



SMART
INTEGO

DIGITAL ACCESS MANAGEMENT
IN BUILDING SYSTEMS

SmartIntego –
the perfect solution for
integrated access control.

Simons  **Voss**
technologies

Systems for building security

The whole is only ever as good as the sum of its parts.

Among all technologies used in buildings, security technology plays a particularly important role.

This is because systems for fire and intruder alarms, video surveillance and access control contribute enormously towards people's security and safety. To reduce the complexity of security technology while increasing their effectiveness, amalgamation of different systems are on the increase, operating within a TSP/IP based network. The more powerful a system is, the more effectively it can be incorporated into a network and the better the overall solution is.

In normal situations or in the event of a fire, break-in or another emergency, a security system's efficiency ultimately depends on the stability and intelligence of its locking and access components. That is why SimonsVoss is setting new standards in building security with SmartIntego, the perfect solution for integrated access control.



SmartIntego

The perfect solution for integrated access control.

SmartIntego Locking Cylinder, SmartHandle and GatewayNode – SmartIntego components can be seamlessly integrated into complex security systems.

With its high-performance communication protocols, SmartIntego can be seamlessly incorporated into existing control systems for building security technology. System component auto-configuration in SmartIntego

Manager ensures that there is minimal effort involved in component integration compared to other systems.

The scope of services and features match high expectations, which building operators have of innovation leaders for digital locking and access control systems. One advantage of the system is its 868-MHz technology, which ensures wide, interference free ranges across the radio network.

The SmartIntego product line consisting of locking cylinders and SmartHandles can accommodate the transmission standards in all standard card formats such as MIFARE® Classic, MIFARE® Plus, MIFARE® DESFire/EV1 and UID as per ISO 14443 for MIFARE®, Legic Advant and HID® iClass.

In SmartIntego, SimonsVoss offers a solution with components which have proven their worth a thousand times over in practical use. These components excel thanks to their German quality and innovative design. Unique functions also ensure optimum security for people, fast return on investment and a solution for the future.



Ideally networked offline too

The electronics and intelligence in locking cylinders and SmartHandles are state-of-the-art. Fittings and cylinders are also able to communicate with the Access Control Panel in offline mode using the ID card identification medium. Not only can cards be read, but they can also be written on. This allows data transfer between the access system and SmartIntego locking media to forward key security-relevant information such as access rights, blacklists, battery status and physical access lists for each locking procedure.

SmartIntego
GatewayNode

SmartIntego
Locking Cylinder

SmartIntego
SmartHandle



SmartIntego Digital Locking Cylinder

Multifunctional and easy to install, even as a retrofit.

The SimonsVoss SmartIntego Digital Locking Cylinder provides optimum performance exactly as required at each point throughout the building – in entrance areas and interiors or on doors to a guest room, hallway, laboratory, archive, server room or basement. Its intelligent internal components and wide range of different designs, such as those for anti-panic and fire doors, provide precisely matched solutions for virtually any application.

In addition to a high security standard and remarkable flexibility, the SmartIntego Digital Locking Cylinder is also extremely easy to fit.

The cylinder is installed in minutes with no need for wiring or drilling. Commercially available button cell batteries reliably ensure up to 80,000 locking operations in an online network. An average battery life of five years can be expected in standby mode. In other words, like other SmartIntego components, the locking cylinder is maintenance free for many years.

The digital locking cylinder matches its surroundings with a striking, timeless design available in different versions, such as Euro Profile, Scandinavian Round or Oval, and Swiss Round.



SmartIntego Digital SmartHandle

Exceptional design. Excellent technology.

Architects, planners and designers all agree: the SimonsVoss digital door fitting is one of the leading solutions in terms of technology and aesthetics. Its balanced form impresses even the most demanding decision makers around the world.

In developing the wireless SmartIntego fitting, it was essential for SimonsVoss to also focus on its special advantages for buildings with many users. SmartHandle uses a contactless system to communicate with identification media via the card reader integrated into the fitting.

It has an average battery life of five years and, like the cylinder, is maintenance free in online mode for up to 80,000 locking operations for many years.

Another distinctive feature is the innovative snap-in installation. This simple installation process can be carried out on doors up to 100 mm thick without any need to drill additional holes. Honoured with the red dot design award, SmartHandle is an obvious choice wherever timeless elegance and a stylish ambience are required thanks to its range of versions – Euro Profile, Scandinavian Oval and Swiss Round.



SmartIntego GatewayNode

Seamlessly integrated. No ifs, no buts.

