCN®, Schlage® and Von Duprin®.

For more, visit allegion.com