

SimonsVoss technologies

SMARTINTEGO

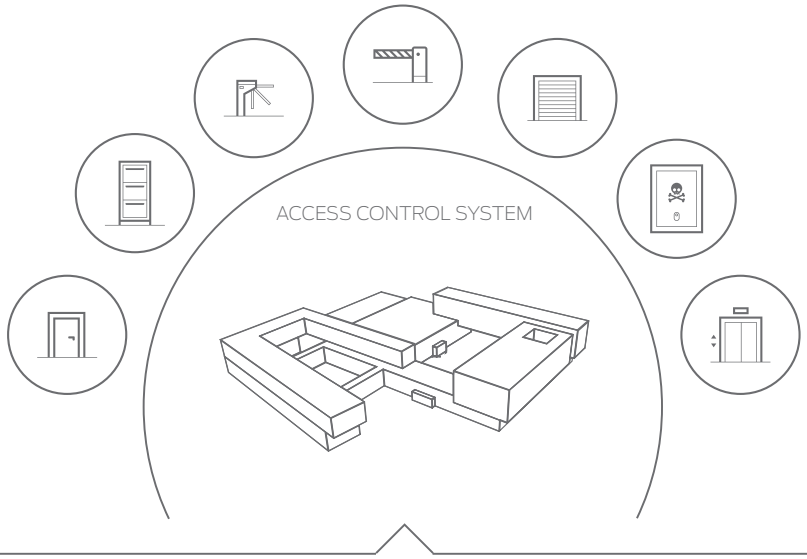
Integrating access control in building technology

PLEASE COME IN!

Open flexibly, close securely, manage effortlessly.



In terms of modern locking technology, only a digital system can satisfy these requirements. They link doors, gates and barriers to a centrally controlled system. Lost keys no longer imply security vulnerabilities. Programming makes replacing expensive keys and locking cylinders unnecessary. Individual access rights are used instead of multiple keys. This is how to deliver something which is difficult to attain: an intelligent combination between flexibility and security. Creating such an optimum quality combination and custom-made systems are the SimonsVoss trademark. Quickly and easily extended, our systems also meet highly complex requirements, even in large buildings, and are invariably cable-free in their operation. Needless to say, the entire system is made in Germany.





SmartIntego Locking Cylinder AX | SmartIntego Padlock AX | SmartIntego SmartHandle AX | SmartIntego SmartHandle AX Advanced | SmartIntego SmartLocker AX | SmartIntego PIN code | SmartIntego SREL AX Classic | SmartIntego GatewayNode

ACCESS CONTROL AS PART OF BUILDING SERVICES SYSTEMS

Digital access control systems are valued highly in security technology for buildings.



Who is allowed to be in specific parts of the building and who isn't?
How flexibly can individual access be managed?
How quickly can people and rooms be protected in an emergency?
Questions such as these pose enormous challenges for those responsible for building security. SmartIntego, the SimonsVoss solution, integrates access control into existing building services systems. Flexible, innovative and German-made.

SMART INTEGO – THE TAILORED SOLUTION FOR INTEGRATED ACCESS CONTROL

Access control with SmartIntego integrates the benefits of digital locking into complex building technology.

SmartIntego solutions are always developed in cooperation with an integration partner. This gives the integration partner the opportunity to implement its product philosophy in access control with SimonsVoss.

SimonsVoss provides its battery-powered access components for this purpose:

- The digital locking cylinder AX
- The SmartHandle AX Advanced door fitting
- The SmartHandle AX inside fitting
- The SmartLocker AX cabinet lock
- The PIN code keypad
- The padlock AX
- The Gateway that couples SimonsVoss hardware with the integrator's software
- SREL AX Classic
- Node IO

SimonsVoss SmartIntego components can be integrated into the solution without the need for an additional server or database. They are connected directly to the partner's system via the SmartIntego firmware interface. All integration partners utilise the same interface. It is constantly being developed and expanded, with SimonsVoss paying close attention to ensuring compatibility with existing integrations. End customers can choose their tailored SmartIntego solution based on their industry and specific application.