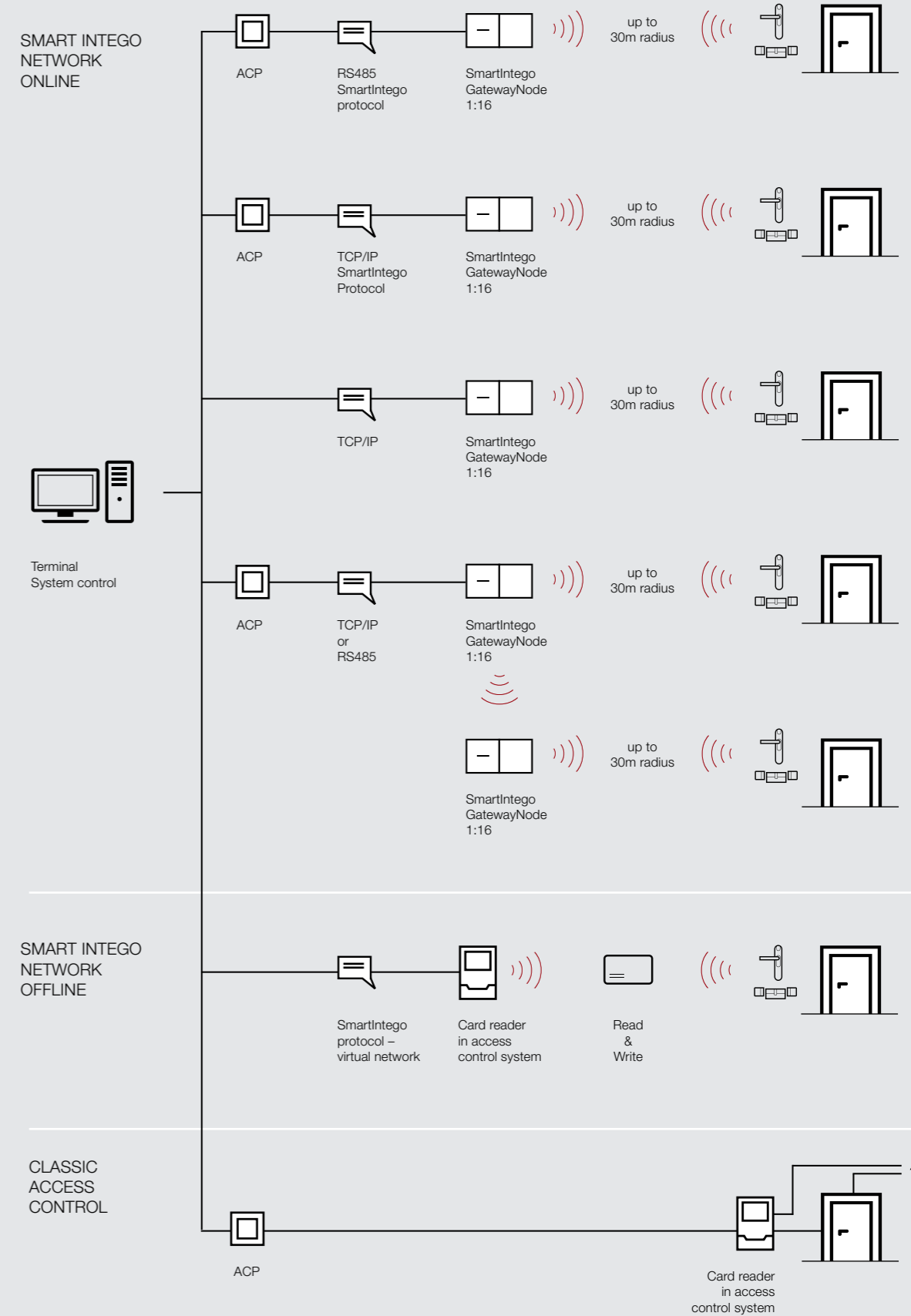
The GatewayNode ensures perfect connection between the SmartIntego locking cylinder or SmartHandle and the central building security control system. As an intermediary device between the intelligence in cylinders and door fittings on the one hand and the access control system on the other, the GatewayNode ensures seamless communication between peripheral devices and the software.

A series of unique characteristics transform the radio-based GatewayNode with a RS485 or TCP/IP interface (PoE 802.3af) into an exceptionally powerful access manager. Each GatewayNode is capable of handling up to 16 locking devices via an 868 MHz wireless connection. Thanks to its highly engineered internal components, it is able to transmit so-called white lists with up to 250 entries from the access control system to the individual locking devices as required and keep them up to date in the devices. This ensures optimum flexibility, even in offline mode.



SmartIntego network structure

A perfect match anywhere and everywhere.



SmartIntego

Eight reasons why SmartIntego has special appeal for system integrators and operators of complex building systems:

1. Components successful worldwide

More than 10,000 SimonsVoss digital locking access control systems, with over 1 million locking devices impress with their precision and reliability in tough, practical use.

2. Made in Germany

All system components are developed and produced to the highest standards exclusively in Germany.

3. Minimal effort involved for integration

Optimised communication protocols with a high degree of automation thanks to SmartIntego Manager with minimal effort required to integrate SmartIntego comprehensively.

4. Optimally networked at all times – also virtually

The exchange of security-relevant information between the access system and SmartIntego locking media is guaranteed for each locking activity in offline mode.

5. Unique wireless technology

Wider ranges in the wireless network due to 868-MHz technology ensures no unwanted interference from other networks, such as WLAN and Bluetooth in the 2.4 GHz range.

6. Flawless performance

With their two integrated batteries, the SmartIntego locking cylinder and the SmartIntego SmartHandle provide up to 80,000 locking activations in online mode and up to 50,000 when offline and virtually networked. This ensures years of operation without the necessity to replace batteries.

7. Range of versions for every type of use

Digital SmartHandle is available in Euro Profile, Swiss Round and Scandinavian Oval versions. There is also a Scandinavian Round version of the digital locking cylinder.

8. Perfect in form to the very last detail

Anything which is efficient and useful should also be as visually inspiring. The SmartIntego locking cylinder and the SmartIntego SmartHandle have been honoured with many design awards.



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UK-2014-08

SIMONS VOSS
TECHNOLOGIES GMBH
Feringastrasse 4
85774 Unterföhring
Germany
Tel. +49 89 992 280
Fax+49 89 992 282 22
info@simons-voss.com

www.simons-voss.com

UNITED KINGDOM
SIMONS VOSS TECHNOLOGIES LTD
1200 Century Way
Thorpe Park, Colton
Leeds LS15 8ZA
Tel. +44 113 2 51 50 36
Fax +44 113 2 51 53 60
uk@simons-voss.com