We currently have integration partners for the following areas:

- Office/administration
- Smart buildings
- Hospitals
- Nursing and retirement homes
- Perimeter surveillance
- Public transport
- Student residences
- From one to over 10,000 doors
- Connection to CCTV (video surveillance)
- Connection to time systems
- Connection to telecommunications systems
- Connection to room booking systems
- Connection to IDS (intruder detection systems)

THE INTEGRATION PARTNER

SimonsVoss remains in close contact with its integrators.



SimonsVoss attests trouble-free integration by certifying the partner, thus guaranteeing the company's high quality standards.

You can find our integration partners on the SmartIntego website under **SmartIntego – Cooperation partner.**
www.smartintego.com/int/home/smart-intego/integration-partner

HOW MUCH "ONLINE" WOULD YOU LIKE?

SmartIntego solutions may generally be operated as a virtual (SVCN/OSS SO) or an online network (WO). All solutions may also be operated in parallel within a single system.



WIRELESS ONLINE – THE ONLINE NETWORK

The integrator software and all locking devices are linked wirelessly – essential for data exchange in real time. Can also be used in a mix with its Virtual Card Network.

ADVANTAGES

// Real-time communication with the locking device

// Online applications

// 2-factor opening (PIN and card)

// Real time DoorMonitoring (door status display)

// Direct connection to other systems, such as video surveillance, intruder detection systems, and telecommunications systems

// Live access list in the integrator system

// Live status of locking devices (wireless signal/ connection monitoring, battery status)

// Security: immediate disabling of lost cards

// Backup function in the form of a locking device-specific white list

// Use of a PIN code keypad

// Use of one input contact and several outputs on one battery-supported component (Node.IO)

// Encrypted and wireless communication to the locking devices via 868 MHz

// Integration into existing IT infrastructure possible

In the **online network, DoorMonitoring** optionally displays the status of each door, making it possible to manage critical areas efficiently.

Whether VirtualCard Network or WirelessOnline, both variants offer the following functions:

- A management system in the background
- Just one single card for many user applications
- The locking components have a standardised design
- The user can operate all components in the same way
- Functions on the door: Open door, deny access, office mode, schedules. A card for disabled people offering longer access times, an emergency access card for the fire brigade, and access lists with an escape and return function (time-controlled)



VIRTUAL CARD NETWORK – THE VIRTUAL NETWORK

In a virtual network, data is exchanged on update terminals installed in the entrance area. Access authorisations are transferred to cards via them.

ADVANTAGES

// Cost-effective installation on all doors (no network infrastructure necessary)

// Locking devices can be operated wirelessly. Changes to authorisations are generally made using the integrator's update readers

// Space-saving card template

// The locking device has a fast reading response and ensures secure transactions when writing

// Access list on integrator system via card

// System events on integrator system via card (battery status of locking device)

// Security: lost cards disabled using the blacklist function and expiry date on the cards. Lost card is "destroyed" when detected/activated for the first time after blocking

// The system supports cards with differing functions/ configurations, e.g., access cards, separate blacklist distribution cards, emergency cards, and upstream cards for gathering locking information

// Combinations of functions possible on one credential



OSS SO – OPEN SECURITY STANDARD, STANDARD OFFLINE

In an OSS SO installation, data exchange is performed via update terminals, which are e.g., installed in the entrance area. These transfer access authorisations to cards.

ADVANTAGES

// Cost-effective installation on all doors (no network infrastructure necessary)

// The locking devices may be utilised wirelessly. Changes to authorisations are usually performed via the integrator's update reader

// Security: Blacklisting support

// Checking the battery level

// OSS compliant

OSS
STANDARD OFFLINE

DIGITAL LOCKING CYLINDER AX SMART INTEGO

High quality. Durable. Future-proof.

The Digital Cylinder AX is the most powerful cylinder we have ever had. It is also the most user-friendly: An ergonomic yet compact thumb-turn with optical and audible signals makes operation easier.
We have also given priority to high-quality materials. This ensures that the AX Cylinder is robust and durable with very low operating costs at all times.

These are the highlights of Digital Cylinder AX – SmartIntego:

- No wiring or drilling. Extremely fast, uncomplicated installation without the use of special tools.
- Equipped with core and profile drilling protection as standard.
- Flexible thanks to modular design: The Cylinder AX can be quickly and efficiently adapted to any door thickness thanks to individually adjustable cylinder lengths.
- Highest data security: The Secure Element stores the encrypted system data and forms part of the new AX security architecture. This special chip is an integral part of authentication and cannot be read from the outside.
- Extremely long battery life: up to 9 years on standby or 100,000 activations (standard)
- Protected against weather influences and the ingress of dust and water up to ingress protection class IP 67.



DIGITAL SMART HANDLE AX SMART INTEGO

Next Keyless Generation: The intelligent fitting for interior doors

Thanks to its modular design and the wealth of variants and innovative functions, SmartIntego SmartHandle AX brings a new level of intelligence, convenience and security to doors.

- Provide a flexible response to any situation on site: SmartHandle AX can be adapted to the spindle, door thickness and centres distance. The handle itself can be mounted on the left or right. Suitable for metal frame doors and mounting on oval escutcheons. Can be combined with a panic bar.
- Exceptionally long battery life (up to 100,000 operations in wireless online mode or up to 9 years in standby mode).
- Can be combined with standard handles from well-known manufacturers.
- Also available in a variant with access control on both sides.
- Maximum data security thanks to the integrated Secure Element.
- Operational safety thanks to mechanical and electronic stability. The 1 million-cycle endurance test was successful.



DIGITAL SMART HANDLE AX ADVANCED SMART INTEGO

Security for exterior doors in all weathers

The SmartHandle AX Advanced is particularly suited to external doors, burglar-resistant doors and escape routes.

- Provide a flexible response to any situation on site: SmartHandle AX Advanced can be adapted to the spindle, door thickness and centres distance. The handle itself can be mounted on the left or right.
- Protected against extreme weather influences and ingress of dust and water up to ingress protection rating IP66.
- Operational reliability is decisive. That's why we have invested in mechanical and electronic quality and stability with the AX fitting. The 1 million-cycle endurance test was successful.
- Optimal solution for your installation situation: Quickly installed without additional drilling into solid-core and metal frame doors (DIN 18251), including optional mechanical secondary locking device, and combinable with a panic bar.
- Battery life in wireless online operation: Up to 100,000 activations or up to 9 years on standby.
- Timeless design: High-grade brushed stainless steel cover that can be combined with a variety of elegant handles, including those from well-known manufacturers (e.g. FSB).
- Optimum data security thanks to the integrated Secure Element.



DIGITAL SMART HANDLE SMART INTEGO

The classic model with integrated door monitoring

:: **Wide range of variants**
They are available with different SimonsVoss handle variants and cover widths to suit the application and area of use. Available with various profiles.

:: **Wireless online door monitoring**
DoorMonitoring can be incorporated to monitor the status of rooms with restricted access.

:: **Increased protection against burglary**
SmartHandle conclusively demonstrates its intelligence in doors used by many persons and different visitor groups. As the electronics are located on the inner side of the door, SmartHandle offers exceptional resistance to break-ins.



DIGITAL SMART HANDLE SMART INTEGO

Intelligent door monitoring

In its DoorMonitoring design, SmartIntego SmartHandle becomes one of the most compact door monitoring systems in the world. Three integrated sensors – in the fastening screw, the deadbolt contact and the internal handle – check the door status and forward it to the access control system in real time. Security-critical information such as “Door open” (01) or “Door closed” (02) or “Door lock locked” (03) or “not locked” thus reliably reach the control centre.

Even exceeded time limits (04) for an open door or a forced break-in are detected and reported. The double locking in the locking device satisfy insurance requirements completely. As with all SmartIntego SmartHandles, the DoorMonitoring version can be installed in minutes without any drilling or wiring to the door.





GATEWAY NODE SMART INTEGO

Seamlessly integrates peripherals and software

The GatewayNode ensures perfect connection from SmartIntego components to the central control system for building security. The GatewayNode acts as an intermediary between the locking components' intelligence and the access control software, thereby ensuring they work together smoothly.

Thanks to its unique range of properties, the radio-based GatewayNode, which has an RS485 or TCP/IP interface and PoE 802.3af support, is an exceptionally powerful access manager.

Each GatewayNode is able to transmit data between the integrator system and the locking device in real time. In addition to its online functionality, each locking device can also receive up to 250 local authorisations in advance via the GatewayNode.

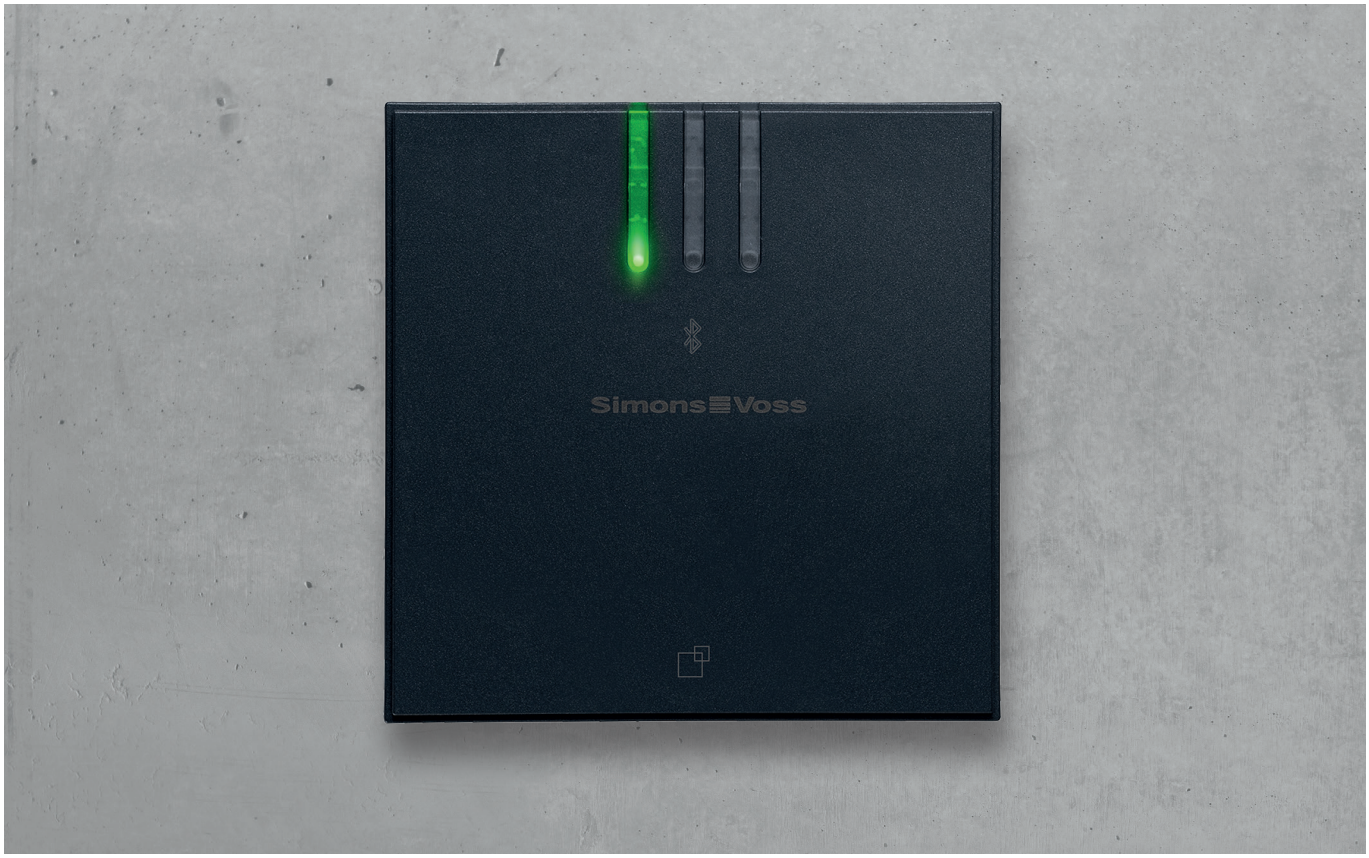


SREL AX CLASSIC SMART INTEGO

A modular unit consisting of controller and reader

The SmartRelay AX Classic consists of a controller and a reader and supports passive RFID credentials and optional BLE. It is used to open electrically operated doors, gates and barriers, as well as to switch on lights, heating and machines.

The SREL AX Classic is optionally available with Locknode for integration into SmartIntego Wireless Online networks. The robust and scratch-resistant reader enclosure is available in glass fibre reinforced plastic. Available with an additional anti-vandalism frame up to IK9 class. Can also be easily fitted on flush-mounted boxes.



DIGITAL CABINET LOCK SMART LOCKER AX SMART INTEGO

Security and comfort do not stop at the office door.

With SmartLocker AX, SimonsVoss offers its first system for cupboards and lockers. The SmartLocker AX offers maximum flexibility, fits on locker or cabinet doors without drilling, and can be installed quickly and easily using the SimonsVoss Quick-Click system. No matter if in industrial manufacturing environments, hospitals or simply in lockers at gyms, swimming pools or schools.

SmartLocker AX combines simple and intuitive installation, maintenance and access management with the latest future-proof technology and user-friendly opening and closing. The SmartLocker AX is SimonsVoss's locker lock product.



DIGITAL PIN CODE TERMINAL SMART INTEGO

Security times two: PIN code plus card.

Know-how is one of the key factors in ensuring success for every company. That is why knowledge is often protected in high-security areas in the same way as valuable possessions. In such instances, the digital SmartIntego PIN code terminal ensures maximum security: Access is only permitted when the SmartCard is authorised on the cylinder or fitting and a PIN code is also entered. In addition to the dual control principle, our digital PIN code terminal can also be used very flexibly to activate alarm systems, open barriers, etc.

The ultra-slim PIN code terminal is made of silver-coloured ABS plastic and can be mounted indoors or outdoors without any wiring. It can be surface-mounted – optionally also on glass. Batteries last for up to 50,000 activations or up to ten years on standby. Honoured with the IF Product Design Award, the exceptional SmartIntego digital PIN code terminal functions reliably within a temperature range of - 25 °C to + 65°C.



EIGHT COMPELLING REASONS:

Why SmartIntego has special appeal for operators of complex building systems.

1 Supports all major ID card types
MIFARE® Classic, MIFARE® DESFire® / EV1/EV2/EV3, UID (card serial number) according to ISO 14443 (e.g., MIFARE®, Legic® Advant, HID® SEOS)

2 Made in Germany
All system components developed and manufactured to the highest quality standards in Germany.

3 Reduced integration effort
SmartIntego Manager features powerful communication protocols and a high degree of automation, which substantially reduces the integration effort.

4 Always optimally networked – even virtually
In Virtual Card Network mode, the exchange of security-critical information between the access system and the SmartIntego locking media is guaranteed for every locking operation.

5 Unparalleled wireless technology
Greater radio network range thanks to 868 MHz technology; this means no interference with other networks (e.g., WLAN, Bluetooth, etc. in the 2.4 GHz range).

6 Flawless performance
The SmartIntego locking cylinder and SmartIntego SmartHandle have two integrated batteries and can perform up to 80,000 activations or operate in wireless online mode for up to 5 years. Alternatively, they can perform up to 50,000 activations or operate in standby mode for up to 6 years in the Virtual Card Network. This means years of operation without changing the battery. With its four batteries, the SmartHandle AX can operate wirelessly online for up to 100,000 activations and up to 9 years in standby mode. The new Digital Cylinder AX boasts an impressive standby time of up to 10 years.

7 A wide range of models to meet all needs
Our SmartHandle is available in Europrofil, SwissRound and Scandinavian Oval designs. The digital locking cylinder is also available in Scandinavian Round design.

8 Perfect in every detail
Good can also be visually appealing: The SmartIntego locking cylinders and the SmartIntego SmartHandles have won numerous prestigious design awards.

FILM – ACTION!

SmartIntego quickly and easily understands what matters.











Watch the video to see how SmartIntego makes it possible for you to integrate door opening. Simply scan the QR code.



This is SimonsVoss

SimonsVoss, the pioneer in remote-controlled, cable-free locking technology provides system solutions with a wide range of products for SOHOs, SMEs, major companies and public institutions. SimonsVoss locking systems combine intelligent functionality, high quality and award-winning design Made in Germany. As an innovative system provider, SimonsVoss focuses on scalable systems, high security, reliable components, powerful software and simple operation. As such, SimonsVoss is regarded as a technology leader in digital locking systems. Our commercial success lies in the courage to innovate, sustainable thinking and action, and heartfelt appreciation of employees and partners.

SimonsVoss is a company in the ALLEGION Group, a globally active network in the security sector. Allegion is represented in around 130 countries worldwide (www.allegion.com).

Made in Germany
SimonsVoss is truly committed to Germany as a manufacturing location: all products are developed and produced exclusively in Germany.

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